

**EAST RIVER PLAZA  
MANHATTAN, NEW YORK**

**SITE MANAGEMENT PERIODIC REVIEW REPORT  
MAY 14, 2012 THROUGH MAY 14, 2015**

**NYSDEC BCP Number: C231045**

**Prepared for:**

**Tiago Holdings, LLC  
Tiago Parking Holdings, LLC  
Tiago Development, LLC  
300 Robbins Lane, Syosset, New York**

**Prepared by:**

***FPM*group™**

**909 MARCONI AVENUE  
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**JUNE 2015**

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## LIST OF ACRONYMS

<b>Acronym</b>	<b>Definition</b>
ASP	Analytical Services Protocol
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
CAMP	Community Air Monitoring Program
COC	Certification of Completion
CoC	chain-of-custody
ECs/ICs	Engineering and Institutional Controls
ELAP	Environmental Laboratory Approval Program
FEMA	Federal Emergency Management Agency
FER	Final Engineering Report
FPM	FPM Group, Ltd.
HASP	Health and Safety Plan
MS/MSD	Matrix spike/matrix spike duplicate
MSL	mean sea level
NYCDEP	New York City Department of Environmental Protection
NYCRR	New York Code of Rules and Regulations
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PE	Professional Engineer
PID	Photoionization detector
PRR	Periodic Review Report
QA/QC	Quality Assurance/Quality Control
RCA	Recycled concrete aggregate
SCOs	Site-specific Cleanup Objectives
SMP	Site Management Plan
SoMP	Soil Management Plan
SPDES	State Pollutant Discharge Elimination System
SVOCs	semivolatile organic compounds
TAL	Target Analyte List
TCL	Target Compound List
ug/l	micrograms per liter
USEPA	United States Environmental Protection Agency
USGS	United States Geologic Survey
USTs	Underground Storage Tanks
VOCs	volatile organic compounds

## **SECTION 1.0 INTRODUCTION AND SITE OVERVIEW**

### **1.1 INTRODUCTION**

This Site Management Periodic Review Report (PRR) was prepared to document ongoing site management activities at East River Plaza (Site) conducted between May 14, 2012 and May 14, 2015 under the New York State (NYS) Brownfield Cleanup Program (BCP) administered by New York State Department of Environmental Conservation (NYSDEC). The Site was remediated in accordance with the Brownfield Cleanup Agreement (BCA) Index# W2-1068-05-06, Site No. C231045, issued on June 15, 2005. The remedial activities were documented in the Final Engineering Report (FER) in December 2007 and the Certificate of Completion (COC) was issued on December 28, 2007.

Site management activities have been ongoing in accordance with the Site Management Plan (SMP) since the completion of remedial activities in November/December 2006. A revision of the groundwater monitoring procedures in the SMP was requested by the NYSDEC in 2009 to incorporate the US Environmental Protection Agency (USEPA) low-flow sampling methodology to reduce sample turbidity so as to better evaluate metals concentrations in groundwater. These revised procedures have been used since late 2009. The pertinent portions of the SMP were revised in August 2009 and the NYSDEC approved the revisions in September 2009. The groundwater monitoring program was terminated in 2011, as approved by the NYSDEC in 2011 (June 29, 2011 correspondence). The pertinent portions of the SMP were revised in July 2011 and the NYSDEC approved the revisions in August 2011 (August 18, 2011 correspondence). Site management activities for the reporting period are summarized herein in accordance with guidelines provided by the NYSDEC in an March 27, 2015 correspondence (45-day reminder notice).

### **1.2 PRR EXECUTIVE SUMMARY**

The findings in this PRR are summarized as follows:

- The Site was a former wire manufacturing facility. Soil impacted with petroleum and/or metals was present onsite. Limited groundwater impacts were also present.
- Remediation was completed in 2006 and included removal of all soil exceeding Track 4 Site-specific Cleanup Objectives (SCOs).
- Residual soil remained present following remediation and was covered by an approved gravel cover prior to the NYSDEC's issuance of the COC in December

2007. This gravel cover has been replaced by a cover consisting of pavement and/or concrete slabs at the lowest level of the building.

- Engineering and Institutional Controls (ECs/ICs) are present, including a composite cover system, a vapor barrier, and an environmental easement that restricts Site usage to commercial and restricted residential (above the first floor).
- Groundwater monitoring was performed to evaluate the effectiveness of the remedy. Revisions to the SMP were approved by the NYSDEC in 2009 to incorporate low-flow groundwater sampling procedures. This change was implemented in the 3<sup>rd</sup> quarter of 2009 and generally resulted in lower turbidity samples for all of the Site wells. The groundwater monitoring program was terminated in 2011, as approved by the NYSDEC in June 2011. The final groundwater monitoring performed in March 2011 continued to confirm that the remedy has been effective at eliminating Site-related impacts to groundwater quality.
- Management of residual materials is governed by the SMP. No residual materials required management during the reporting period as there were no activities that impacted the cover system or vapor barrier.

➤ Effectiveness of Remedial Program

- The remedial program is effective, as evidenced by the continued improvement in downgradient groundwater quality observed in previous groundwater monitoring events.
- The final cover and vapor barrier remained in place throughout the reporting period and are effective at protecting the public from residual soil.

➤ Compliance

- All aspects of the Site are in compliance with the elements of the SMP.

➤ Recommendation

- No changes to the currently-approved monitoring or O & M activities are recommended.

### **1.3 SITE OVERVIEW**

Tiago Holdings, LLC, Tiago Parking Holdings, LLC and Tiago Development, LLC (collectively Tiago) entered into a BCA with the NYSDEC for a 4.5-acre property located in a mixed commercial and residential area of East Harlem, Manhattan, New York. This BCA required Tiago to investigate and remediate contaminated media at the Site, which would be

performed during redevelopment of the Site for commercial and residential use. A map of the Site location is shown in Figure 1.3.1; the Site boundary is shown overlain on an historic aerial view prior to redevelopment in Figure 1.3.2. The Site boundary is described in detail in the Environmental Easement, a copy of which is included in Appendix A.

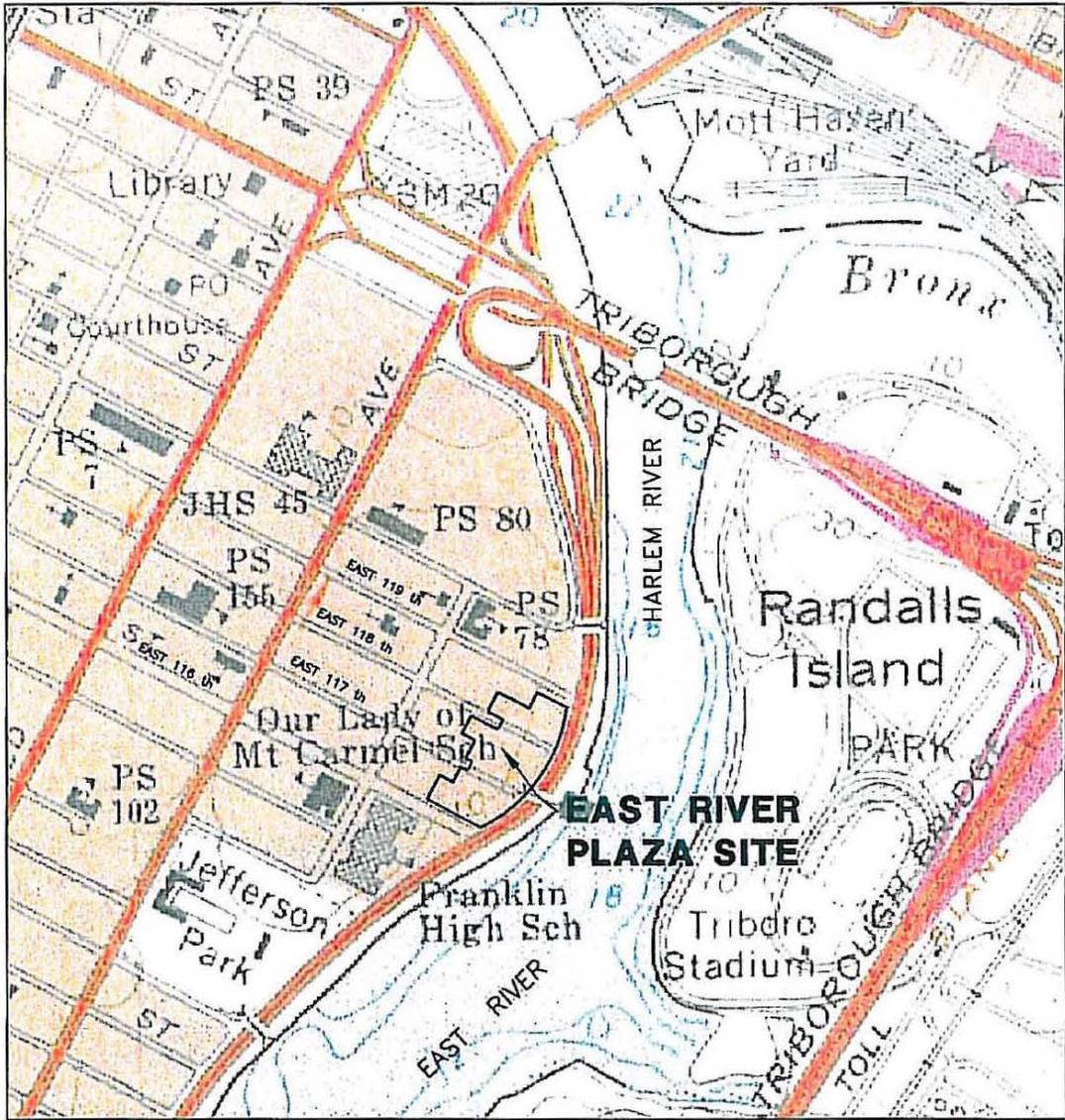
The Site was initially developed prior to 1896 and was occupied by the Washburn Wire Company, which engaged in manufacturing of wire up until its closure in the 1980s. The Site was abandoned from the 1980s until remedial activities commenced in 2005. Prior to remediation, the parcels comprising the Site were purchased by Tiago, which is the current owner of the Site and the BCP Volunteer Applicant.

Investigations of the Site showed an area of petroleum-contaminated soil was present on the east side of the Site associated with former subsurface concrete vaults containing heating oil tanks. Floating product was also formerly present in this area. An area of metal-contaminated soil was identified on the east side of the Site in an area where acid tanks were formerly present. Each of these areas was addressed during the remedial action.

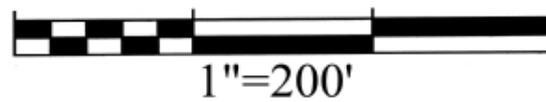
The topographic elevation of the Site, prior to remediation, was generally between 7 and 12 feet above mean sea level (MSL) and had been previously significantly modified from its original grade by placement of fill, presumably in conjunction with historic development. The remedial action removed the majority of the fill, lowering most of the Site to an elevation of approximately one foot above the existing water table. Groundwater at the Site is found at a depth of approximately 10 feet below the pre-redevelopment grade and flows to the southeast, toward the Harlem River.

The Site was remediated in accordance with the September 2005 NYSDEC-approved Remedial Work Plan. The remedial actions included excavation and disposal of soil, placement of a cover over residual soil, installation of a vapor barrier, and groundwater and soil vapor monitoring. Soil removal was conducted to the targeted depth in all areas of the Site. Remedial excavation work was completed on November 14, 2006. Subsequent soil excavation work performed for construction purposes was conducted using NYSDEC-approved soil management procedures.

Dewatering was routinely performed at the Site during remediation to allow access to submerged infrastructure to be removed for Site redevelopment. Stormwater accumulations were also removed as necessary. All removed fluids were discharged to the New York City combined sewer system in accordance with a NYCDEP sewer discharge permit.



<b>FPM GROUP</b>		
FIGURE 1.3.1 SITE LOCATION EAST RIVER PLAZA SITE NEW YORK, N.Y.		
Drawn By: H.C.	Checked By: S.D.	Date: 4/28/10



4-16-05

**Figure 1.3.2**

The post-remediation samples confirmed that the remaining soil does not exceed the Track 4 SCOs. The remaining contaminated soil (residual soil) following remedial work was found generally at or below the water table and was covered by cover materials at the end of remedial activities. The cover materials at that time consisted of at least one foot of cover gravel underlain by a demarcation layer of Mirafi fabric. These cover materials have been replaced by a final cover during the ongoing redevelopment activities, as documented herein. The final cover was completed in 2009.

ECs and ICs have been implemented to protect public health and the environment from residual materials. There are two ECs: (1) a composite cover system consisting of asphalt and/or concrete pavement, concrete building slabs and walls, and/or one foot of gravel meeting the cover requirements in 6 NYCRR Part 375; and (2) vapor barrier materials consisting of a water-tight basement slab and wall sealing system. The composite cover system underwent modification during Site development. This modification included replacement of the cover gravel and Mirafi fabric demarcation layer with the asphalt and/or concrete pavement and concrete building slabs and walls.

A Soil Management Plan (SoMP) is included in the SMP for this Site. No soil management activities occurred during the reporting period as there were no activities beneath the cover system in this period.

The sub-grade portions of the Site building have been provided with a vapor barrier and seal system for waterproofing purposes during the development phase of this project; the vapor barrier was completed in 2009.

ICs are in place so as to implement, maintain, and monitor these ECs. The Site has ICs in the form of Site restrictions. Adherence to these ICs is required under the Environmental Easement, a copy of which is included in Appendix A. The ICs are discussed in detail in Section 2 of this PRR.

#### **1.4 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS**

The remedy has been implemented in compliance with the Site-specific Remedial Work Plan and FER and continues to be managed in compliance with the SMP. This remedy continues to perform effectively and protect the public from the remaining residual materials at the Site.

Throughout the reporting period, the complete final cover system of asphalt and/or concrete pavement and concrete slabs and walls was present and in good condition in compliance with the SMP. The vapor barrier system was completed in 2009 in conjunction with the

installation of the final cover system. The vapor barrier is confirmed to be in compliance with the SMP. The cover and vapor barrier systems are effective and protect the public from exposure to residual materials at the Site.

The approved Site usage is commercial and restricted residential (residential use above the first floor). The first commercial tenant occupancy occurred in November 2009 and commercial tenants have occupied the Site throughout the reporting period. No residential use occurred during the reporting period. The Site development and usage are consistent with these approved uses. These use restrictions are effective at protecting the public from residual materials that remain onsite.

Groundwater monitoring was not conducted during the reporting period as the NYSDEC approved the termination of the groundwater monitoring program in June 2011. Inspection and maintenance of the groundwater monitoring wells was conducted as necessary. Previous groundwater monitoring has demonstrated that the remedy has been effective in achieving the remedial goal of improving and protecting groundwater quality.

## **SECTION 2.0**

### **ENGINEERING AND INSTITUTIONAL CONTROLS COMPLIANCE**

Remedial activities were completed at the Site in November/December 2006 and included excavation and removal of soils exceeding Track 4 Soil Cleanup Objectives (SCOs). ECs and ICs were then implemented to control human exposure to residual materials such that the Site would be suitable for commercial and restricted residential use. A summary of the EC/ICs implemented at the Site are as follows:

- Maintenance of an engineered composite cover consisting of asphalt and/or concrete pavement, concrete building slabs, and/or one foot of gravel meeting the cover requirements in 6 NYCRR Part 375 to prevent human exposure to residual contaminated soils remaining under the Site;
- Recording of an Environmental Easement, including ICs, to prevent future exposure to any contamination remaining at the Site;
- Installation of vapor barrier materials consisting of a water-tight basement slab and wall sealing system; and
- A Soil Management Plan (SoMP) with procedures to manage residual materials that may be disturbed during intrusive work beneath the cover materials.

Monitoring of the ECs and ICs was performed during 2012, 2013, and 2014 and the results are documented below. Certification of the ICs and ECs is presented at the end of this section.

#### **2.1 ENGINEERING CONTROL COMPONENTS**

##### **2.1.1 Composite Cover System**

Exposure to residual contaminated soil is prevented by an engineered composite cover system comprised of asphalt and/or concrete pavement, concrete-covered sidewalks, concrete building slabs, and/or one foot of gravel meeting the cover requirements in 6 NYCRR Part 375. Performance of the cover system EC is monitored by inspection.

The final cover elements (pavement and building slabs) remained in place over the entire Site throughout the reporting period. A Site plan showing the cover system that was in place throughout the reporting period is presented in Appendix B. The completed cover system checklists for the reporting period is also included in Appendix B. FPM has no recommendations for changes in this EC.

### **2.1.2 Vapor Barrier System**

The sub-grade portions of the building (slab and foundation walls) were provided with a barrier and seal system for waterproofing purposes during the Site construction. This barrier and seal system also functions as a vapor barrier. The barrier and seal system includes a water-tight basement slab and wall system designed with a positive side waterproofing membrane beneath the slab, pile caps, and elevator pits using a sheet membrane waterproofing material. The foundation walls were also waterproofed using a similar sheet membrane waterproofing material applicable for walls. Penetrations through the slab and/or wall for pipes and duct banks were sealed in accordance with approved manufacturer's details.

The waterproofing materials were installed in association with each building foundation and cover element as it was constructed. The performance of the vapor barrier system EC is monitored by inspection. FPM conducted a vapor barrier system inspection in 2012, 2013, and 2014; the results are documented on the completed checklists in Appendix B. The vapor barrier system remained in place and undisturbed throughout the reporting period. No issues were identified with the completed vapor barrier system and FPM has no recommendations for changes to this EC.

## **2.2 INSTITUTIONAL CONTROLS COMPONENTS**

ICs are required at this Site to: (1) implement, maintain and monitor EC systems; (2) prevent future exposure to residual contamination by controlling disturbances of the subsurface contamination; and, (3) restrict the use of the Site to commercial and restricted residential uses only. Adherence to these ICs on the Site is required under the Environmental Easement recorded with the Office of the City Register of New York, City of New York on December 24, 2007. A copy of the recorded Environmental Easement is included in Appendix A. Implementation, maintenance, and monitoring of the EC systems were discussed in Section 2.1 above. Management of residual materials and restrictions on Site usage are discussed below.

### **2.2.1 Management of Residual Materials**

An SoMP is included in the approved SMP; intrusive work that will disturb the residual materials is performed in compliance with the SoMP. No intrusive work was performed during the reporting period and, therefore, no management of residual materials was required.

The SoMP should continue to be implemented at the Site whenever residual soil is managed. The SoMP procedures are effective at controlling public exposure to residual soil. FPM has no recommendations for changes to the SoMP.

### **2.2.2 Restrictions on Site Usage**

The Site usage is restricted to commercial and restricted residential (restricted residential above the first floor only) uses. Confirmation of Site usage is provided by inspection. Notification of restrictions on Site usage is also provided by statements required in the property deed, instruments of conveyance, leases, licenses, and other instruments granting rights to use the Site.

Confirmation of Site usage is documented in the Site-wide inspection checklists, a copy of which is included in Appendix B. It should be noted that the first tenant occupancy occurred in November 2009. Other tenant spaces were occupied during 2010 and commercial usage continued during the reporting period. All usage is commercial in conformance with approved Site usage. No deficiencies are noted and FPM has no recommendations for changes in Site usage or confirmation procedures.

Notification of restrictions on Site usage is provided in various conveyance and lease/license documents. Tiago, the Site owner, has confirmed that each of the Site conveyance and lease/license documents prepared since the Site COC was issued contains the necessary language. This confirmation is included in Appendix B. No deficiencies are reported and FPM has no recommendations for changes to these notifications.

### **2.3 EC/IC CERTIFICATION**

The EC/IC Certification Form provided by the NYSDEC in its March 27, 2015 correspondence has been completed in accordance with the associated certification instructions. The completed certification form is included in Appendix B.

## **SECTION 3.0 MONITORING PLAN COMPLIANCE**

The monitoring plan for the Site includes measures for evaluating the performance and effectiveness of the implemented ECs (cover system, vapor barrier) in reducing or mitigating contamination at the Site and are documented below. Direct monitoring of the ECs is performed by inspection and is documented in Section 2 of this PRR.

### **3.1 GROUNDWATER MONITORING**

Groundwater monitoring was not conducted during the reporting period as the NYSDEC approved the termination of the groundwater monitoring program in June 2011. Inspection and maintenance of the groundwater monitoring wells was conducted as necessary. This work is documented in the following sections.

#### **3.1.1 Groundwater Monitoring System Components**

The network of monitoring wells (M-8 through M-14, shown on Figure 3.1.1) was designed to monitor both upgradient and downgradient groundwater conditions at the Site. The wells were monitored for volatile and semivolatile organic compounds (VOCs and SVOCs) and metals on a quarterly basis starting in the first year following issuance of the COC (2008). The frequency of monitoring has since been modified, as approved by the NYSDEC. The network of Site wells has been located in the downgradient vicinity of the former area of petroleum-impacted soil, the downgradient vicinity of the former area of metals-impacted soil, and at upgradient locations. These wells are installed into the water table aquifer and a portion of each well screen spans the water table surface; groundwater flow is toward the Harlem River to the east.

#### **3.1.2 Summary of Groundwater Monitoring**

Groundwater monitoring did not occur during the reporting period; however, the monitoring well network was inspected in 2012, 2013, and 2014. The monitoring wells have been maintained and no issues were noted during the inspections.

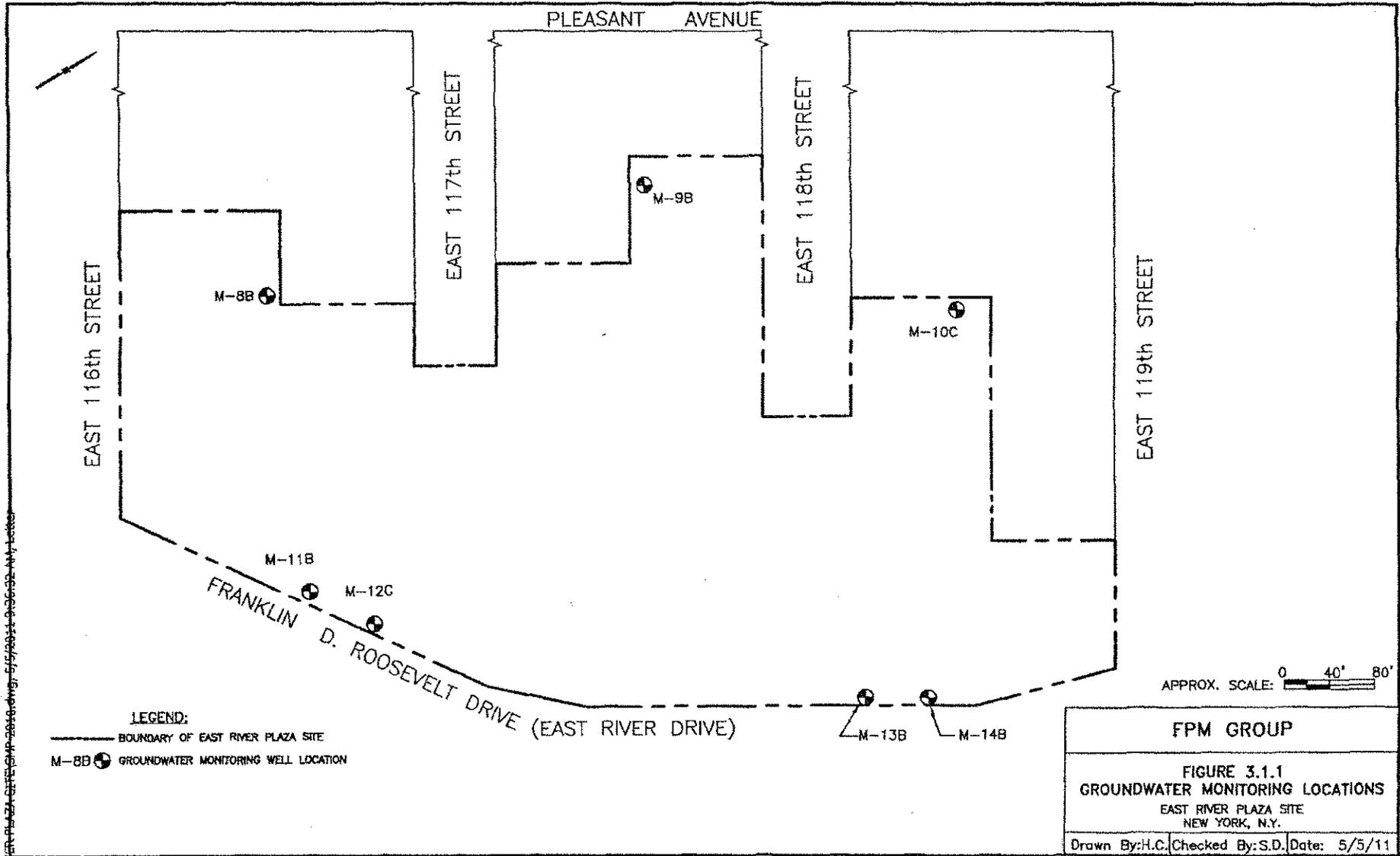
#### **3.1.4 Groundwater Monitoring Deficiencies**

No groundwater monitoring deficiencies were noted during the reporting period.

#### **3.1.5 Groundwater Monitoring Conclusions and Recommendations for Changes**

No groundwater monitoring was performed during the reporting period as the groundwater monitoring program was terminated, with NYSDEC approval, in June 2011.

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APPROX. SCALE: 0 40' 80'

**LEGEND:**

- BOUNDARY OF EAST RIVER PLAZA SITE
- M-8B GROUNDWATER MONITORING WELL LOCATION

<b>FPM GROUP</b>
<b>FIGURE 3.1.1</b> <b>GROUNDWATER MONITORING LOCATIONS</b> EAST RIVER PLAZA SITE NEW YORK, N.Y.
Drawn By: H.C.   Checked By: S.D.   Date: 5/5/11

### **3.2 VAPOR BARRIER SYSTEM MONITORING**

No vapor barrier system monitoring was performed during the reporting period as no change of use has occurred in the subgrade portions of the Site building since the last report in the 2011 PRR.

## **SECTION 4.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE**

The Site has no mechanical remedial systems requiring operation and maintenance. Therefore, the Operation and Maintenance (O&M) Plan includes only measures necessary to operate and maintain the groundwater monitoring well network. The wells are inspected on an annual basis and any necessary minor repairs are completed and documented. If a well is damaged beyond repair, it is replaced.

### **4.1 SUMMARY OF O&M ACTIVITIES**

During the reporting period the monitoring wells were inspected three times and no repairs were necessary.

### **4.2 EVALUATION OF O&M ACTIVITIES**

The completed O&M activities enabled the groundwater monitoring well network to perform as intended.

### **4.3 O&M DEFICIENCIES**

There were no O&M deficiencies noted during the reporting period.

### **4.4 O&M CONCLUSIONS AND RECOMMENDATIONS**

The O&M activities in the SMP were conducted throughout the reporting period. The groundwater monitoring program was terminated, with NYSDEC approval, in 2011. The Site wells will be retained at this time in the event that additional monitoring is necessary. The monitoring wells will continue to be inspected on an annual basis.

## SECTION 5.0 CONCLUSIONS AND RECOMMENDATIONS

The overall condition of the Site and compliance with the requirements of the SMP and Environmental Easement are evaluated in this section. This section also includes conclusions and recommendations for changes to the SMP.

### 5.1 COMPLIANCE WITH SMP

Assessment of the overall Site condition and compliance with the SMP during the reporting period was performed during site-wide inspections completed in November 2012, December 2013, and December 2014, as well as throughout the reporting period during ongoing oversight activities, monitoring events, and other inspections. Copies of the completed site-wide inspection checklists are included in Appendix B. The results of the site-wide inspections are summarized as follows:

➤ EC/IC Plan

- The cover system EC was completed by the end of 2009. The vapor barrier system EC was also completed in 2009. The cover system and vapor barrier system were both completely in place throughout the reporting period. No change is recommended for the cover system EC.
- ICs required for the Site, as enumerated in the Environmental Easement, have been implemented, including restrictions on Site usage, inclusion of appropriate information in Site conveyance and lease documents, prohibition of groundwater use and prohibition of vegetable gardens. It was noted that the Site was occupied by commercial tenants throughout the reporting period; this usage is consistent with the allowed uses. No changes to the ICs are recommended.

➤ Monitoring and O&M Plans

- Groundwater monitoring was not conducted during the reporting period as the NYSDEC approved the termination of the groundwater monitoring program in June 2011. Inspection and maintenance of the groundwater monitoring wells was conducted as necessary.

## **5.2 PERFORMANCE AND EFFECTIVENESS OF THE REMEDY**

The remedy has been implemented in compliance with the Site-specific Remedial Work Plan and FER and continues to be managed in compliance with the SMP. This remedy continues to perform effectively and protect the public from the remaining residual materials at the Site.

Throughout the reporting period, the final cover system and vapor barrier were complete and in good condition. The completed cover system and vapor barrier effectively protect Site occupants from the remaining residual materials.

The approved Site usage is commercial and restricted residential (residential use above the first floor). Commercial tenants occupied the Site throughout the reporting period. The Site usage and development are consistent with the approved uses and are protective.

Groundwater monitoring was not conducted during the reporting period as the NYSDEC approved the termination of the groundwater monitoring program in June 2011. Previous groundwater monitoring has confirmed an improvement in downgradient groundwater quality following the completion of remedial action. The implemented remedy has been effective at eliminating Site-related impacts to groundwater quality.

## **5.3 RECOMMENDATIONS**

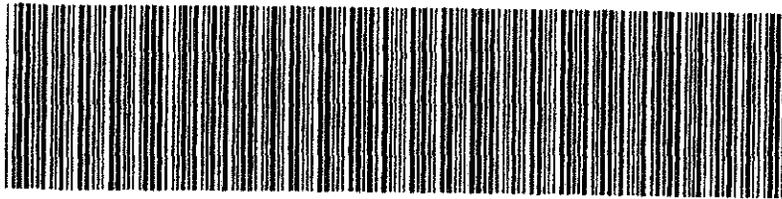
Based on the current Site conditions, FPM has no recommendations for changes to the PRR submittals, the remedy, or to the SMP.

**APPENDIX A**

**ENVIRONMENTAL EASEMENT**

**NYC DEPARTMENT OF FINANCE  
OFFICE OF THE CITY REGISTER**

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**RECORDING AND ENDORSEMENT COVER PAGE**

**PAGE 1 OF 16**

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Preparation Date: 12-21-2007

Document Type: EASEMENT

Document Page Count: 14

**PRESENTER:**

GUARDIAN LAND ABSTRACT CORP.  
AS AGENT FOR COMMONWEALTH / G41112NY  
1010 NORTHERN BOULEVARD, PO BOX 385  
GREAT NECK, NY 11021  
516-466-6050  
glendarutter@title-team.com/ PICK UP RSR

**RETURN TO:**

DAVID KAPLAN, ESQ.  
300 ROBBINS LANE  
SYOSSET, NY 11791

**PROPERTY DATA**

Borough	Block	Lot	Unit	Address
MANHATTAN	1715	22	Entire Lot	517 EAST 116 STREET

Property Type: COMMERCIAL REAL ESTATE

Borough	Block	Lot	Unit	Address
MANHATTAN	1716	19	Partial Lot	539 EAST 117 STREET

Property Type: COMMERCIAL REAL ESTATE

x Additional Properties on Continuation Page

**CROSS REFERENCE DATA**

CRFN \_\_\_\_\_ or Document ID \_\_\_\_\_ or \_\_\_\_\_ Year \_\_\_\_\_ Reel \_\_\_\_\_ Page \_\_\_\_\_ or File Number \_\_\_\_\_

**PARTIES**

**GRANTOR/SELLER:**  
TLAGO HOLDINGS, LLC  
300 ROBBINS LANE  
SYOSSET, NY 11791

**GRANTEE/BUYER:**  
COMMISSIONER DEPT. ENVIRONMENTAL  
CONSERVATION  
625 BROADWAY  
ALBANY, NY 12233

**FEEES AND TAXES**

Mortgage		Filing Fee:	
Mortgage Amount:	\$ 0.00	\$	165.00
Taxable Mortgage Amount:	\$ 0.00	NYC Real Property Transfer Tax:	\$ 0.00
Exemption:		NYS Real Estate Transfer Tax:	\$ 0.00
TAXES: County (Basic):	\$ 0.00		
City (Additional):	\$ 0.00		
Spec (Additional):	\$ 0.00		
TASF:	\$ 0.00		
MTA:	\$ 0.00		
NYCTA:	\$ 0.00		
Additional MRT:	\$ 0.00		
<b>TOTAL:</b>	<b>\$ 0.00</b>		
Recording Fee:	\$ 114.00		
Affidavit Fee:	\$ 0.00		

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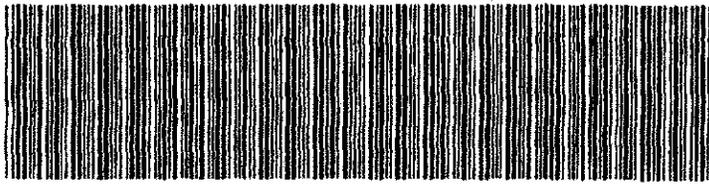
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*Annette M. Hill*

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RECORDING AND ENDORSEMENT COVER PAGE (CONTINUATION) PAGE 2 OF 16

Document ID: 2007122100054001

Document Date: 12-20-2007

Preparation Date: 12-21-2007

Document Type: EASEMENT

**PROPERTY DATA**

Borough	Block	Lot	Unit	Address
MANHATTAN	1815	23	Entire Lot	527 EAST 118 STREET
Property Type: COMMERCIAL REAL ESTATE				
Borough	Block	Lot	Unit	Address
MANHATTAN	1815	31	Entire Lot	540 EAST 119 STREET
Property Type: COMMERCIAL REAL ESTATE				

County: New York Site No: C231045 Contract/Order No: W2-1068-05-06

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

THIS INDENTURE made this <sup>26</sup> day of December, 2007, between Tiago Holdings, LLC ("Grantor Fee Owner" or "Grantor"), a New York limited liability company having an office at 300 Robbins Lane, Syosset, New York, and the People of the State of New York (the "Grantee"), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

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

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

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

**WHEREAS**, Grantor, is the owner of real property located in the City of New York, New York County, New York known and designated on the tax map of the Borough of Manhattan as 517-544 East 116<sup>th</sup> Street, Block 1715, Lot 22, 539-555 East 117<sup>th</sup> Street and 512-522 East 118<sup>th</sup> Street, Block 1716, Lot 19, 527-549 East 118<sup>th</sup> Street, Block 1815, Lot 23, and 540-546 East 119<sup>th</sup> Street, Block 1815, Lot 31, which is designated as Site No. C231045 under the Brownfield Cleanup Agreement which is comprised of approximately 4.5 hereinafter more fully described in Schedule A attached hereto and made a part hereof ( the " Controlled Property"); and;

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

**NOW THEREFORE**, in consideration of the covenants and mutual promises contained herein and the terms and conditions of **Brownfield Cleanup Agreement Number W2-1068-05-06** Grantor grants, conveys and releases to Grantee a permanent Environmental Easement pursuant to Article 71, Title 36 of the ECL in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

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

2. Institutional and Engineering Controls. The following engineering and institutional controls ("Engineering and Institutional Controls") apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees, and any person using the Controlled Property:

A. The Controlled Property may be used for commercial use and restricted residential use (as defined in NYSDEC Regulations Subpart 375-1.8(g)(2) as long as the following long-term Engineering and Institutional Controls are employed:

a) all engineering controls must be operated and maintained as specified in the Site Management Plan submitted by Grantor and approved by the Department for the Controlled Property (the "Site Management Plan"). No Engineering and Institutional Controls may be discontinued without a NYSDEC-approved amendment or extinguishment of this Environmental Easement;

b) Annual inspections of the Controlled Property, certifications of Engineering and Institutional Controls and usage of Controlled Property, and Site Management Reporting to the Department must be conducted in accordance with the NYSDEC-approved Site Management Plan;

County: New York Site No: C231045 Contract/Order No: W2-1068-05-06

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- c) groundwater and other environmental or public health monitoring, and reporting of information thus obtained, must be performed in a manner specified in the Site Management Plan;
- d) on-site environmental monitoring devices, including but not limited to, groundwater monitor wells, must be protected and replaced as necessary to ensure continued functioning in the manner specified in the NYSDEC-approved Site Management Plan;
- e) vegetable gardens are prohibited; and
- f) residential habitation will not take place in the basement or first floor and shall only occur above the first floor.

The Grantor hereby acknowledges receipt of a copy of the NYSDEC-approved Site Management Plan, dated December 2007 ("SMP"). The SMP describes obligations that Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system on the Controlled Property, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. Upon notice of not less than thirty (30) days the Department in exercise of its discretion and consistent with applicable law may revise the SMP. The notice shall be a final agency determination. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Regional Remediation Engineer  
Region Two  
NYS Department of Environmental Conservation  
Hunters Point Plaza  
47-40 21<sup>st</sup> Street  
Long Island City, New York 11101-5401

or:

Site Control Section  
Division of Environmental Remediation  
NYS Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233

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

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

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

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

E. Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury that the controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls employed at the Controlled Property were approved by the NYSDEC, and that nothing has occurred that would impair the ability of such control to protect the public health and environment or constitute a violation or failure to comply with any Site Management Plan for such controls and giving access to such Controlled Property to evaluate continued maintenance of such controls.

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

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

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

2. The right to give, sell, assign, or otherwise transfer the underlying fee interest to the Controlled Property by operation of law, by deed, or by indenture, subject and subordinate to this Environmental Easement;

5. Enforcement

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

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

B. If any person intentionally violates this environmental easement, the Grantee may revoke the Certificate of Completion provided under ECL Article 27, Title 14, or Article 56, Title 5 with respect to the Controlled Property.

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

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar its enforcement rights in the event of a subsequent breach of or noncompliance with any of the terms of this Environmental Easement.

6. Notice. Whenever notice to the State (other than the annual certification) or approval from the State is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information: County, NYSDEC Site Number, NYSDEC Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Environmental Easement Attorney  
Office of General Counsel  
NYSDEC  
625 Broadway  
Albany New York 12233-5500

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

County: New York Site No: C231045 Contract/Order No: W2-1068-05-06

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7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.
8. Amendment. This Environmental Easement may be amended only by an amendment executed by the Commissioner of the New York State Department of Environmental Conservation and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.
9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.
10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.
11. Conflict with Reciprocal Easement. Any conflicts between the terms and provisions of that certain Reciprocal Easement, Restriction and Common Area Maintenance Declaration made as of January 31, 2007 by Tiago Holdings, LLC recorded in CRFN 2007000097184 and the terms and provisions of this environmental easement, shall be resolved in favor of this environmental easement.

County: New York Site No: C 230145 Contract/Order No: W2-1068-05-06

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

Tiago Holdings, LLC

By: FC East River Associates, LLC

By: RRG East River, LLC

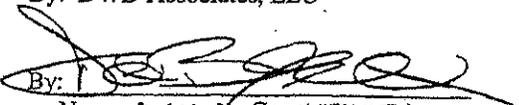
By: 

Name: DAVID L. BERLINER

Title: SR. VICE PRESIDENT

Date: 12/10/2007

By: DWD Associates, LLC

By: 

Name: DAVID BLUMENFELD

Title: MANAGER

Date: DEC. 7, 2007

**Grantor's Acknowledgment**

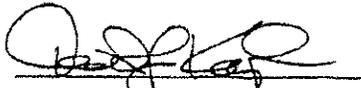
State of New York )  
 ) ss.:  
County of KINGS )

On the 10<sup>th</sup> day of Dec., 2007 before me, the undersigned, personally appeared DAVID L. BRAUER, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her 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.

 Jeanne Mucci  
JEANNE MUCCI  
Notary Public, State of New York  
No. 30-4834577  
Qualified in Nassau County  
Commission Expires March 30, 2011

State of New York )  
 ) ss.:  
County of NASSAU )

On the 7<sup>th</sup> day of DECEMBER, 2007, before me, the undersigned, personally appeared DAVID BLUMENFELD, personally known to me who or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) 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.

  
DAVID J. KAPLAN  
Notary Public, State of New York  
No. 02KAG010914  
Qualified in Nassau County  
Commission Expires July 27, 2009



County: New York Site No: C231045 Contract/Order No: W2-1068-05-06

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

by:

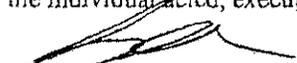


Alexander B. Grannis, Commissioner

**Grantee's Acknowledgment**

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

On the 20 day of December, in the year 2007, before me, the undersigned, personally appeared ALEXANDER B. GRANNIS, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity as Commissioner of the State of New York Department of Environmental Conservation, and that by his 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

SCOTT OWENS  
Notary Public, State of New York  
No. 0206108092  
Qualified in Albany County  
Commission Expires April 12, 2008



**SCHEDULE A**

NOVEMBER 22, 2006  
REVISED SEPTEMBER 13, 2007  
REVISED DECEMBER 7, 2007  
C96511

METES & BOUNDS DESCRIPTION  
BROWNFIELDS PARCEL  
LANDS OF TIAGO HOLDINGS, LLC  
LOT 22, BLOCK 1715, LOT 19, BLOCK 1716  
AND LOTS 23 & 31, BLOCK 1815  
BOROUGH OF MANHATTAN  
CITY, COUNTY AND STATE OF NEW YORK

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, WITH THE BUILDINGS AND IMPROVEMENTS THEREON ERECTED, SITUATE, LYING AND BEING IN THE BOROUGH OF MANHATTAN, CITY, COUNTY AND STATE OF NEW YORK, MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE NORTHERLY SIDE OF EAST 116<sup>TH</sup> STREET (100 FOOT WIDE RIGHT OF WAY), SAID POINT BEING DISTANT 248.00 FEET FROM THE CORNER FORMED BY THE INTERSECTION OF THE NORTHERLY SIDE OF EAST 116<sup>TH</sup> STREET WITH THE EASTERLY SIDE OF PLEASANT AVENUE (A.K.A. AVENUE "A", A.K.A. PALADINO AVENUE, 100 FOOT WIDE RIGHT OF WAY) AND FROM SAID POINT OF BEGINNING RUNNING, THENCE;

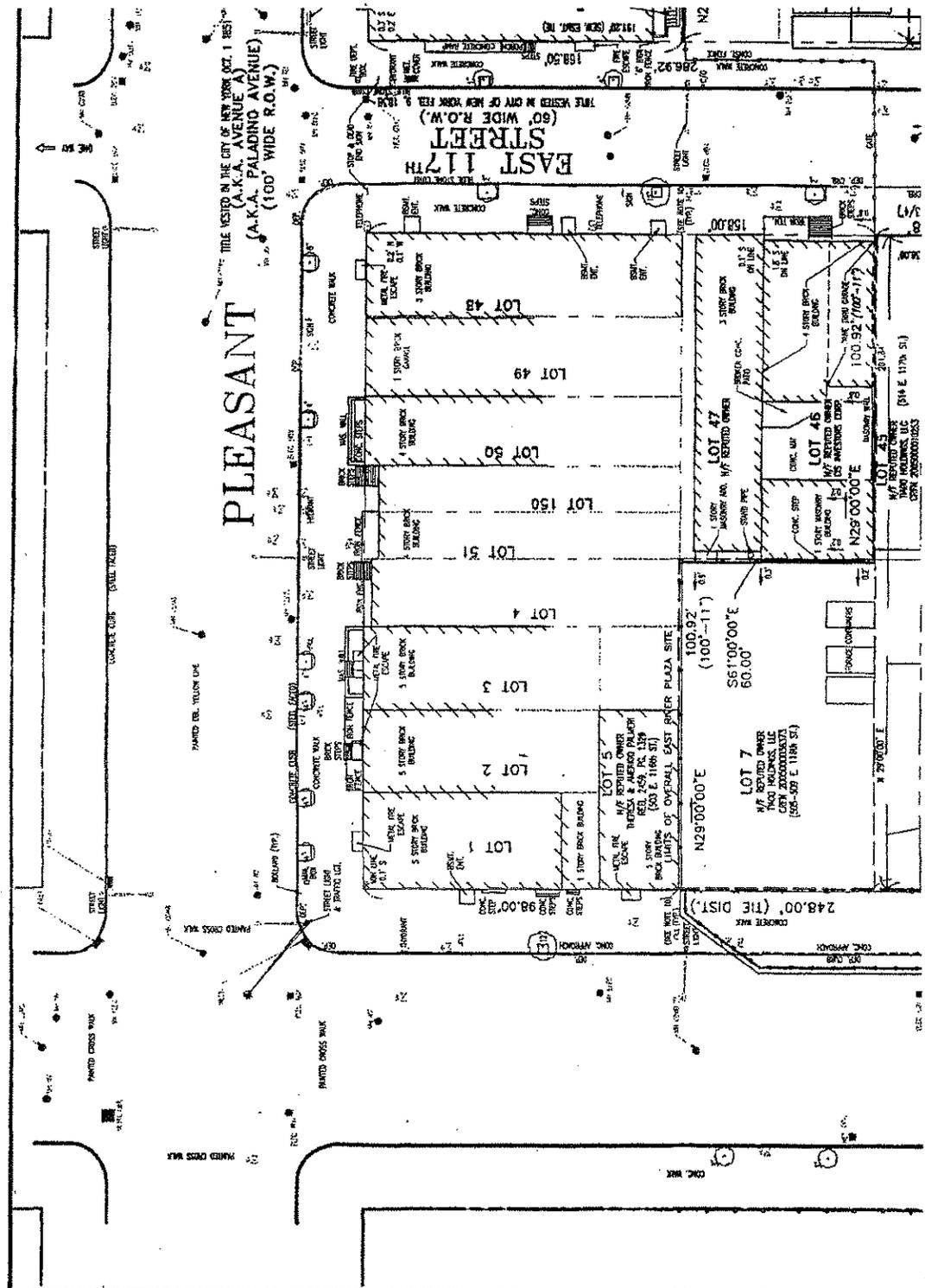
1. NORTHERLY, PARALLEL WITH THE EASTERLY SIDE OF PLEASANT AVENUE, A DISTANCE OF 100.92 FEET (100 FEET, 11 INCHES) TO THE CENTER LINE OF BLOCK 1715, THENCE;
2. EASTERLY, PARALLEL WITH THE NORTHERLY SIDE OF EAST 116<sup>TH</sup> STREET, A DISTANCE OF 106.92 FEET (106 FEET, 11 INCHES) TO A POINT, THENCE;
3. NORTHERLY, PARALLEL WITH THE EASTERLY SIDE OF PLEASANT AVENUE, A DISTANCE OF 100.92 FEET (100 FEET, 11 INCHES) TO A POINT ON THE SOUTHERLY SIDE OF EAST 117<sup>TH</sup> STREET (60 FOOT WIDE RIGHT OF WAY), THENCE;
4. EASTERLY, ALONG THE SOUTHERLY SIDE OF EAST 117<sup>TH</sup> STREET, A DISTANCE OF 30.00 FEET TO A POINT, THENCE;
5. NORTHERLY, ALONG THE EASTERLY TERMINUS OF EAST 117<sup>TH</sup> STREET AND BEING PARALLEL WITH THE EASTERLY SIDE OF PLEASANT AVENUE, A DISTANCE OF 60.00 FEET TO A POINT ON THE NORTHERLY SIDE OF EAST 117<sup>TH</sup> STREET, THENCE;
6. WESTERLY, ALONG THE NORTHERLY SIDE OF EAST 117<sup>TH</sup> STREET, A DISTANCE OF 61.92 FEET (61 FEET, 11 INCHES) TO A POINT, THENCE;

7. NORTHERLY, PARALLEL WITH THE EASTERLY SIDE OF PLEASANT AVENUE, A DISTANCE OF 100.92 FEET (100 FEET, 11 INCHES) TO THE CENTER LINE OF BLOCK 1716, THENCE;
8. WESTERLY, PARALLEL WITH THE NORTHERLY SIDE OF EAST 116<sup>TH</sup> STREET, A DISTANCE OF 125.00 FEET TO A POINT, THENCE;
9. NORTHERLY, PARALLEL WITH THE EASTERLY SIDE OF PLEASANT AVENUE, A DISTANCE OF 100.92 FEET (100 FEET, 11 INCHES) TO THE SOUTHERLY SIDE OF EAST 118<sup>TH</sup> STREET (60 FOOT WIDE RIGHT OF WAY), THENCE;
10. EASTERLY, ALONG THE SOUTHERLY SIDE OF EAST 118<sup>TH</sup> STREET, A DISTANCE OF 196.98 FEET (196 FEET, 11 3/4 INCHES) TO A POINT, THENCE;
11. NORTHERLY, ALONG THE EASTERLY TERMINUS OF EAST 118<sup>TH</sup> STREET AND BEING PARALLEL WITH THE EASTERLY SIDE OF PLEASANT AVENUE, A DISTANCE OF 60.00 FEET TO A POINT ON THE NORTHERLY SIDE OF EAST 118<sup>TH</sup> STREET, THENCE;
12. WESTERLY, ALONG THE NORTHERLY SIDE OF EAST 118<sup>TH</sup> STREET, A DISTANCE OF 40.04 FEET (40 FEET, 1/2 INCH) TO A POINT, THENCE;
13. NORTHERLY, PARALLEL WITH THE EASTERLY SIDE OF PLEASANT AVENUE, A DISTANCE OF 100.92 FEET (100 FEET, 11 INCHES) TO THE CENTER LINE OF BLOCK 1815, THENCE;
14. EASTERLY, PARALLEL WITH THE NORTHERLY SIDE OF EAST 116<sup>TH</sup> STREET, A DISTANCE OF 125.20 FEET (125 FEET, 2 3/8 INCHES) TO A POINT, THENCE;
15. NORTHERLY, PARALLEL WITH THE EASTERLY SIDE OF PLEASANT AVENUE, A DISTANCE OF 100.92 FEET (100 FEET, 11 INCHES) TO THE SOUTHERLY SIDE OF EAST 119<sup>TH</sup> STREET (60 FOOT WIDE RIGHT OF WAY), THENCE;
16. EASTERLY, ALONG THE SOUTHERLY SIDE OF EAST 119<sup>TH</sup> STREET, A DISTANCE OF 129.70 FEET (129 FEET, 8 3/8 INCHES) TO THE CORNER FORMED BY THE INTERSECTION OF THE SOUTHERLY SIDE OF EAST 119<sup>TH</sup> STREET AND THE NEW WESTERLY SIDE OF FRANKLIN D. ROOSEVELT DRIVE (A.K.A. EAST RIVER DRIVE, A.K.A. AVENUE "B", VARIABLE WIDTH RIGHT OF WAY), THENCE; THE FOLLOWING FOUR (4) COURSES ALONG SAID NEW WESTERLY SIDE OF FRANKLIN D. ROOSEVELT DRIVE:
17. SOUTHERLY, A DISTANCE OF 77.74 FEET (77 FEET, 8 7/8 INCHES) TO A POINT OF CURVATURE, THENCE;
18. ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 1,000.00 FEET, A CENTRAL ANGLE OF 25 DEGREES - 27 MINUTES - 37 SECONDS, AN ARC LENGTH OF 444.37 FEET (444 FEET, 4 1/2 INCHES), TO A POINT OF TANGENCY, THENCE;
19. SOUTHWESTERLY, A DISTANCE OF 87.41 FEET (87 FEET, 4 7/8 INCHES) TO A POINT, THENCE;
20. SOUTHWESTERLY, A DISTANCE OF 138.35 FEET (138 FEET, 4 1/4 INCHES) TO THE CORNER FORMED BY THE INTERSECTION OF THE WESTERLY SIDE OF FRANKLIN D. ROOSEVELT DRIVE AND THE NORTHERLY SIDE OF EAST 116<sup>TH</sup> STREET, THENCE;

21. WESTERLY, ALONG THE NORTHERLY SIDE OF EAST 116<sup>TH</sup> STREET, A DISTANCE OF 263.62 FEET (263 FEET, 7 1/4 INCHES) TO THE POINT AND PLACE OF BEGINNING.

CONTAINING 194,457 SQUARE FEET OR 4.464 ACRES

CONTROL POINT ASSOCIATES, INC.



**PLEASANT**  
 TITLE VESTED IN THE CITY OF NEW YORK ACT. 1 1981  
 (A.K.A. AVENUE A)  
 (A.K.A. PALADINO AVENUE)  
 (100' WIDE R.O.W.)

**EAST 117TH STREET**  
 (60' WIDE R.O.W.)  
 TITLE VESTED IN CITY OF NEW YORK FEB. 1981

248.00' (THE DIST.)  
 CONCRETE WALK  
 CONC. APPROX.

LOT 7  
 1/2 REPAIRED OWNER  
 7400 HOLDINGS LLC  
 400 WEST 117TH ST  
 NEW YORK, NY 10030  
 (212-512-1111)

100.92' (111'-11")  
 3,000.00'±  
 60.00'  
 561.00'±

LOT 47  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 45  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 43  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 48  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 49  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 50  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 51  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 4  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 3  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 2  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 1  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 5  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 6  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 150  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 151  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 152  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 153  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 154  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

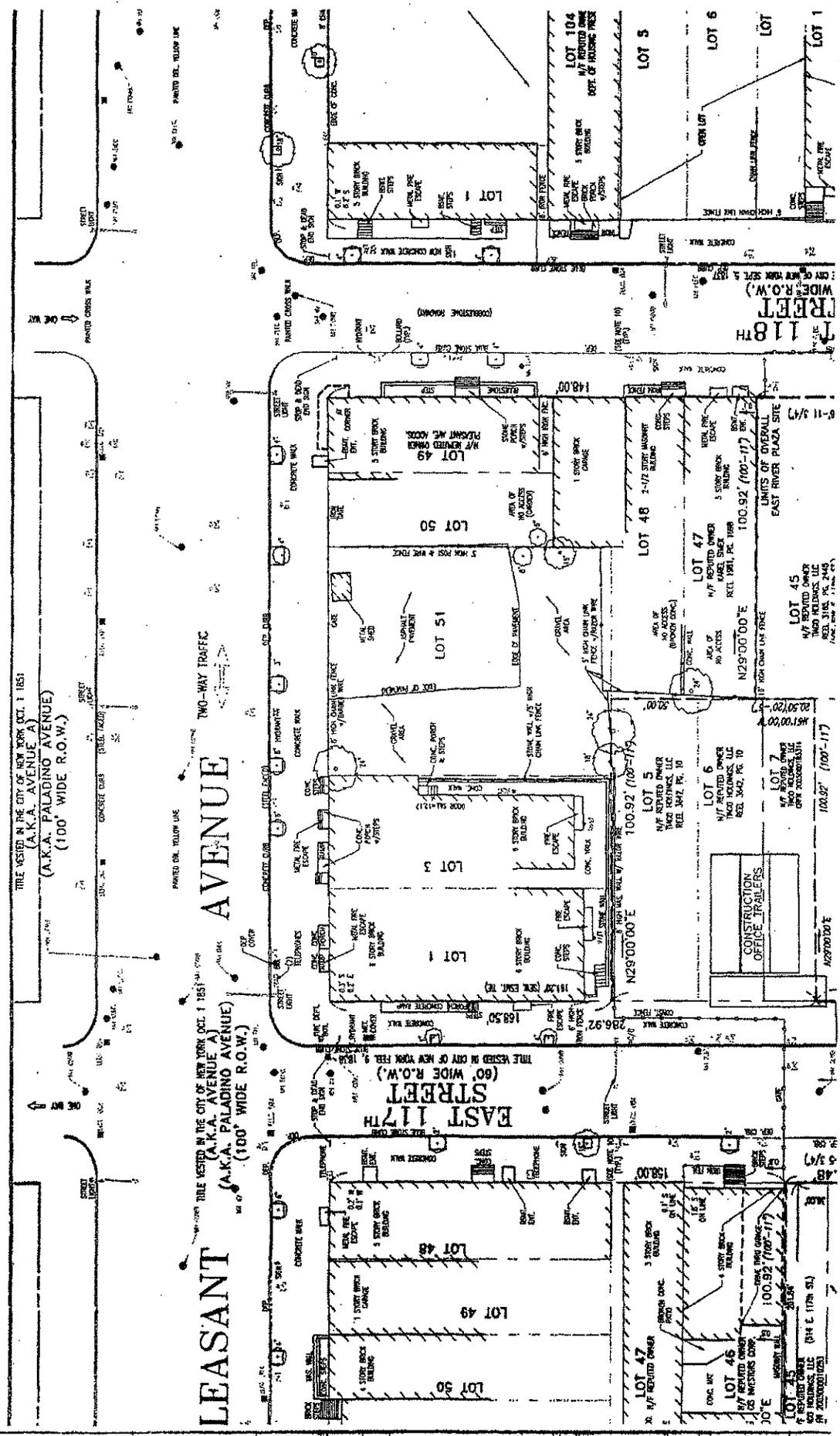
LOT 155  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 156  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 157  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

LOT 158  
 1/2 REPAIRED OWNER  
 100 92ND STREET LLC  
 100 92ND STREET  
 NEW YORK, NY 10019  
 (212-351-1111)

CONC. APPROX.



**LEASANT AVENUE**

TITLE VESTED IN THE CITY OF NEW YORK (O.C.L. 1 1851)  
 (A.K.A. PALADINO AVENUE A)  
 (100' WIDE R.O.W.)

TITLE VESTED IN THE CITY OF NEW YORK (O.C.L. 1 1851)  
 (A.K.A. AVENUE A)  
 (100' WIDE R.O.W.)

TITLE VESTED IN THE CITY OF NEW YORK (O.C.L. 1 1851)  
**EAST 117TH STREET**  
 (60' WIDE R.O.W.)

TITLE VESTED IN THE CITY OF NEW YORK (O.C.L. 1 1851)  
**EAST 118TH STREET**  
 (60' WIDE R.O.W.)

LIMITS OF OVERALL EAST RIVER PLAZA SITE

CONSTRUCTION OFFICE TRAILERS

LOT 45  
 1/2 RESIDENT OWNER  
 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10

LOT 46  
 1/2 RESIDENT OWNER  
 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10

LOT 47  
 1/2 RESIDENT OWNER  
 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10

LOT 48  
 1/2 RESIDENT OWNER  
 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10

LOT 49  
 1/2 RESIDENT OWNER  
 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10

LOT 50  
 1/2 RESIDENT OWNER  
 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10

LOT 51  
 1/2 RESIDENT OWNER  
 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10

LOT 47  
 1/2 RESIDENT OWNER  
 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10

LOT 48  
 1/2 RESIDENT OWNER  
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 REEL 3042, PG. 10

LOT 49  
 1/2 RESIDENT OWNER  
 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10

LOT 50  
 1/2 RESIDENT OWNER  
 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10

LOT 51  
 1/2 RESIDENT OWNER  
 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10

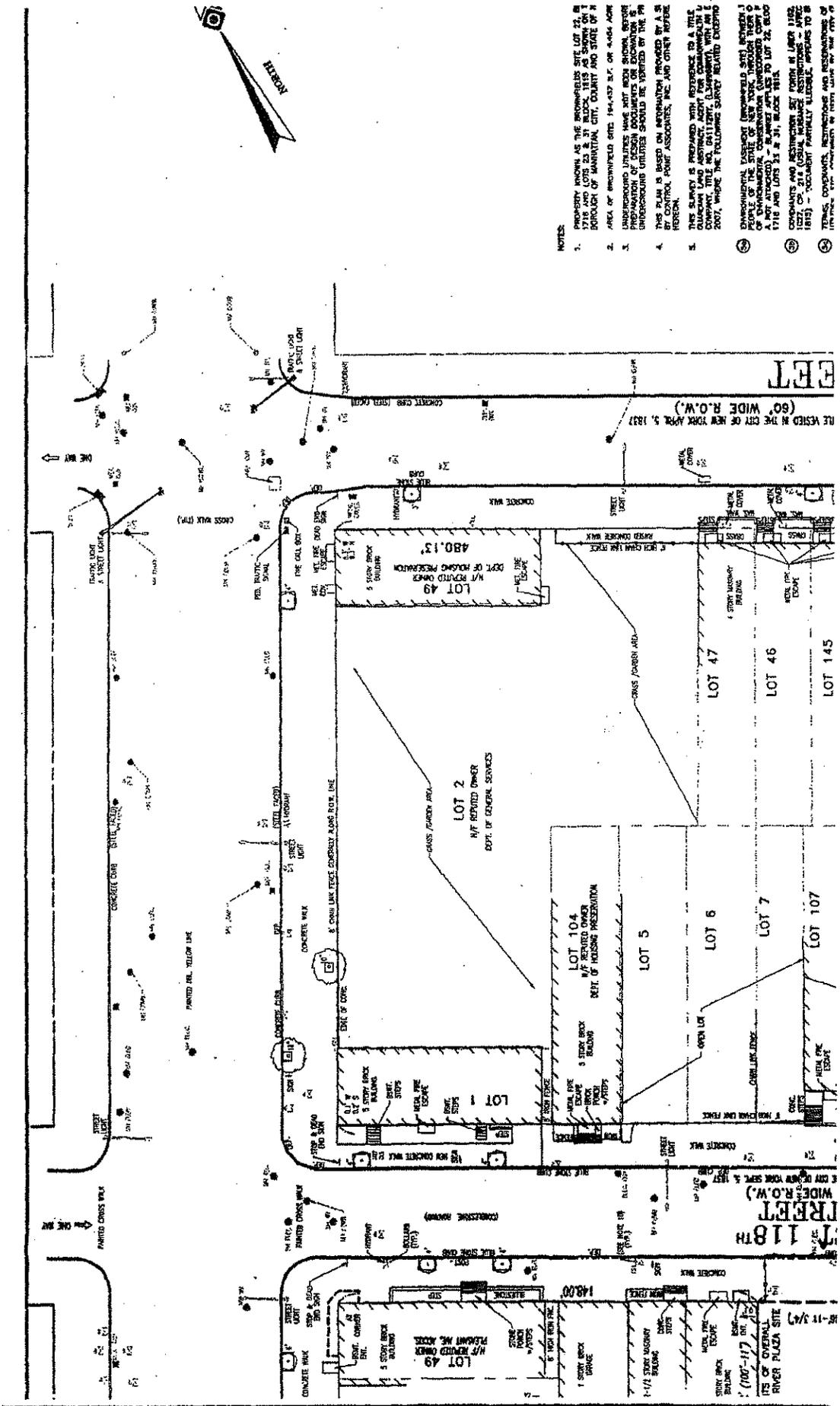
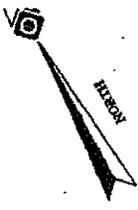
LOT 104  
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 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10

LOT 105  
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 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10

LOT 106  
 1/2 RESIDENT OWNER  
 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10

LOT 107  
 1/2 RESIDENT OWNER  
 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10

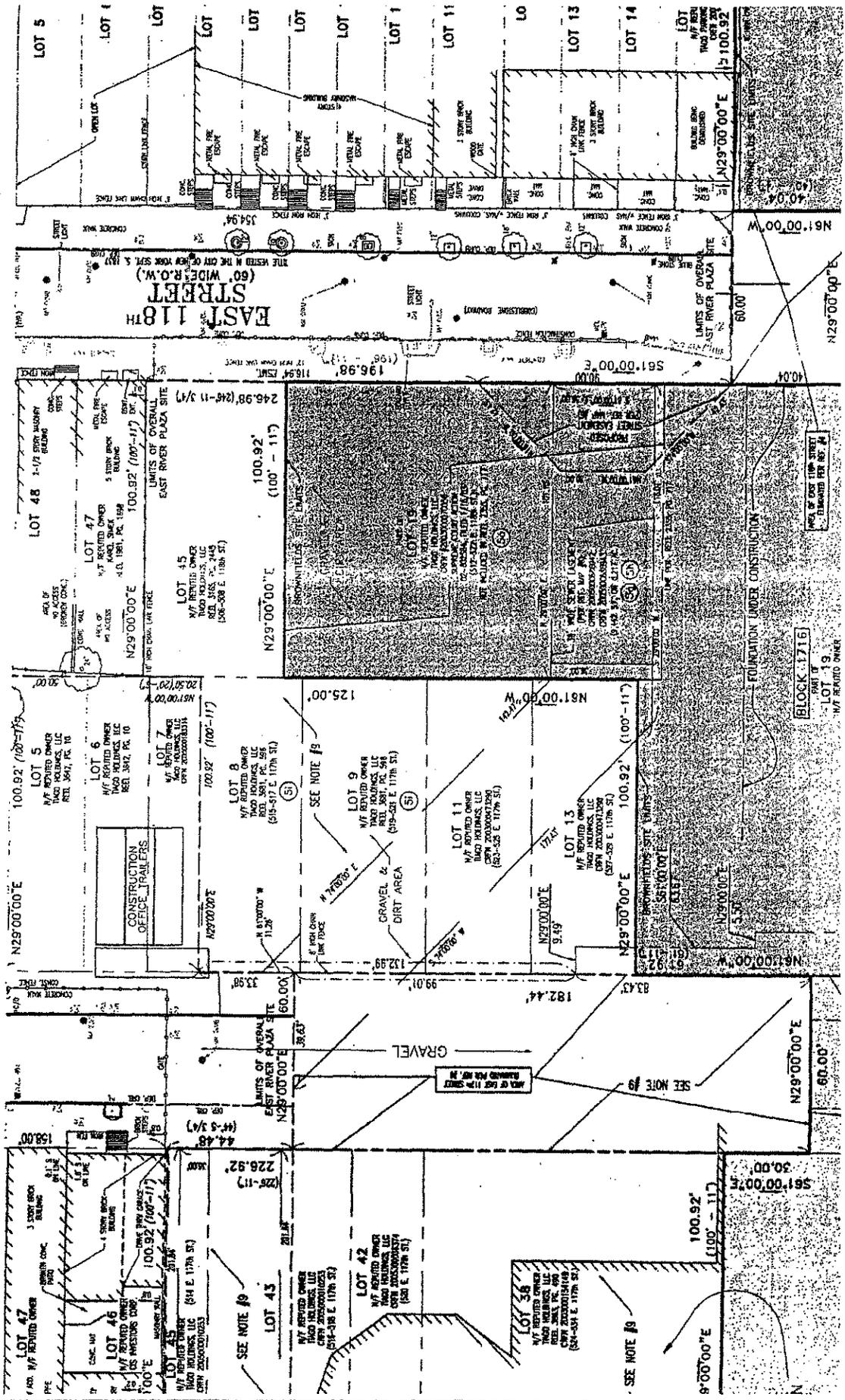
LOT 108  
 1/2 RESIDENT OWNER  
 1/2 WARD HOLDINGS, LLC  
 REEL 3042, PG. 10



- NOTES:
1. PROPERTY KNOWN AS THE BROWNFIELD SITE LOT 22, IN 1718 AND 1719 23 & 27 BLDG. THIS AS SHOWN ON A RECORD OF MANHOLE, CWT, CURB AND SIDE OF A AREA OF BROWNFIELD SITE 154-157 S.W. OR 4-404 ADM UNDERGROUND UTILITIES HAVE NOT BEEN SHOWN. BEFORE PREPARATION OF DESIGN DOCUMENTS FOR DESIGN OF UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE PERSONNEL OF THE PORT ASSOCIATES, INC. AND OTHER REPUTABLE PERSONS.
  2. THIS PLAN IS BASED ON INFORMATION PROVIDED BY A PERSONNEL OF THE PORT ASSOCIATES, INC. AND OTHER REPUTABLE PERSONS.
  3. THE SURVEY IS PREPARED WITH REFERENCE TO A TITLE COMPANY LAND INSTRUMENT ADJUST THE COMPANY WITH A COMPANY, TITLE NO. 2411787, (SCHEDULED WITH AN INSTRUMENT NO. 2411787) AND APPLIES TO LOT 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200.
  4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY A PERSONNEL OF THE PORT ASSOCIATES, INC. AND OTHER REPUTABLE PERSONS.
  5. THE SURVEY IS PREPARED WITH REFERENCE TO A TITLE COMPANY LAND INSTRUMENT ADJUST THE COMPANY WITH A COMPANY, TITLE NO. 2411787, (SCHEDULED WITH AN INSTRUMENT NO. 2411787) AND APPLIES TO LOT 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200.









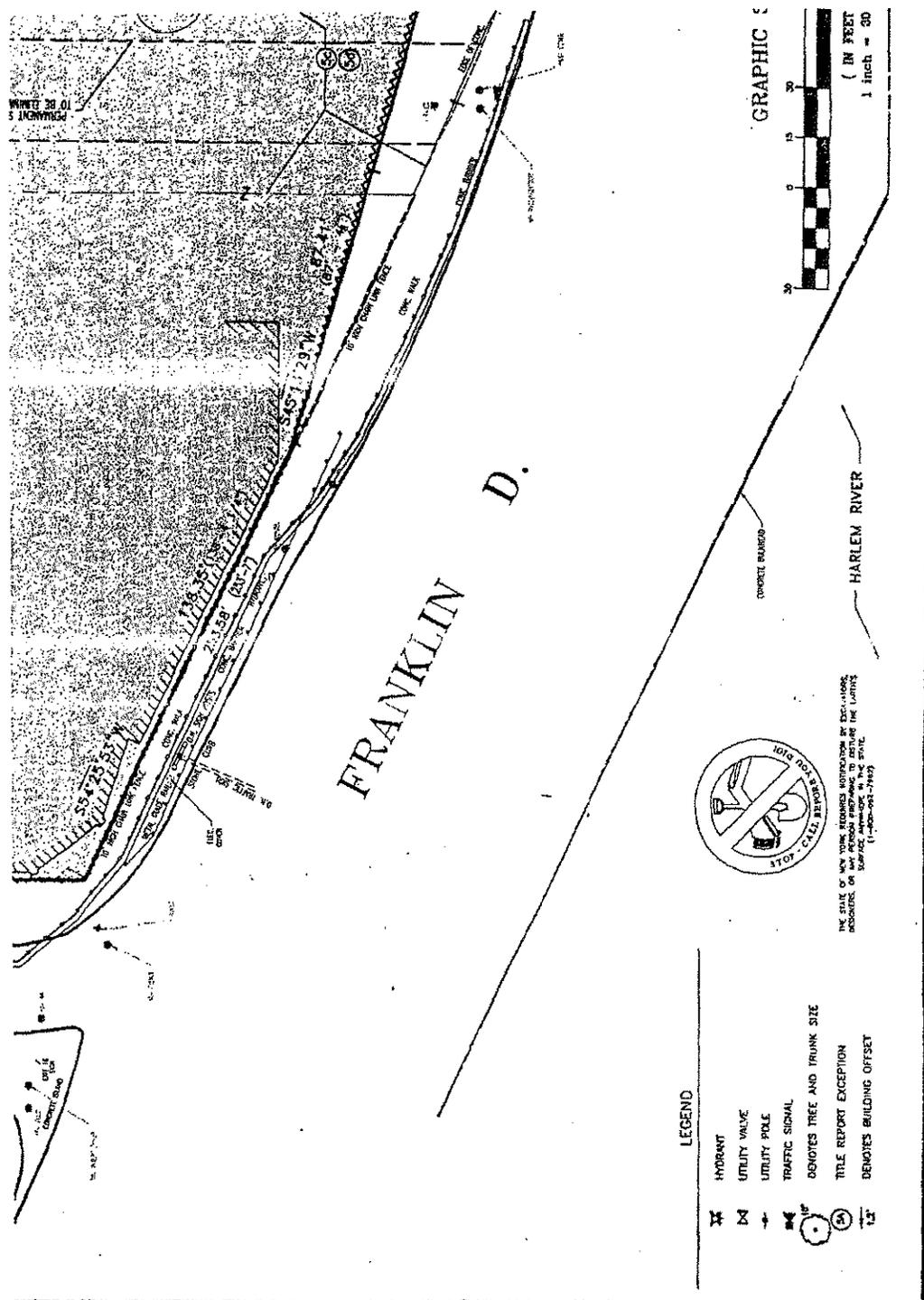












GRAPHIC SCALE  
 ( IN FEET )  
 1 inch = 30

- LEGEND**
- HYDRANT
  - UTILITY VALVE
  - UTILITY POLE
  - TRAFFIC SIGNAL
  - SHOWS TREE AND TRUNK SIZE
  - TITLE REPORT EXCEPTION
  - DEMOTES BUILDING OFFSET



THE STATE OF NEW YORK HEREBY AUTHORIZES THE ENGINEER TO MAKE ANY NECESSARY ADJUSTMENTS TO ANY SURFACE APPEARING ON THIS PLAN TO ACCURATELY REFLECT THE ACTUAL SURFACE APPEARANCE IN THE STATE.  
 (1-100-001-7-70)

CONTROL POINT ASSOCIATES, INC. - ALL RIGHTS RESERVED.  
 THE OFFICE OF THE ENGINEER HAS REVIEWED THIS PLAN AND FOUND IT TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE ENGINEERING LAW.  
 THE ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE PLAN AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED HEREON.  
 THE ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE PLAN AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED HEREON.  
 THE ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE PLAN AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED HEREON.









## APPENDIX B

### EC/IC DOCUMENTATION

- NYSDEC Letter Approving Groundwater Monitoring Termination and 2010 PRR
- Addendum to SMP – July 28, 2011
- NYSDEC Letter Approving SMP Addendum
- Final Cover System throughout Reporting Period
- Site-Wide Inspection Checklist – November 19, 2012
- Cover System and Vapor Barrier System Checklist – November 19, 2012
- Photolog - November 19, 2012
- Site-Wide Inspection Checklist – December 16, 2013
- Cover System and Vapor Barrier System Checklist – December 16, 2013
- Site-Wide Inspection Checklist – December 22, 2014
- Cover System and Vapor Barrier System Checklist – December 22, 2014
- Photolog - December 22, 2014
- NYSDEC Institutional and Engineering Controls Certification Form

**NYSDEC LETTER APPROVING  
GROUNDWATER MONITORING TERMINATION  
AND 2010 PRR**

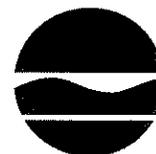
# New York State Department of Environmental Conservation

## Division of Environmental Remediation

Hunters Point Plaza, 47-40 21 St , Long Island City, New York 11101

Phone: (718) 482-6454 • Fax: 718-482-6358

Website: [www.dec.ny.gov](http://www.dec.ny.gov)



Joe Martens  
Commissioner

David Blumenfeld  
TIAGO PARKING HOLDINGS, LLC  
300 Robbins Lane  
Syosset, NY 11791

Re: Site Management (SM) Periodic Review Report (PRR) Response Letter  
East River Plaza, New York  
New York County, Site No.: C231045

Dear David Blumenfeld:

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for following period: 01/01/2010 to 12/31/2010.

The Department hereby accepts the PRR and associated Certification. The frequency of Periodic Reviews for this site is 1 year(s), your next PRR is due on June 13, 2012. You will receive a reminder letter and updated certification form 45-days prior to the due date.

Based on a review of the groundwater monitoring reports, the Department and New York State Department of Health concur with recommendation to terminate quarterly groundwater monitoring. Please provide modified sections of the SMP reflecting this change within 30 days of the date of this letter.

If you have any questions, or need additional forms, please contact me at 718-482-4905 or e-mail: [yywong@gw.dec.state.ny.us](mailto:yywong@gw.dec.state.ny.us).

Sincerely,

Bryan Wong  
Project Manager

ec: Jane O'Connell, Lou Oliva – NYSDEC  
Albert DeMarco – NYSDOH  
Stephanie Davis – FPM  
Rafaella Petrasek – Tiago Holdings, LLC  
James Rigano, Esq. – Certilman Balin Adler & Hyman, LLP

# ADDENDUM TO SMP JULY 28, 2011

FPM Group, Ltd.  
FPM Engineering Group, P.C.  
formerly Fanning, Phillips and Molnar

VIA MAIL AND EMAIL

CORPORATE HEADQUARTERS  
909 Marconi Avenue  
Ronkonkoma, NY 11779  
631/737-6200  
Fax 631/737-2410

July 28, 2011

Mr. Bryan Wong  
New York State Department of Environmental Conservation  
Division of Environmental Remediation, Region 2  
47-40 21<sup>st</sup> Street  
Long Island City, NY 11101-5407

Re: **Addendum to Site Management Plan**  
**East River Plaza, New York, NY**  
**NYSDEC #C231045**  
**FPM File No. 492-11-115**

Dear Mr. Wong:

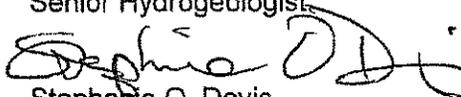
On behalf of Tiago Holdings, LLC, the property owner, FPM Group (FPM) is acknowledging the request in your June 29, 2011 correspondence to modify the Site Management Plan (SMP) for the above-referenced site to reflect New York State Department of Environmental Conservation (NYSDEC) approval of the termination of quarterly groundwater monitoring.

The affected portions of the SMP include Section 3.0 Monitoring Plan and Section 4.0 Operation and Maintenance Plan. These portions of the SMP have been modified to reflect the termination of quarterly groundwater monitoring and the change in frequency of groundwater monitoring well inspections, as shown on the attached revised sections. Please note that the recent revisions and previous revisions are denoted in italics in these sections. These revisions will be implemented immediately.

Please confirm that the revised SMP sections are approved by the NYSDEC. If you have any comments or questions, please do not hesitate to contact us at (631) 737-6200.

Very truly yours,

Ben T. Cancemi  
Senior Hydrogeologist



Stephanie O. Davis  
Senior Hydrogeologist  
Department Manager

SOD:tac  
Attachments

cc: Gary Litwin, NYSDOH  
Raffaella Petrasek, Tiago Holdings

Greg Lowe, Tiago Holdings  
James Rigano, Esq.

***SITE MANAGEMENT PLAN  
EAST RIVER PLAZA, C231045  
DECEMBER 2007***

***Revised: August 2009 (low-flow sampling procedures)***

***July 2011 (termination of groundwater monitoring, vapor barrier system monitoring)***

### **3.0 MONITORING PLAN**

#### **3.1 INTRODUCTION**

##### **3.1.1 General**

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the implemented ECs in reducing or mitigating contamination at the Site. ECs at the Site include a composite cover system and vapor barrier. This Monitoring Plan is subject to revision by NYSDEC.

##### **3.1.2 Purpose**

This Monitoring Plan describes the methods to be used for:

- Sampling and analysis of groundwater;
- Evaluating Site information periodically to confirm that the remedy continues to be effective as per the design; and
- Preparing the necessary reports for the various monitoring activities.
- Assessing compliance with NYSDEC groundwater standards and Track 4 SCOs for soil;
- Assessing achievement of the remedial performance criteria.

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

- Sampling locations, protocol, and frequency;
- Information on all designed monitoring systems (e.g., well logs);
- Analytical sampling program requirements;
- Reporting requirements;
- Quality Assurance/Quality Control (QA/QC) requirements;

- Inspection and maintenance requirements for monitoring wells;
- Monitor well decommissioning procedures; and
- Annual inspection and certification.

Quarterly groundwater monitoring of the performance of the remedy and overall reduction in contamination on-Site will be conducted for the first year. Frequency thereafter will be determined by NYSDEC. *The NYSDEC approved the termination of quarterly groundwater monitoring on June 29, 2011.* Trends in contaminant levels in groundwater in the affected areas will be evaluated to determine if the remedy continues to be effective in achieving remedial goals. The monitoring program is summarized in Table 3.1.2.1 and outlined in detail in Sections 3.2 through 3.3 below.

**Table 3.1.2.1: Monitoring/Inspection Schedule**

Monitoring Program	Frequency*	Matrix	Analysis
Groundwater**	Quarterly, first year	Groundwater	TCL VOCs, TCL BN SVOCs, TAL metals
Cover	Annual	Cover	-
Vapor Barrier	Annual	Vapor Barrier	-

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

\*\* *The NYSDEC approved the termination of quarterly groundwater monitoring on June 29, 2011.*

## 3.2 ENGINEERING CONTROL SYSTEM MONITORING

### 3.2.1 Composite Cover System

Exposure to residual contaminated soils is prevented by an engineered, composite cover system that has been built on the Site and is undergoing modification during Site development. This composite cover system is comprised of cover gravel with a Mirafi fabric demarcation layer that was installed in November 2006. Following the completion of Site redevelopment, the cover system will consist of asphalt and concrete covered roads, concrete covered sidewalks, and concrete building slabs. The Pavement Plan in Appendix P shows the NYSDEC-approved design for the final composite cover to be used on this Site. An as-built survey in Appendix P shows the location of the current cover system built at the Site.

### **3.2.1.1 Cover System Monitoring Schedule**

The cover will be inspected daily during its modification by an environmental professional. Following final modification, the cover will be inspected annually at a minimum and whenever site activities with the potential to breach the cover are conducted.

Inspection frequency is subject to change by NYSDEC and NYSDOH. Unscheduled inspections and/or sampling may take place when a suspected failure of the composite cover system has been reported or an emergency occurs that is deemed likely to affect the operation of the system. Monitoring deliverables for the composite cover system are specified later in this Plan.

### **3.2.1.2 Cover System General Equipment Monitoring**

A visual inspection of the complete final cover system will be conducted during the monitoring event. Cover system components to be monitored include, but are not limited to, the following:

- Gravel thickness and continuity
- Nature of gravel materials
- Asphalt continuity and condition
- Concrete continuity and condition

A complete list of components to be checked is provided in the Cover System and Vapor Barrier System Inspection Checklist, presented in Attachment 5. If any portions of the system are not performing within specifications, maintenance and repair as per the Operation and Maintenance Plan are required immediately.

### **3.2.2 Vapor Barrier System**

The sub-grade portions of the building (slab and foundation walls) are being provided with a barrier and seal system for water proofing purposes during the development phase of this project. This barrier and seal system will also function as a vapor barrier. The design for this project includes a water-tight basement slab and wall system designed in accordance with Federal Emergency Management Agency (FEMA) flood levels. This will be accomplished by providing a positive side waterproofing membrane beneath the slab, pile caps, and elevator pits using a sheet membrane waterproofing material. The foundation walls will also be waterproofed using a similar sheet membrane waterproofing material applicable for walls. Penetrations through the slab and/or wall for pipes and duct banks will be detailed in accordance with approved manufacturer's details. The waterproofing elements to be used are specified in the

construction contract documents; copies of pertinent portions of these documents are included in Appendix Q and placement of these materials is shown on the typical foundation detail plan in Appendix Q.

### **3.2.2.1 Monitoring Schedule**

The vapor barrier components are inspected daily during installation by a construction professional. Following building construction, the vapor barrier system will be inspected annually at a minimum and whenever site activities with the potential to breach the vapor barrier are conducted.

Inspection frequency is subject to change by NYSDEC and NYSDOH. Unscheduled inspections and/or sampling may take place when a suspected failure of the vapor barrier system has been reported or an emergency occurs that is deemed likely to affect the operation of the system. Sampling will be conducted in the event that basement space is contemplated to be used for retail purposes. Monitoring deliverables for the vapor barrier system are specified later in this Plan.

### **3.2.2.2 Vapor Barrier General Equipment Monitoring**

A visual inspection of the complete vapor barrier system will be conducted during the monitoring event. It should be noted that the vapor barrier system is installed beneath the concrete cover, where it is inaccessible and not visible. Therefore, monitoring of the vapor barrier system is contingent on monitoring of the concrete cover components. Vapor barrier system monitoring will include the following:

- Concrete continuity and condition

A complete list of components to be checked is provided in the Cover System and Vapor Barrier System Inspection Checklist, presented in Attachment 5. If any portions of the system are not performing within specifications, maintenance and repair as per the Operation and Maintenance Plan are required immediately.

### **3.2.2.3 Vapor Barrier System Sampling**

The sub-grade areas of the site building are planned to be used for parking, mechanical equipment, and storage. If retail use is contemplated for a portion of the sub-grade area, then indoor air sampling will be performed for the retail space. Prior to retail use, a sampling plan will be developed and submitted to the NYSDEC and NYSDOH for their approval. The sampling plan will include the following provisions:

- Indoor air sampling to be performed in accordance with NYSDEC and/or NYSDOH guidance;
- Sampling duration will be comparable to potential exposure duration (e.g. 8-hour to 24-hour samples);
- The HVAC system for the retail space would be operated in the same manner as when the retail space is occupied; and
- Samples will be collected using methods and equipment in accordance with NYSDEC/NYSDOH guidance and analyzed by a NYSDOH ELAP-approved laboratory in accordance with approved methods; and
- Sample results will be reported in an interim report and/or in the Annual Site Management Report for the time that the sampling is performed.

Following NYSDEC and NYSDOH approval of the sampling plan, the sampling will be conducted and reported in accordance with the plan.

*Vapor barrier system monitoring was conducted in 2010 for two sub-grade spaces that were targeted for retail use. Sampling was conducted in accordance with a NYSDEC and NYSDOH-approved Indoor Air Sampling Work Plan. The results were reported in the Site Management Periodic Review Report for 2010 and indicated that there is no concern for indoor air quality in the retail warehouse space and that tetrachloroethene (PCE) detected in indoor air in the retail kennel space resulted from construction activities. This PCE was confirmed to have dissipated below the NYSDOH air guideline value by December 2010.*

*The vapor barrier system monitoring results show no concerns for soil vapor intrusion, which is consistent with previous soil vapor, soil, and groundwater monitoring data, all of which show no concerns for soil vapor intrusion. As reported in the Site Management Periodic Review Report for 2010, no further vapor barrier system monitoring was indicated or recommended. The NYSDEC and NYSDOH agreed with this conclusion.*

### **3.3 GROUNDWATER MONITORING PROGRAM**

Groundwater monitoring will be performed on a regular basis to assess the performance of the remedy. *The NYSDEC approved the termination of the quarterly groundwater monitoring program on June 29, 2011.*

#### **3.3.1 Monitoring System Design**

The network of monitoring wells is designed to monitor both up-gradient and down-gradient groundwater conditions at the Site. The network of on-Site wells has been located in

the downgradient vicinity of the former area of petroleum-impacted soil, the downgradient vicinity of the former area of metals-impacted soil, and at upgradient locations. These wells include MW-8 through MW-14, as shown on the Site Plan in Appendix N. These wells are installed approximately five feet into the water table aquifer and a portion of each well screen spans the water table surface. Groundwater flow is toward the Harlem River to the east. It should be noted that historic Site wells M-1 through M-7 were lost prior to or during Site demolition activities. These wells no longer exist and, therefore, cannot be monitored.

A groundwater sampling matrix is shown in Table 3.3.1.1 and indicates the wells to be sampled, the rationale for sampling, the types of sample containers, preservatives, and handling, the analyses to be performed, and the laboratory deliverables. This sampling matrix will be used to guide groundwater sampling activities in the field and will be adjusted as necessary as wells are removed from the monitoring program. *Please note that termination of the groundwater monitoring program was approved by the NYSDEC on June 29, 2011.*

### **3.3.2 Groundwater Well Construction**

Well installation procedures and well construction are documented in the FER. Copies of the well installation logs are also included in Appendix R herein.

### **3.3.3 Monitoring Schedule**

Quarterly groundwater monitoring will be performed on wells M-8 through M-14 for the first year. Following the initial two monitoring events, if it is determined that the quality of ambient groundwater migrating onto the Site has been established, a request may be made to the NYSDEC to abandon upgradient wells. No wells will be abandoned without NYSDEC approval. Quarterly monitoring will be performed at the downgradient wells to confirm groundwater conditions following remediation. Following evaluation of post-remediation groundwater quality, a request may be made to the NYSDEC to abandon the downgradient monitoring wells. No wells will be abandoned without NYSDEC approval.

The sampling frequency may be modified by NYSDEC. The SMP will be modified to reflect changes in sampling plans approved by NYSDEC. Deliverables for the groundwater-monitoring program are specified below.

*The Site Management Periodic Review Report for 2010 documented that no Site-related groundwater impacts had been observed downgradient of a former area of petroleum-impacted soil for three years and that groundwater conditions at all Site wells were consistent with ambient groundwater conditions in the Site vicinity. Termination of quarterly groundwater monitoring was requested and was approved by the NYSDEC on June 29, 2011.*

### 3.3.4 Sampling Event Protocol

All well sampling activities will be recorded in a field book and a groundwater sampling log presented in Attachment 6. Other observations (e.g., well integrity, etc.) will be noted on the well sampling log. The well sampling log will serve as the inspection form for the groundwater monitoring well network.

During the initial sampling event under this SMP, or at any time a replacement monitoring well is installed, the top of casing elevation shall be surveyed to the nearest 0.01 foot such that an elevation reference point for each well is established.

*Well purging and sampling procedures will conform to USEPA low-flow groundwater sampling procedures (EPA/540/S-95/504, April 1996). At each well to be sampled, the depth to the static water level and the depth to any non-aqueous-phase liquids (petroleum) will be measured using an interface probe. The probe will be carefully inserted and withdrawn so as to least disturb the water in the well. The depth of the well will be confirmed after sampling is complete. Any well(s) exhibiting free-phase petroleum will not be sampled. A decontaminated low-flow pump with dedicated tubing will then be used to purge the well at a rate of up to 0.5 liters per minute (<0.13 gallon per minute). The pump will be installed with the intake at the desired sampling point (within the screen interval). The depth to water will be monitored during purging and the flow rate will be adjusted so as to result in minimal drawdown (<0.1 meter or <0.33 feet). Water quality parameters, including pH, turbidity, specific conductivity, and temperature, will be monitored using an in-line meter during purging at a frequency of once every three to five minutes. When all parameters have stabilized for three successive readings, the well will be sampled.*

Well sampling forms documenting the well purging and sampling procedures will be completed and provided in the Annual Site Management Report. During well purging, groundwater will be disposed in accordance with the discharge permit(s) for the Site.

*Following purging, the in-line monitoring meter will be removed and the groundwater samples will be collected directly from the pump tubing. As per the USEPA low-flow sampling procedures, sample filtration to remove excess turbidity, if necessary due to turbidity levels exceeding 50 NTU, will be performed using an in-line 0.45  $\mu\text{m}$  filter. The retrieved samples will be placed directly into laboratory-supplied sample containers. A groundwater sampling matrix is shown in Table 3.3.1.1 and indicates the wells to be sampled, the rationale for sampling, the types of sample containers, preservatives, and handling, the analyses to be performed, and the laboratory deliverables. This sampling matrix will be used to guide groundwater sampling*

*activities in the field and will be adjusted as necessary as wells are removed from the monitoring program.*

Groundwater monitoring procedures and results will be reported in the Annual Site Management Report. This report shall include a groundwater flow direction map developed from the well elevations and depth-to-water measurements.

All non-disposable downhole sampling equipment will be decontaminated by washing in a potable water and Alconox solution and rinsing in potable water prior to use at each location to reduce the potential for cross-contamination. All sampling equipment will be either dedicated disposable equipment or will be decontaminated prior to use at each location. The decontamination procedures utilized for all non-disposable sampling equipment will be as follows:

- The equipment will be scrubbed in a bath of potable water and low-phosphate detergent;
- The equipment will then be rinsed with potable water; and
- The equipment will be allowed to air dry, if feasible, and wrapped for storage and transportation.

In the event that petroleum or other materials are encountered that may not be amenable to decontamination with water-based decontamination fluids, then lab-grade methanol and/or hexane may be utilized as necessary to properly decontaminate the equipment. Use of methanol and/or hexane will be documented in the field logbook.

All samples will be consistently identified in all field documentation, chain-of-custody documents and laboratory reports using an alphanumeric code. The designation "MS" will be added at the end of the designation for matrix spike/matrix spike duplicate samples. The field duplicate samples will be labeled with a dummy sample location to ensure that they are submitted as blind samples to the laboratory. The dummy identification will consist of the sample type followed by a letter. Trip blanks and field blanks will be identified with "TB" and "FB", respectively.

All sample containers will be provided with labels containing the following information:

- Project identification
- Sample identification
- Date and time of collection
- Analyses to be performed

- Sampler's initials

Once the groundwater samples are collected and labeled, they will be placed in ice-filled coolers and stored in a cool area away from direct sunlight to await shipment to the laboratory. The completed COC form will accompany the cooler. Samples will be shipped overnight (e.g., via Federal Express) or transported by a laboratory courier. All coolers shipped to the laboratory will be sealed with mailing tape and a COC seal to ensure that the coolers remain sealed during delivery.

Field personnel will be responsible for maintaining the sample coolers in a secured location until they are delivered to the laboratory. The record of possession of samples from the time they are obtained in the field to the time they are delivered to the laboratory or shipped off-site will be documented on COC forms. The COC forms will contain the following information: project name; names of sampling personnel; sample number; date and time of collection and matrix; and signatures of individuals involved in sample transfer, and the dates and times of transfers. Laboratory personnel will note the condition of the custody seal at sample check-in.

All groundwater samples collected during monitoring activities will be analyzed using the most recent NYSDEC ASP. Analytical data will be submitted in complete ASP Category B data packages including documentation of laboratory QA/QC procedures that will provide legally defensible data in a court of law.

The laboratory proposed to perform the analyses will be certified through the NYSDOH ELAP to perform CLP analyses and Solid Waste and Hazardous Waste analytical testing on all media to be sampled.

Where appropriate, trip blanks, field blanks, field duplicates, and MS/MSD samples will be collected at a frequency of 5% (1 set of QA/QC samples per 20 field samples), and will be used to assess the quality of the data.

### **3.4 WELL REPLACEMENT/REPAIRS AND DECOMMISSIONING**

Repairs and/or replacement of wells in the monitoring well network will be performed based on assessments of structural integrity and overall performance. Well decommissioning, for the purpose of replacement, should be reported to NYSDEC prior to performance and in the annual report. Well decommissioning without replacement must receive prior approval by NYSDEC. Well abandonment will be performed in accordance with NYSDEC's "Groundwater Monitoring Well Decommissioning Procedures." Monitoring wells that are decommissioned because they have been rendered unusable will be reinstalled in the nearest available location, unless otherwise approved by the NYSDEC and NYSDOH.

### 3.5 SITE-WIDE INSPECTION

Site-wide inspections will be performed on a regular schedule at a minimum of once a year. Site-wide inspections should also be performed after all severe weather conditions that may affect Engineering Controls or monitoring devices. During these inspections, an inspection form will be completed (Attachment 7). 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;
- Compliance with permits and schedules included in the Operation and Maintenance Plan; and
- Confirm that Site records are up to date.

### 3.6 MONITORING QUALITY ASSURANCE/QUALITY CONTROL

All sampling and analyses will be performed in accordance with the requirements of the Quality Assurance Project Plan (QAPP) prepared for the Site (Attachment 8). 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;
- Data Reduction and Validation:
  - Data validation will be performed in accordance with the USEPA validation guidelines for organic and inorganic data review. Validation will include the following:
    - Verification of 100% of all QC sample results (both qualitative and quantitative);
    - Verification of the identification of 100% of all sample results (both positive hits and non-detects);
    - Recalculation of 10% of all investigative sample results; and
    - 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.

### **3.7 MONITORING REPORTING REQUIREMENTS**

Forms and any other information generated during regular monitoring events and inspections will be kept on file with the Remedial Engineer. All forms, and other relevant reporting formats used during the monitoring/inspection events, will be (1) subject to approval by NYSDEC and (2) submitted at the time of the Annual Site Management Report, as specified in the Reporting Plan of the SMP.

All monitoring results will be reported to NYSDEC on an Annual basis in the Site Management Report. A report or letter will be prepared for submission, if required by NYSDEC, subsequent to each sampling event. The report (or letter) will include, at a minimum:

- Date of event;
- Personnel conducting sampling;
- Description of the activities performed;
- 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 (also to be submitted electronically in the NYSDEC-identified format);
- A copy of the laboratory certification;
- Any observations, conclusions, or recommendations; and
- A determination as to whether plume conditions have changed since the last reporting event.

Data will be reported in hard copy or digital format as determined by NYSDEC. A summary of the monitoring program deliverables are summarized in Table 3.7.1 below.

**Table 3.7.1: Monitoring/Inspection Deliverables**

Task	Frequency*	Annual Reporting Requirement
Groundwater Monitoring**	Quarterly**	X**
Cover System Inspection	Annual	X
Vapor Barrier Inspection	Annual	X
Site-Wide Inspection	Annual, and after emergencies	X

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

\*\* The NYSDEC approved the termination of quarterly groundwater monitoring on June 29, 2011.

### **3.8 CERTIFICATIONS**

Site inspections and sampling activities will take place as outlined above. Frequency of inspection is subject to change by NYSDEC. Inspection certification for all ICs and ECs will be submitted to NYSDEC on a calendar year basis and must be submitted by March 1 of the following year. A qualified environmental professional, as determined by NYSDEC, will perform inspection and certification. Further information on the certification requirements are outlined in the Reporting Plan of the SMP.

# ***SITE MANAGEMENT PLAN***

## ***EAST RIVER PLAZA, C231045***

***Revised: July 2011 (termination of groundwater monitoring, implementation of annual well inspections)***

### **4.0 OPERATION AND MAINTENANCE PLAN**

#### **4.1 INTRODUCTION**

An Operation and Maintenance Plan describes the measures necessary to operate and maintain any mechanical components of the remedy selected for the Site (i.e., sub-slab depressurization systems, air sparge/soil vapor extraction systems). An Operation and Maintenance Plan:

- Includes the steps necessary to allow individuals unfamiliar with the Site to operate and maintain the systems;
- Includes an operation and maintenance contingency plan; and,
- Will be updated periodically to reflect changes in Site conditions or the manner in which the systems are operated and maintained.

There are no mechanical remedial systems requiring operation or maintenance at the East River Plaza Site. However, the Site has groundwater monitoring wells that may require periodic maintenance. This Operation and Maintenance Plan describes the measures necessary to operate and maintain this monitoring well network.

Information on the non-mechanical Engineering Controls installed at this Site (i.e. composite cover and vapor barrier) can be found in Section 3 - Engineering and Institutional Control Plan.

#### **4.2 GROUNDWATER MONITORING WELL MAINTENANCE**

The groundwater monitoring wells will *initially* be inspected on a quarterly basis. *On June 29, 2011 the NYSDEC approved termination of quarterly groundwater monitoring. Thereafter, the groundwater monitoring wells will be inspected on an annual basis in conjunction with the Site-wide inspection.* Inspection will consist of lowering a weighted measuring tape to the bottom of the well to ensure that it has not been filled in with silt, and a visual assessment of the well casing, cap, and protective standpipe. Any minor damage (e.g., missing well cap, cracked riser) will be repaired and documented.

If biofouling or silt accumulation has occurred in the on-Site monitoring wells, the wells will be physically agitated/surged and redeveloped *prior to any sampling*. Additionally, monitoring wells will be properly decommissioned and replaced (as per Section 3.4 of the Monitoring Plan), if an event renders the wells unusable. If a replacement well is installed, the elevation of the top of the casing shall be surveyed to the nearest 0.01 foot.

#### **4.3 MAINTENANCE REPORTING REQUIREMENTS**

Maintenance reports and any other information generated during regular operations at the Site will be kept on-file at the office of the Remedial Engineer. Duplicates of certain information may be maintained onsite if relevant for site operation. All reports, forms, and other relevant information generated will be available upon request to the NYSDEC and submitted as part of the Annual Site Management Report, as specified in the Section 5 of this SMP.

##### **4.3.1 Routine Maintenance Reports**

Checklists or forms (see Attachment 6) will be completed during each routine well maintenance event. Checklists/forms will include, but not be limited to the following information:

- Date;
- Name, company, and position of person(s) conducting maintenance activities;
- Maintenance activities conducted;
- 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).

##### **4.3.2 Non-Routine Maintenance Reports**

During each non-routine maintenance event, a form will be completed which will include, but not be limited to, the following information:

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

- Resolution of non-routine maintenance/repair;
- 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).

#### 4.4 CONTINGENCY PLAN

Emergencies may include injury to personnel, fire or explosion, environmental release, or serious weather conditions. Emergencies that may occur during groundwater monitoring or associated maintenance events will be managed in accordance with the procedures outlined below.

##### 4.4.1 Emergency Telephone Numbers

In the event of any environmentally related situation or unplanned occurrence requiring assistance, the Owner or Owner’s representative(s) should contact the appropriate party from the contact list below. For emergencies, appropriate emergency response personnel should be contacted. Prompt contact should also be made to the Remedial Engineer, as shown below. These emergency contact lists must be maintained in an easily accessible location at the Site.

**Table 4.4.1.1: Emergency Contact Numbers**

Medical, Fire, and Police:	911
One Call Center:	(800) 272-4480 (3 day notice required for utility markout)
Poison Control Center:	(800) 222-1222
Pollution Toxic Chemical Oil Spills:	(800) 424-8802
NYSDEC Spills Hotline	(800) 457-7362
Stephanie Davis, FPM Group Project Manager	(631) 737-6200, ext. 228
<i>Bryan Wong</i> , NYSDEC Project Manager	<i>(718) 482-4905 (office)</i>

**\*Note:** Contact numbers are subject to change and will be updated as necessary and, at a minimum, in the Annual Site Management Report.

#### 4.4.2 Map and Directions to Nearest Health Facility

Site Location: East River Plaza, 527 East 118<sup>th</sup> Street, New York, NY

Nearest Hospital Name: Metropolitan Hospital

Hospital Location: East 97<sup>th</sup> Street, between First and Second Avenues

Hospital Telephone: (212) 423-6166 (emergency room)

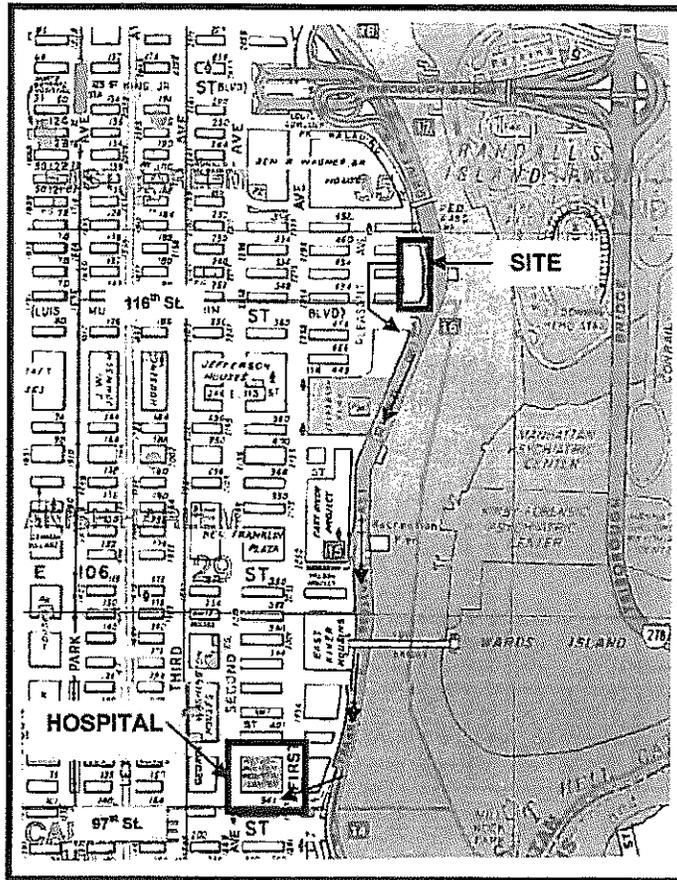
Directions to the Hospital:

1. Travel west from the Site to Pleasant Avenue and turn Left.
2. Travel south on Pleasant Avenue to East 116<sup>th</sup> Street and turn Left.
3. Travel east on East 16<sup>th</sup> Street to southbound FDR Drive, turn Right onto FDR Drive.
4. Travel south on the FDR Drive to 97<sup>th</sup> Street. Exit FDR Drive at 97<sup>th</sup> Street.
5. Travel one-half block west on 97<sup>th</sup> Street to the Emergency Room entrance.

Total Distance: approximately one-half mile.

Total Estimated Time: approximately five minutes.

**Map Showing Route from the Site to the Hospital:**



### 4.4.3 Response Procedures

#### 4.4.3.1 Emergency Contacts/Notification System

As appropriate, the fire department and other emergency response groups will be notified immediately by telephone of the emergency. The emergency telephone number list is found at the beginning of this Contingency Plan (Table 4.4.1.1). The list is also posted prominently at the Site and made readily available to all personnel at all times.

If a petroleum spill occurs on the Site the following procedures will be implemented:

- Spill reporting to the NYSDEC Spill Hotline (800-457-7362) will be conducted as necessary;
- The petroleum will be contained and removed from the Site surface by a petroleum remediation contractor in accordance with federal, state and local regulations;
- If Site soil is affected, then grossly contaminated soil will be excavated, stockpiled, and managed in accordance with the procedures presented in the Contingency Plan in Section 2.3.2.11;

Copies of correspondence with disposal facilities concerning classification of materials, testing results, and permits/approvals will be maintained by the project manager and will be submitted to the NYSDEC as part of a close-out report, as described in Section 5.

This Contingency Plan may be amended if Site conditions change. Amendments to the Contingency Plan will be made as needed and approved by the NYSDEC and will be included in the Annual Site Management Report.

# NYSDEC LETTER APPROVING SMP ADDENDUM

# New York State Department of Environmental Conservation

## Division of Environmental Remediation

Hunters Point Plaza, 47-40 21<sup>st</sup> St, Long Island City, NY 11101

Phone: (718) 482-6454 • Fax: 718-482-6358

Website: [www.dec.ny.gov](http://www.dec.ny.gov)



Joe Martens  
Commissioner

August 18, 2011

Stephanie O. Davis  
Senior Hydrogeologist  
FPM Group Engineering and Environmental Science  
909 Marconi Avenue  
Ronkonkoma, NY 11779

Re: Modification to Site Management Plan  
East River Plaza, New York  
New York County, Site No.: C231045

Dear Ms. Davis:

The New York State Department of Environmental Conservation, in consultation with New York State Department of Health, has reviewed your letter dated July 28, 2011 regarding modifications to the approved Site Management Plan (SMP). Based on the review, the modification to the SMP is hereby approved.

Please place a copy of the updated SMP in the document repository, including an updated cover page documenting the revision. Only the most updated version of the SMP should be in the repository. Please provide certification that the repository has been populated with the updated SMP, and include a copy of the revised cover page for our file.

If you have any questions, or need additional forms, please contact me at 718-482-4905 or e-mail: [yywong@gw.dec.state.ny.us](mailto:yywong@gw.dec.state.ny.us).

Sincerely,

Bryan Wong  
Project Manager

cc: J. O'Connell, L. Oliva – NYSDEC  
A. DeMarco – NYSDOH  
D. Blumenfeld – Tiago Development, LLC  
J. Rigano, Esq. – Certilman Balin Adler & Hyman, LLP

# FINAL COVER SYSTEM THROUGHOUT REPORTING PERIOD



**GREENBERG FARROW  
ASSOCIATES, INC.**  
PLANNING

440 W. 10th St., Suite 1000  
Des Moines, IA 50319  
Tel: 515.281.1539  
Fax: 515.281.1538

**OWNER:** GREENBERG FARROW ASSOCIATES, INC.  
**PROJECT:** EAST RIVER PLAZA  
**DATE:** 12/24/2011

**DESIGNER:** GREENBERG FARROW ASSOCIATES, INC.  
**DATE:** 12/24/2011

**PROJECT MANAGER:** JAMES B. FARROW  
**DATE:** 12/24/2011

**ARCHITECT:** VOLKHOFF & BUCHER  
**DATE:** 12/24/2011

**ENGINEER:** JAMES B. FARROW  
**DATE:** 12/24/2011

**LANDSCAPE ARCHITECT:** PAUL HARRIS & ASSOCIATES  
**DATE:** 12/24/2011

**PLANNING:** GREENBERG FARROW ASSOCIATES, INC.  
**DATE:** 12/24/2011

**CONTRACT NO.:** 11-00000000000000000000  
**DATE:** 12/24/2011

**PROJECT NO.:** 11-00000000000000000000  
**DATE:** 12/24/2011

**PROJECT NAME:** EAST RIVER PLAZA  
**DATE:** 12/24/2011

**PROJECT LOCATION:** 11th Street & East River Plaza  
**DATE:** 12/24/2011

**PROJECT OWNER:** GREENBERG FARROW ASSOCIATES, INC.  
**DATE:** 12/24/2011

**PROJECT MANAGER:** JAMES B. FARROW  
**DATE:** 12/24/2011

**PROJECT ARCHITECT:** VOLKHOFF & BUCHER  
**DATE:** 12/24/2011

**PROJECT ENGINEER:** JAMES B. FARROW  
**DATE:** 12/24/2011

**PROJECT LANDSCAPE ARCHITECT:** PAUL HARRIS & ASSOCIATES  
**DATE:** 12/24/2011

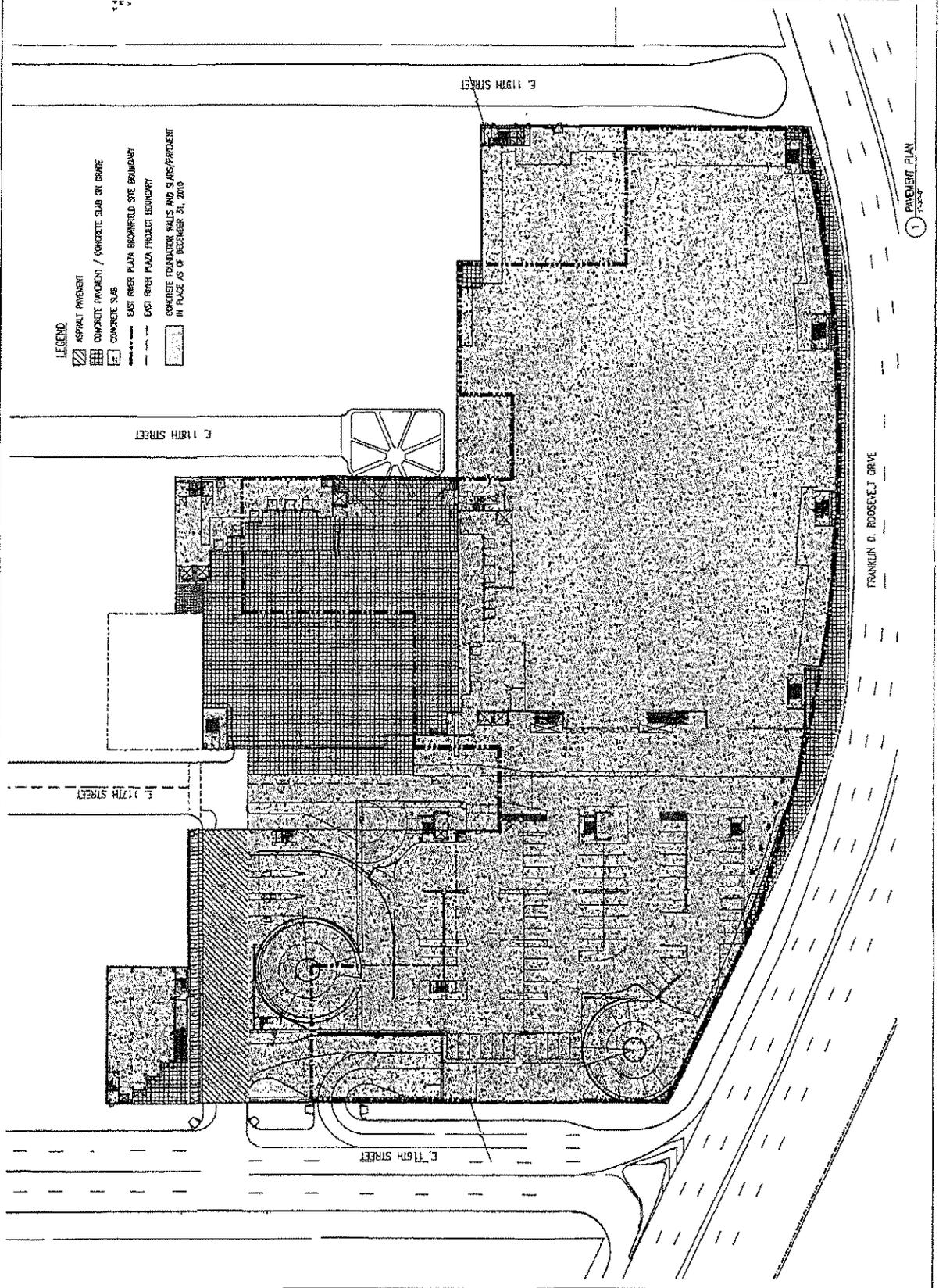
**PROJECT PLANNING:** GREENBERG FARROW ASSOCIATES, INC.  
**DATE:** 12/24/2011

**PROJECT NO.:** 11-00000000000000000000  
**DATE:** 12/24/2011

**PROJECT NAME:** EAST RIVER PLAZA  
**DATE:** 12/24/2011

**PROJECT LOCATION:** 11th Street & East River Plaza  
**DATE:** 12/24/2011

**PROJECT OWNER:** GREENBERG FARROW ASSOCIATES, INC.  
**DATE:** 12/24/2011



**LEGEND**

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT / CONCRETE SLAB ON GRADE
- CONCRETE SLAB
- EAST RIVER PLAZA BROWNFIELD SITE BOUNDARY
- EAST RIVER PLAZA PROJECT BOUNDARY
- CONCRETE FOUNDATION WALLS AND SLABS/PAVED IN PLACE AS OF DECEMBER 31, 2010

1 PAVEMENT PLAN

**SITE-WIDE INSPECTION CHECKLIST**  
**NOVEMBER 19, 2012**

**Site-Wide Inspection List  
East River Plaza  
East Harlem, Manhattan, New York**

**Date of Inspection: November 19, 2012**

Site-wide inspections will be performed annually, at a minimum. A site-wide inspection shall also be performed after severe events that may affect the Engineering Controls (ECs) or monitoring wells.

The following inspection form shall be completed during each site-wide inspection. Supporting documentation shall be attached, as necessary. The completed site-wide inspection checklist and supporting documentation shall be included in the associated Annual Site Management Report.

**Compliance with Institutional Controls**

Institutional Controls (ICs) are required under the Remedial Work Plan to: (1) implement, maintain and monitor EC systems; (2) prevent future exposure to residual contamination by controlling disturbances of the subsurface materials; and, (3) restrict the use of the Site to commercial and restricted residential uses only. Adherence to these ICs on the Site (Controlled Property) is required under the Environmental Easement. These ICs are described in Section 2.3 of the Site Management Plan. Please complete the following checklist to confirm compliance with the Site ICs:

- The Controlled Property may be used for commercial use. Confirm whether commercial use is occurring: Commercial use of the property occurred throughout the reporting period.
- The Controlled Property may be used for restricted residential use only above the first floor. Confirm the current locations of residential use: No residential use occurred during the reporting period. The Site development is consistent with future residential use only above the first floor.
- All Engineering Controls (cover system and vapor barrier system) must be operated and maintained as specified in the Site Management Plan for the Controlled Property.

Confirm operation and maintenance of ECs and attach checklists: Throughout the reporting period the cover system and vapor barrier system were completely installed. No penetrations of these systems occurred during the reporting period. The completed EC checklist is attached.

- Annual inspections and certifications must be conducted in accordance with the Site Management Plan. Confirm compliance with annual inspections and certifications: The annual inspections, including the cover system inspection, vapor barrier inspection, and site-wide inspection, were completed. The annual certification is included in the Site Management Periodic Review Report (PRR).
- Groundwater and other environmental or public health monitoring, and reporting of information thus obtained, must be performed in a manner specified in the Site Management Plan (SMP). Confirm that the required monitoring and reporting are in accordance with the SMP: Groundwater monitoring and periodic public health monitoring (i.e. vapors, dust, noise during intrusive activities) are conducted in accordance with the SMP. Groundwater monitoring is reported in the PRR. No periodic public health monitoring occurred during the reporting period as no intrusive activities occurred in the period.
- Onsite environmental monitoring devices, including but not limited to groundwater monitoring wells, will be protected and replaced as necessary to ensure continued functioning in the manner specified in the Site Management Plan. Confirm that monitoring devices have been protected and/or replaced: All environmental monitoring devices have been maintained in accordance with the SMP and are protected. The monitoring wells were observed during the site-wide inspection and no issues were noted.
- Vegetable gardens are prohibited. Confirm the absence of vegetable gardens: There are no vegetable gardens onsite.
- All soil disturbance activities that will impact residual contaminated material, including building renovation/expansion, subgrade utility line repair/relocation, and new construction must be conducted in accordance with the NYSDEC-approved Site

Management Plan. Confirm that these activities are in compliance with the SMP: No soil disturbance activities occurred during the reporting period.

- Use of the groundwater underlying the Controlled Property is prohibited without treatment rendering it safe for the intended purpose. Confirm that groundwater use has not occurred: No use of the groundwater underlying the Site has occurred.
- The Controlled Property may not be used for a higher level of use, such as unrestricted use, and the above-stated engineering controls may not be discontinued without proper notification of the NYSDEC of the change and approval of that use by the NYSDEC, and an amendment of the Site Management Plan approved by the NYSDEC. Confirm continued compliance with the Environmental Easement: The Site is in compliance with the use restrictions and engineering controls in the Environmental Easement.
- Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

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

Confirm that property deed and all subsequent instruments of conveyance are in compliance: The property deed and instruments of conveyance are in compliance with the Environmental Easement. A statement from the Site owner (Grantor) to this effect is attached.

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

incorporate or reference the Environmental Easement: The leases and other right-to-use documents for the Site incorporate or reference the Environmental Easement. A statement for the Site owner (Grantor) to this effect is attached.

- Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury that the controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls employed at the Controlled Property were approved by the NYSDEC, and that nothing has occurred that would impair the ability of such control to protect the public health and environment or constitute a violation or failure to comply with any Site Management Plan for such controls and giving access to such Controlled Property to evaluate continued maintenance of such controls. Confirm the submittal of the Certification Statement: The Certification Statement is included in this PRR.

### **Compliance with Engineering Controls**

Using the completed checklists from Attachment 5 of the Site Management Plan, provide a written evaluation of the condition and continued effectiveness of the ECs: The checklists in Attachment 5 of the SMP were completed and are attached. They document the following condition and effectiveness of the ECs:

- The final cover system EC was completed in 2009 in accordance with the Pavement Plan in the FER and remained in place throughout the reporting period. The cover system continues to minimize potential hazards to the safety and health of the public and is in compliance with the SMP.
- The vapor barrier system EC was completed in 2009 in coordination with the installation of the final elements of the cover system and remained in place throughout the reporting period. The vapor barrier system effectively minimizes potential hazards to the safety and health of the public.

## **General Site Conditions**

Provide a written description of the Site conditions at the time of the site-wide inspection. Attach digital photographs or other supporting information as needed: Each level of the above-grade Site building was occupied throughout the reporting period by a retail tenant. Retail tenants also occupied two sub-grade areas during the reporting period. A digital Photolog is attached showing conditions representative of the reporting period and at the time of the site-wide inspection.

## **Site Management Activities**

Provide a discussion and assessment of ongoing site management activities including, but not limited to, soil/materials management, groundwater monitoring, community air monitoring, nuisance control, well replacement/repair, health and safety monitoring, and other applicable and pertinent activities. Attach supporting documentation as necessary: No groundwater monitoring was conducted as groundwater monitoring was terminated 2011, as approved by the NYSDEC in June 2011. The monitoring wells remain present onsite; no repairs were required in the reporting period. No soil/materials management, community air monitoring, nuisance control or health and safety monitoring were conducted in the reporting period as no intrusive activities (below the Site cover) were conducted.

## **Compliance with Permits and Schedules**

The Operation and Maintenance Plan included in Section 4 of the Site Management Plan does not include any permit requirements but does include a schedule for groundwater monitoring well maintenance. Discuss compliance with the groundwater monitoring well maintenance schedule: The groundwater monitoring wells are checked during each monitoring event as per the SMP and were also checked during the Site-wide inspection. No maintenance was required to the monitoring wells during the reporting period.

## Site Records

The Site records include, but are not limited to, groundwater monitoring reports, EC inspection checklists, site-wide inspection checklists, soil management documents, community air monitoring documents, regulatory agency correspondence, reports, and the Annual Site Management PRR. Confirm that each type of Site record is up to date and provide comments: Each of the referenced documents that was applicable to activities during the reporting period has been kept up to date. Copies of the completed documents are included in the PRR.

## Inspector Information

Name and Affiliation of Inspector(s): Ben Cancemi, Senior Hydrogeologist, CPG;  
George Holmes, Hydrogeologist I, FPM Group.

Date of Inspection: November 19, 2012.

Reason for Inspection: Annual Site-Wide Inspection.

List additional inspections or activities conducted in association with this inspection: See Attachments.

## Attachments:

- Correspondence from Tiago (Site owner) regarding compliance of Site deed, leases, etc. with Environmental Easement.
- Cover System and Vapor Barrier System Inspection Checklist and supporting documents.
- Photolog.

S:\BDG\East River Plaza Brownfields\Summary Report 2010\App B Docs\Appb-Sitewideinspectchecklist.Doc

**TIAGO HOLDINGS, LLC  
300 ROBBINS LANE  
SYOSSET, NEW YORK 11791**

May 22, 2015

Mr. Yuk-Yin (Bryan) Wong  
New York State Department of Environmental Conservation  
Region 2 Office  
47-20 21<sup>st</sup> Street  
Long Island City, NY 11101

**Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal**

**Site Name: East River Plaza**  
**Site No.: C231045**  
**Site Address: FDR Drive between 116<sup>th</sup> & East 119<sup>th</sup> Streets**  
**New York, NY 10035**

Dear Mr. Wong:

I am writing in reference to the above-referenced project and reporting requirements relative to the leasing activity for the reporting period of May 14, 2012 through May 14, 2015. Pursuant to the Site Management Plan ("SMP"), Tiago Holdings, LLC ("Tiago") is required to report on annual leasing activity and confirm that all documents of conveyance entered into during the applicable period include the required language and reference to the Environmental Easement.

Tiago entered into four (4) leasing agreements during the reporting period of May 14, 2012 through May 14, 2015. One of the lease agreements was an assignment agreement entered into on June 1<sup>st</sup>, 2013 between Best Buy Stores, L.P., the previous tenant, and Burlington Coat Factory of New York, LLC, the current tenant. GameStop entered into an agreement with Tiago on March 3<sup>rd</sup>, 2014 to move to a new space within the center. In addition, Tiago entered into lease agreements with The Mount Sinai Hospital on February 26<sup>th</sup>, 2014 for 14,589 square feet and with Planet Fitness (East River Plaza Fitness Group, LLC) on February 26<sup>th</sup>, 2014 for 14,655 square feet.

I am attaching relevant pages from the lease to verify the execution date thereof and the inclusion of the required language. I have also attached a floor plan indicating the location of Planet

Site Management Periodic Review Report 2012 - 2015  
East River Plaza  
Brownfield Cleanup Agreement Index #W2-1068-05-06  
Site No. C231045

May 22, 2015  
Page 2

Fitness and Mount Sinai. Given the location of these tenants, no additional requirements are triggered under the SMP.

If you have any questions or concerns, please do not hesitate to contact Raffaella Petrsek at (516) 624-1973.

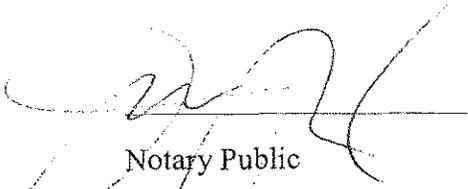
Very truly yours,



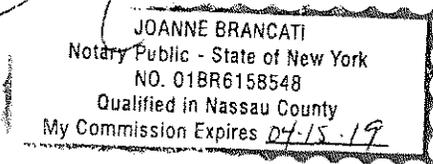
David Blumenfeld  
Tiago Holdings, LLC

Attachments

Sworn before me this <sup>22<sup>nd</sup></sup> day of May, 2015



Notary Public



**SHOPPING CENTER LEASE**

**by and between**

**Tiago Holdings, LLC**

**as Landlord**

**and**

**East River Plaza Fitness Group, LLC**

**as Tenant**

**Dated: as of February 26 2014**

**LOCATION:**

**Premises within the Shopping Center located  
at the intersection of the FDR Drive and 116th Street, New York, NY**

*Section 9.4. Landlord's Inspection and Cure Rights.*

Landlord and its agents shall have the right, but not the duty, to inspect the Premises upon reasonable prior notice to Tenant from time to time to determine whether Tenant is complying with the terms of this Article 9. If Tenant is not in compliance with this Article 9, Landlord shall have the right, but not the obligation, to immediately enter upon the Premises to remedy said noncompliance at Tenant's expense.

*Section 9.5. Environmental Easement.*

Tenant specifically acknowledges that **the Premises and the Shopping Center are subject to that certain Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law**, which was granted by Landlord in an instrument dated December 20, 2007 and recorded in New York County in CRFN 2007000625401 (the "Environmental Easement"). Landlord represents that Landlord's compliance with the requirements of the Brownfield Cleanup Agreement (as defined in the Environmental Easement) and the Site Management Plan (as defined in the Environmental Easement) (collectively, the "Environmental Agreements") will not interfere in any material respect with the operation of the Premises for the Fitness Facility as contemplated by this Lease. Tenant covenants and agrees that: (a) it shall not cause Landlord to be in default of the requirements of the Environmental Agreements; and (b) Tenant will comply with the provisions of the Environmental Agreements applicable to the Premises.

*Section 9.6. Landlord's Obligations.*

Subject to the Environmental Easement and the Environmental Agreements, Landlord shall not cause or permit any Hazardous Materials to be brought upon, kept, stored, utilized, disposed of or used in the Shopping Center by Landlord, its agents, employees or contractors (except for customary amounts of cleaning supplies used in the ordinary course of business and in compliance with all Requirements). If Hazardous Materials are discovered in the Shopping Center and require remediation under applicable Environmental Law and such contamination was caused by the acts or omissions of Landlord, its agents, employees or contractors, then Landlord, at its sole cost and expense, shall remove with reasonable due diligence the Hazardous Materials in accordance with applicable Requirements (the "Abatement Work") and repair or replace all improvements damaged by the Abatement Work. If Landlord breaches its obligations under this Article 9, or if the presence of Hazardous Materials in or on the Premises caused or permitted by Landlord, its agents, employees or contractors results in contamination of the Premises, then Landlord shall indemnify, defend and hold Tenant harmless from and against any and all claims, judgments, damages, penalties, fines, costs, liabilities or losses (including sums paid in settlement of claims, reasonable attorneys' fees and disbursements, consultant fees and expert fees) which arise during or after the Term as a result of such contamination. The indemnification of Tenant by Landlord herein includes costs incurred in connection with any investigation of site conditions or any clean-up, and any remedial, removal or restoration work required by any federal, state or local governmental agency or political subdivision because of Hazardous Materials present in or on the Premises for which Landlord is responsible hereunder.

**SHOPPING CENTER LEASE**

**by and between**

**Tiago Holdings, LLC**

**as Landlord**

**and**

**The Mount Sinai Hospital**

**as Tenant**

**Dated: as of February 26, 2014**

**LOCATION:**

**Premises within the Shopping Center located  
at the intersection of the FDR Drive and 116th Street, New York, NY**

restoration work required by any federal, state or local governmental agency or political subdivision because of Hazardous Materials present in or on the Premises for which Tenant is responsible hereunder. Without limiting the foregoing, if the presence of any Hazardous Materials in or on the Premises caused or permitted by Tenant Responsible Parties results in any contamination of the Premises, Tenant shall promptly take all actions as are necessary to return the Premises to the condition existing prior to the introduction of any such Hazardous Materials to the Premises; provided that Landlord's written approval of such actions shall first be obtained, which approval shall not be unreasonably withheld, conditioned or delayed.

(b) Landlord represents that, to its actual knowledge, (i) any handling, transportation, storage, treatment or use of Hazardous Materials that may have occurred with respect to the Shopping Center prior to the Commencement Date have been in compliance with applicable Environmental Laws, (ii) except as disclosed in environmental reports and/or audits obtained by Landlord with respect to the Shopping Center (copies of which will be available for inspection by Tenant following Tenant's written request therefor) or as disclosed in the Environmental Easement (and/or documentation referred to therein), no leak, spill, release, discharge, emission or disposal of Hazardous Materials has occurred on the Shopping Center prior to the Commencement Date and (iii) the Shopping Center is currently free of any Hazardous Materials that are not in compliance with applicable Environmental Laws.

#### Section 9.2. *Definitions.*

As used herein, the term "Hazardous Materials" means any substance or substances which are (i) defined under any Environmental Law (defined below) as a hazardous substance, hazardous waste, hazardous material, pollutant or contaminant, (ii) a petroleum hydrocarbon, including crude oil or any fraction thereof, (iii) hazardous, toxic, corrosive, flammable, explosive, infectious, radioactive, carcinogenic or a reproductive toxicant or (iv) otherwise regulated pursuant to any Environmental Law. The term "Environmental Law" shall mean all federal, state and local laws, statutes, ordinances, regulations, rules, judicial and administrative orders and decrees, permits, licenses, approvals, authorizations and similar requirements of all federal, state and local governmental agencies or other governmental authorities pertaining to the protection of human health and safety or the environment now existing or later adopted during the Term.

#### Section 9.3. *Survival of Obligations.*

The obligations of Tenant and Landlord under this Article 9 shall survive the Expiration Date and the Early Termination Date (if any).

#### Section 9.4. *Landlord's Inspection and Cure Rights.*

Landlord and its agents shall have the right, but not the duty, to inspect the Premises, during reasonable hours and upon reasonable prior notice to Tenant from time to time to determine whether Tenant is complying with the terms of this Article 9. If Tenant is not in compliance with this Article 9, Landlord shall have the right, but not the obligation, to immediately enter upon the Premises to remedy said noncompliance at Tenant's expense.

#### Section 9.5. *Environmental Easement.*

Tenant specifically acknowledges that **the Premises and the Shopping Center are subject to that certain Environmental Easement held by the New York State Department of Environmental Conservation pursuant to**

**Title 36 of Article 71 of the Environmental Conservation Law**, which was granted by Landlord in an instrument dated December 20, 2007 and recorded in New York County in CRFN 2007000625401 (the "Environmental Easement"). Landlord represents that Landlord's compliance with the requirements of the Brownfield Cleanup Agreement (as defined in the Environmental Easement) and the Site Management Plan (as defined in the Environmental Easement) (collectively, the "Environmental Agreements") will not interfere with the Permitted Use as contemplated by this Lease. Tenant covenants and agrees that, subject to Tenant's right to use the Premises for the Permitted Use: (a) it shall not cause Landlord to be in default of the requirements of the Environmental Agreements; and (b) Tenant will comply with the provisions of the Environmental Agreements applicable to the Premises.

Section 9.6. *Landlord's Obligations.*

(a) Subject to the Environmental Easement and the Environmental Agreements, Landlord shall not cause or permit any Hazardous Materials to be brought upon, kept, stored, utilized, disposed of or used in the Shopping Center by Landlord, its agents, employees or contractors (except for customary amounts of cleaning supplies used in the ordinary course of business and in compliance with all Requirements). If Hazardous Materials are discovered in the Shopping Center and require remediation under applicable Environmental Law, then Landlord shall remove or cause to be removed (at no expense to Tenant) with reasonable due diligence the Hazardous Materials in accordance with applicable Requirements (the "Abatement Work") and repair or replace all improvements damaged by the Abatement Work. If the presence of Hazardous Materials in or on the Premises caused or permitted by Landlord, its agents, employees or contractors results in contamination of the Premises, then Landlord shall indemnify, defend and hold Tenant harmless from and against any and all claims, judgments, damages, penalties, fines, costs, liabilities or losses (including sums paid in settlement of claims, reasonable attorneys' fees and disbursements, consultant fees and expert fees) which arise during or after the Term as a result of such contamination. The indemnification of Tenant by Landlord herein includes costs incurred in connection with any investigation of site conditions or any clean-up, and any remedial, removal or restoration work required by any federal, state or local governmental agency or political subdivision because of Hazardous Materials present in or on the Premises for which Landlord is responsible hereunder.

(b) In the event (i) Hazardous Materials are present at the Premises or the Shopping Center due to the acts of any party other than Tenant Responsible Parties, and/or future remediation work is required to remove and/or monitor the Hazardous Materials caused to be present by any party other than Tenant Responsible Parties, (ii) the presence, remediation and monitoring of such Hazardous Materials materially and adversely affects the operation of Tenant's business for in excess of seven (7) consecutive days (a "Hazardous Materials Event"), and (iii) Tenant has closed its business conducted at the Premises by reason of the Hazardous Materials Event, then upon thirty (30) days' prior written notice of such event to Landlord and Landlord's failure to correct the Hazardous Materials Event within such thirty (30)-day period (provided, however, that Landlord shall not be deemed to be in default if such correction is incapable of being cured within thirty (30) days, Landlord has commenced curing the same within the thirty (30)-day period, and thereafter diligently pursues the completion), Tenant shall have the right to abate Rent in full until the earlier of the date that (A) the Hazardous Materials Event is remediated or cured to the satisfaction of applicable governmental authorities, as documented by such authorities, or (B) Tenant reopens for business in the Premises.

**ARTICLE 10 - INTENTIONALLY OMITTED**

## ASSIGNMENT AND ASSUMPTION OF LEASE

FOR VALUE RECEIVED, BEST BUY STORES, L.P. ("Assignor"), a Virginia limited partnership having an address at 7601 Penn Avenue South, Richfield, MN 55423, does hereby assign, transfer and deliver unto BURLINGTON COAT FACTORY OF NEW YORK, LLC ("Assignee"), a New York limited liability company having an office at 1830 Route 130 North, Burlington, NJ 08016, all of its right, title and interest in and to that certain Lease dated as of November 7, 2006, as amended by a First Amendment to Lease dated as of February 9, 2010 (collectively, the "Lease"), pursuant to which Tiago Holdings, LLC ("Landlord") leased to Assignor and Assignor leased from Landlord certain premises located in the Shopping Center known as "East River Plaza" located at the intersection of the FDR Drive and 116th Street, New York, NY, as more particularly described in the Lease;

TO HAVE AND TO HOLD the same unto Assignee, its successors and assigns, forever, from and after the date hereof, subject to the terms, covenants, conditions and provisions of the Lease.

AND Assignee does hereby (a) accept the within assignment and (b) subject to the terms of the Assignment Agreement (as hereinafter defined), assume the performance of all the terms, covenants and conditions of the Lease on the part of the tenant which accrue from and after the date hereof.

1. This Assignment and Assumption of Lease is made without warranty or representation by Assignor and without recourse to Assignor in any manner whatsoever, express or implied, except as set forth in that certain Agreement of Assignment and Assumption of Lease dated as of June 1, 2013 by and between Landlord, Assignor, Assignee and Best Buy Co., Inc. (the "Assignment Agreement").

2. This Assignment and Assumption of Lease shall inure to the benefit of Assignee and Assignor and their respective successors and assigns, and shall be governed by the laws of the State of New York. This assignment and assumption agreement may not be modified, altered or amended, or its terms waived, except by an instrument in writing signed by the parties hereto.

3. This Assignment and Assumption of Lease may be executed in any number of counterparts and by different parties hereto in separate counterparts, each of which when so executed shall be deemed an original and all of which taken together shall constitute one and the same instrument. Signatures (and notarizations thereof) transmitted by facsimile or email, through scanned or electronically transmitted .pdf, .jpg or .tif files, shall have the same effect as the delivery of original signature pages and shall be binding upon and enforceable against the parties hereto as if such facsimile or scanned documents were an original executed counterpart.

[SIGNATURES APPEAR ON NEXT PAGE]

## CONSENT TO EASEMENT

THIS CONSENT TO EASEMENT, made as of the <sup>14<sup>th</sup></sup> day of December, 2007, by BEST BUY STORES, L.P., having its principal office at c/o Best Buy Co., Inc., 7601 Penn Avenue South, Richfield, Minnesota 55423 ("Tenant"), in favor of TACCO HOLDINGS, LLC, having its principal office at c/o Blumenfeld Development Group, Ltd., 300 Robbins Lane, Syosset, New York 11791 ("Landlord").

### WITNESSETH:

WHEREAS, Landlord and Tenant entered into that certain lease dated as of November 7, 2006 (the "Lease") for premises (the "Premises") to be located within certain improvements being constructed by Landlord on certain real property (the "Land"), as more particularly described in the Lease;

WHEREAS, the Land was the subject of an environmental remediation program, and, as such, the New York State Department of Environmental Conservation is requiring Landlord to enter into that certain Environmental Easement with respect to the Land (the "Easement"), the form of which is annexed hereto as Exhibit A and made a part hereof; and

WHEREAS, Tenant, at the request of Landlord, has agreed to consent to the Easement such that the Lease is subject thereto as hereinafter provided.

NOW THEREFORE, in consideration of TEN and 00/100 DOLLARS lawful money of the United States and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Tenant agrees as follows:

1. Tenant's leasing of the Premises by virtue of the Lease is and shall be subject to, and to the extent applicable to the Premises and Tenant's occupancy thereof, Tenant shall abide by, the terms and provisions of the Easement.
2. Such Easement shall constitute a Permitted Exception (as defined in the Lease).
3. The following provision shall be added as new Section 57.15 of the Lease:

**The Premises are located within property that 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.**

**COPY**

**SHOPPING CENTER LEASE**

**by and between**

**Tiago Holdings, LLC**

**as Landlord**

**and**

**GameStop, Inc.**

**as Tenant**

**Dated: As of December 4, 2008**

**LOCATION:**

**Premises within the Shopping Center located  
at the intersection of the FDR Drive and 116th Street, New York, NY**



Shopping Center by Landlord (or its employees, contractors and agents), by third parties unrelated to either Landlord or Tenant or by other occupants of the Shopping Center. In the event that any Requirements or governmental entities require the Premises to be inspected, tested or surveyed for the presence of any Hazardous Materials prior to Tenant's occupancy of the Premises, or during Tenant's occupancy of the Premises by reason of the installation, storage or placement of such Hazardous Materials in or upon the Premises prior to Tenant's occupancy, Landlord, at its sole cost and expense, shall perform such required activities.

Section 9.2. *Definitions.* As used herein, the term "Hazardous Materials" means any substance or substances which are (i) defined under any Environmental Law (defined below) as a hazardous substance, hazardous waste, hazardous material, pollutant or contaminant, (ii) a petroleum hydrocarbon, including crude oil or any fraction thereof, (iii) hazardous, toxic, corrosive, flammable, explosive, infectious, radioactive, carcinogenic or a reproductive toxicant or (iv) otherwise regulated pursuant to any Environmental Law. The term "Environmental Law" shall mean all federal, state and local laws, statutes, ordinances, regulations, rules, judicial and administrative orders and decrees, permits, licenses, approvals, authorizations and similar requirements of all federal, state and local governmental agencies or other governmental authorities pertaining to the protection of human health and safety or the environment now existing or later adopted during the Term.

Section 9.3. *Survival of Obligations.* The obligations of Tenant under this Article 9 shall survive the Expiration Date and the Early Termination Date (if any).

Section 9.4. *Landlord's Inspection and Cure Rights.* Landlord and its agents shall have the right, but not the duty, to inspect the Premises from time to time to determine whether Tenant is complying with the terms of this Article 9. If Tenant is not in compliance with this Article 9, Landlord shall have the right, but not the obligation, to immediately enter upon the Premises to remedy said noncompliance at Tenant's expense.

Section 9.5. *Environmental Easement.* Tenant specifically acknowledges that **the Premises and the Shopping Center are subject to that certain Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law**, which was granted by Landlord in an instrument dated December 20, 2007 and recorded in New York County in CRFN 2007000625401 (the "Environmental Easement"). Landlord represents that Landlord's compliance with the requirements of the Brownfield Cleanup Agreement (as defined in the Environmental Easement) and the Site Management Plan (as defined in the Environmental Easement) (collectively, the "Environmental Agreements") will not interfere in any material respect with the operation of a retail store in the Premises. Tenant covenants and agrees that: (a) it shall not cause Landlord to be in default of the requirements of the Environmental Agreements; and (b) Tenant will comply with the provisions of the Environmental Agreements applicable to the Premises.

#### ARTICLE 10 - INTENTIONALLY OMITTED

#### ARTICLE 11 - FIXED MINIMUM RENT

Commencing on the Rent Commencement Date, Tenant shall pay to Landlord, as Fixed Minimum Rent for the Premises, the amount(s) set forth in Section 1.1(f), said amount(s) to be due and payable in monthly installments, in advance, on the first day of each and every calendar month thereafter throughout the Term. Tenant shall at no time pay the Fixed Minimum Rent more than one (1) month in

FIRST AMENDMENT TO SHOPPING CENTER LEASE

FIRST AMENDMENT TO SHOPPING CENTER LEASE (this "Amendment") is made this 3<sup>rd</sup> day of March, 2014 between TIAGO HOLDINGS, LLC, a New York limited liability company, having an address c/o Blumenfeld Development Group, Ltd., 300 Robbins Lane, Syosset, New York 11791, as landlord ("Landlord"), and GAMESTOP, INC., a Minnesota corporation, having an address at 625 Westport Parkway, Grapevine, Texas 76051, as tenant ("Tenant").

WITNESSETH:

WHEREAS, Landlord and Tenant have entered into that certain Shopping Center Lease dated as of December 4, 2008 (the "Lease") with respect to the premises more particularly described therein (the "Existing Premises") within the retail shopping center commonly known as "East River Plaza" located at the intersection of the FDR Drive and 116<sup>th</sup> Street, New York, New York (the "Shopping Center");

WHEREAS, Landlord and Tenant desire to amend the Lease to, among other things, (a) provide for Tenant's surrender of the Existing Premises, and (b) provide for Tenant's occupancy of the premises shown on the plan of premises annexed hereto and made a part hereof as Exhibit "A" consisting of approximately 3,000 square feet in gross leasable area on the second floor of the Shopping Center (the "Relocated Premises").

NOW, THEREFORE, in consideration of the mutual premises contained herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

A. The recitals are specifically incorporated into the body of the Amendment and shall be binding upon the parties hereto. The words and terms used herein without definition shall have the meaning ascribed to them in the Lease.

B. The Term of the Lease began February 10, 2010. The expiration date for this Term shall be June 30, 2020.

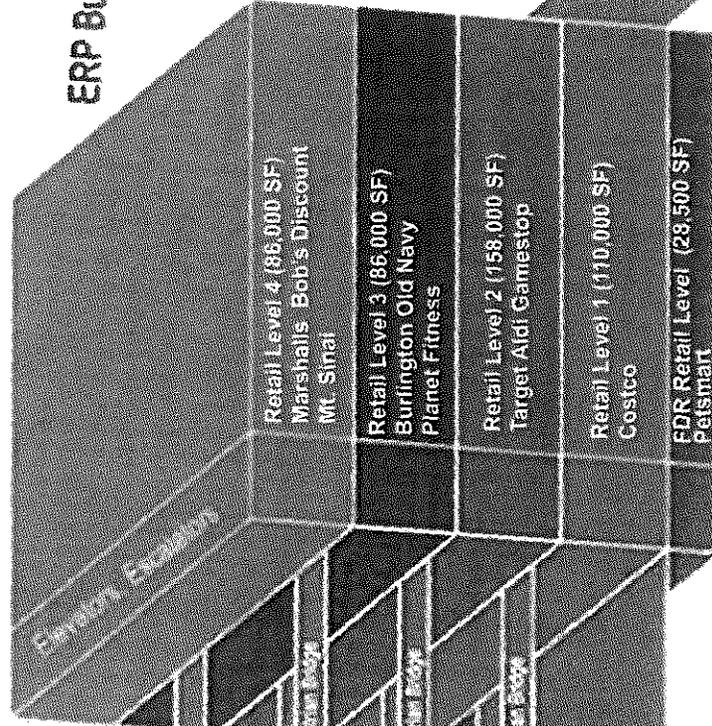
C. As of the Relocated Premises Completion Date (as hereinafter defined), the Lease is amended as follows:

1. Section 1.1(b) of the Lease is amended so that the Premises GLA, as defined therein, shall mean the gross leasable area of the Relocated Premises, which the parties agree shall be 3,000 square feet.

2. Section 1.1(f) of the Lease is amended to provide that the Fixed Minimum Rent of the Premises from the Relocated Premises Completion Date shall be as follows:

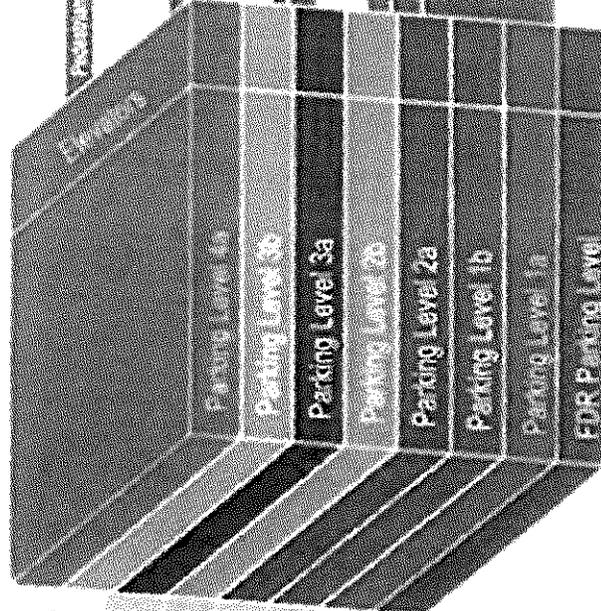
Relocated Premises Completion Date – 06/30/15:	\$78.00 per square foot of Premises GLA, \$234,000.00 per annum (\$19,500.00 per month)
07/01/15-06/30/20:	\$88.00 per square foot of Premises GLA, \$264,000.00 per annum (\$22,000.00 per month)

# ERP Building "A"



# ERP Building "B"

Level 4	Available Space 4,326 SF
Level 3	Available Space 4,326 SF
Level 2	Available Space 3,458 SF
Level 1	Available Space 3,457 SF



E. 116th

E. 116th

FDR Drive

**COVER SYSTEM AND VAPOR BARRIER  
SYSTEM CHECKLIST  
NOVEMBER 19, 2012**

**Cover System and Vapor Barrier System  
Inspection Checklist  
East River Plaza, Manhattan, New York**

**Date of Inspection: November 19, 2012**

**Description of Cover System and Vapor Barrier System**

This property is equipped with a surface cover system, including pavement, concrete slabs at the lowest level of the building, and/or at least one foot of cover gravel underlain by Mirafi fabric. The Pavement Plan in Appendix P of the Final Engineering Report (FER) shows the approved design for the final concrete/asphalt cover at this Site. An as-built survey in Appendix P shows the gravel cover system.

The property building is also equipped with a vapor barrier and seal system. This system includes a positive-side waterproofing membrane beneath the slab, pile caps and elevator pits. The foundation walls are also waterproofed using a similar sheet membrane material. Penetrations through the slab and walls for pipes and duct banks are also sealed. Vapor barrier and seal materials are specified in the foundation construction documents included in Appendix Q of the FER.

Activities that have the potential to disrupt the cover system and/or vapor barrier system must be reported in advance to the property owner such that they can be monitored and documented and any necessary repairs made. Examples of activities that may disturb the cover and/or vapor barrier systems include:

- Cutting or removal of pavement
- Breakup or significant deterioration of pavement/slab
- Cutting or removal of concrete slab or foundation materials on lowest level of building
- Planting or removal of vegetation (trees/shrubs) through the pavement or slab
- Excavations for subsurface utilities or other purposes
- Any activities that may disturb the ground

The cover and vapor barrier systems must be inspected at least annually. More frequent inspections may be conducted during construction activities with the potential to affect these

systems. An inspection shall also be conducted following a severe condition (flood, fire, etc.) with the potential to affect the cover and/or vapor barrier systems. The following checklist shall be used during each inspection. Supplemental information should be attached to the checklist, if needed. Copies of completed checklists and any supplemental information will be included in the Annual Site Management Report.

Notifications to the NYSDEC are required for the following conditions:

- 10-day advance notice of any significant proposed ground-intrusive activities;
- 48-hour notice of any damage or defect to the foundation structures that reduces or has the potential to reduce the effectiveness of the cover system and/or vapor barrier system; and
- 48-hour notification following any severe condition with the potential to affect the cover system and/or vapor barrier system.

Follow-up status reports for the above conditions must be submitted to the NYSDEC within 45 days. Additional information concerning notifications is included in Section 2.4.2 of the Site Management Plan (SMP).

#### **Cover System Inspection Checklist:**

A visual inspection of the entire cover system throughout the Site must be conducted, to include the gravel, asphalt, concrete pavement and/or concrete slab. Representative digital photographs must be taken showing the cover extent, nature and condition. The following questions must be answered. Please attach supporting information as necessary.

- If gravel is present, note and describe its thickness and continuity: Throughout the reporting period 100 percent of the Site was covered with asphalt or concrete pavement and/or concrete slab.
- The approved gravel cover is constructed of ¾-inch washed RCA provided by Tilcon of New York. What is the nature of the observed gravel cover? Is it consistent with the approved gravel cover? The gravel cover is presently covered by the final asphalt/concrete cover and could not generally be observed.

- The gravel is underlain by Mirafi fabric. Is any of the fabric visible? If so, describe the condition: No Mirafi fabric is currently visible as it is covered by the asphalt/concrete pavement and/or slab.
- Asphalt and/or concrete pavement provide cover for the on-grade portions of the site. Are these materials continuous or are there penetrations? Describe: All previous penetrations in the concrete slab, and walls and pavement have been properly sealed in accordance with the waterproofing/vapor barrier specifications. The asphalt/concrete pavement were continuous throughout the reporting period and no unsealed penetrations were observed.
- Comment on the condition of the asphalt/concrete pavement. All asphalt/concrete pavement is completed and in good condition.
- Concrete slabs and foundation walls provide cover within the lower levels of the Site building. Are these materials continuous? Describe: Yes, the concrete slabs and foundation walls in the lower levels of the Site building are continuous.
- Comment on the condition of the concrete slabs and foundation walls. The concrete slabs and foundation walls are completed and in good condition.
- Provide any other pertinent information regarding the condition of the cover system here: Photographs representative of conditions during the reporting period are attached to the Site-wide Inspection Checklist and show the location, nature and condition of the cover materials.

### **Vapor Barrier System Inspection Checklist**

A visual inspection must be conducted to confirm that the vapor barrier system remains in place. The vapor barrier system is installed beneath the concrete slabs and foundation walls and, therefore, cannot be directly observed. Therefore, monitoring of the vapor barrier system is largely contingent on monitoring of the concrete slab and foundation components. Foundation penetrations should be observed where feasible. The following questions must be answered. Attach additional supporting information as necessary.

- Are the concrete slab and foundation components intact? Describe: Yes, these components were completed during 2009 and all components were observed to be intact during the reporting period.
- Are there any conditions associated with the concrete slab and/or foundation components that suggest the possibility of damage to the vapor barrier system? No. No conditions were observed that suggest damage to the vapor barrier system.
- Do the foundation penetrations exhibit indications of water leakage, soil penetration or other conditions suggesting problems with the foundation seals? Describe: No. No conditions were observed that suggest problems with the foundation seals.
- Is water infiltration observed through any lower-level floors or walls, suggesting possible problems with the vapor barrier system? Describe: No.
- Provide any other pertinent information regarding the condition of the vapor barrier system here: The vapor barrier system was completed during 2009 in conjunction with building construction. The system components were inspected and the outstanding items were addressed in 2009 and 2010. The vapor barrier system was not penetrated during the reporting period.

### **Inspector Information**

Name and Affiliation of Inspector: Ben Cancemi, Senior Hydrogeologist, CPG;  
George Holmes, Hydrogeologist I, FPM Group

Date of Inspection: November 19, 2012

Reason for Inspection: Annual cover system and vapor barrier system inspection.

List additional inspections or activities conducted in association with this inspection: See Attachments to Site-wide inspection.

# PHOTOLOG NOVEMBER 19, 2012



Photo #1 – View of the parking garage showing typical intact pavement surface



Photo #2 – View of the Site building looking east down East 117<sup>th</sup> Street. Site garage is on the right in the background and Site building is on the left.



Photo #3 – View looking east down East 119<sup>th</sup> Street. The Site building occupies most of the south side of East 119<sup>th</sup> Street.



Photo #4 – View looking south down FDR Drive.



Photo #5 – View of well M-13 (representative of other site monitoring wells).

**SITE-WIDE INSPECTION CHECKLIST  
DECEMBER 16, 2013**

**Site-Wide Inspection List  
East River Plaza  
East Harlem, Manhattan, New York**

**Date of Inspection: December 16, 2013**

Site-wide inspections will be performed annually, at a minimum. A site-wide inspection shall also be performed after severe events that may affect the Engineering Controls (ECs) or monitoring wells.

The following inspection form shall be completed during each site-wide inspection. Supporting documentation shall be attached, as necessary. The completed site-wide inspection checklist and supporting documentation shall be included in the associated Annual Site Management Report.

**Compliance with Institutional Controls**

Institutional Controls (ICs) are required under the Remedial Work Plan to: (1) implement, maintain and monitor EC systems; (2) prevent future exposure to residual contamination by controlling disturbances of the subsurface materials; and, (3) restrict the use of the Site to commercial and restricted residential uses only. Adherence to these ICs on the Site (Controlled Property) is required under the Environmental Easement. These ICs are described in Section 2.3 of the Site Management Plan. Please complete the following checklist to confirm compliance with the Site ICs:

- The Controlled Property may be used for commercial use. Confirm whether commercial use is occurring: Commercial use of the property occurred throughout the reporting period.
- The Controlled Property may be used for restricted residential use only above the first floor. Confirm the current locations of residential use: No residential use occurred during the reporting period. The Site development is consistent with future residential use only above the first floor.
- All Engineering Controls (cover system and vapor barrier system) must be operated and maintained as specified in the Site Management Plan for the Controlled Property.

Confirm operation and maintenance of ECs and attach checklists: Throughout the reporting period the cover system and vapor barrier system were completely installed. No penetrations of these systems occurred during the reporting period. The completed EC checklist is attached.

- Annual inspections and certifications must be conducted in accordance with the Site Management Plan. Confirm compliance with annual inspections and certifications: The annual inspections, including the cover system inspection, vapor barrier inspection, and site-wide inspection, were completed. The annual certification is included in the Site Management Periodic Review Report (PRR).
- Groundwater and other environmental or public health monitoring, and reporting of information thus obtained, must be performed in a manner specified in the Site Management Plan (SMP). Confirm that the required monitoring and reporting are in accordance with the SMP: Groundwater monitoring and periodic public health monitoring (i.e. vapors, dust, noise during intrusive activities) are conducted in accordance with the SMP. Groundwater monitoring is reported in the PRR. No periodic public health monitoring occurred during the reporting period as no intrusive activities occurred in the period.
- Onsite environmental monitoring devices, including but not limited to groundwater monitoring wells, will be protected and replaced as necessary to ensure continued functioning in the manner specified in the Site Management Plan. Confirm that monitoring devices have been protected and/or replaced: All environmental monitoring devices have been maintained in accordance with the SMP and are protected. The monitoring wells were observed during the site-wide inspection and no issues were noted.
- Vegetable gardens are prohibited. Confirm the absence of vegetable gardens: There are no vegetable gardens onsite.
- All soil disturbance activities that will impact residual contaminated material, including building renovation/expansion, subgrade utility line repair/relocation, and new construction must be conducted in accordance with the NYSDEC-approved Site

Management Plan. Confirm that these activities are in compliance with the SMP: No soil disturbance activities occurred during the reporting period.

- Use of the groundwater underlying the Controlled Property is prohibited without treatment rendering it safe for the intended purpose. Confirm that groundwater use has not occurred: No use of the groundwater underlying the Site has occurred.
- The Controlled Property may not be used for a higher level of use, such as unrestricted use, and the above-stated engineering controls may not be discontinued without proper notification of the NYSDEC of the change and approval of that use by the NYSDEC, and an amendment of the Site Management Plan approved by the NYSDEC. Confirm continued compliance with the Environmental Easement: The Site is in compliance with the use restrictions and engineering controls in the Environmental Easement.
- Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

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

Confirm that property deed and all subsequent instruments of conveyance are in compliance: The property deed and instruments of conveyance are in compliance with the Environmental Easement. A statement from the Site owner (Grantor) to this effect is attached.

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

incorporate or reference the Environmental Easement: The leases and other right-to-use documents for the Site incorporate or reference the Environmental Easement. A statement for the Site owner (Grantor) to this effect is attached.

- Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury that the controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls employed at the Controlled Property were approved by the NYSDEC, and that nothing has occurred that would impair the ability of such control to protect the public health and environment or constitute a violation or failure to comply with any Site Management Plan for such controls and giving access to such Controlled Property to evaluate continued maintenance of such controls. Confirm the submittal of the Certification Statement: The Certification Statement is included in this PRR.

### **Compliance with Engineering Controls**

Using the completed checklists from Attachment 5 of the Site Management Plan, provide a written evaluation of the condition and continued effectiveness of the ECs: The checklists in Attachment 5 of the SMP were completed and are attached. They document the following condition and effectiveness of the ECs:

- The final cover system EC was completed in 2009 in accordance with the Pavement Plan in the FER and remained in place throughout the reporting period. The cover system continues to minimize potential hazards to the safety and health of the public and is in compliance with the SMP.
- The vapor barrier system EC was completed in 2009 in coordination with the installation of the final elements of the cover system and remained in place throughout the reporting period. The vapor barrier system effectively minimizes potential hazards to the safety and health of the public.

## **General Site Conditions**

Provide a written description of the Site conditions at the time of the site-wide inspection. Attach digital photographs or other supporting information as needed: Each level of the above-grade Site building was occupied throughout the reporting period by a retail tenant. Retail tenants also occupied two sub-grade areas during the reporting period. Photographs were not taken at the time of the site-wide inspection, and no significant changes were noted since the previous inspection on November 19, 2012.

## **Site Management Activities**

Provide a discussion and assessment of ongoing site management activities including, but not limited to, soil/materials management, groundwater monitoring, community air monitoring, nuisance control, well replacement/repair, health and safety monitoring, and other applicable and pertinent activities. Attach supporting documentation as necessary: No groundwater monitoring was conducted as groundwater monitoring was terminated 2011, as approved by the NYSDEC in June 2011. The monitoring wells remain present onsite; no repairs were required in the reporting period. No soil/materials management, community air monitoring, nuisance control or health and safety monitoring were conducted in the reporting period as no intrusive activities (below the Site cover) were conducted.

## **Compliance with Permits and Schedules**

The Operation and Maintenance Plan included in Section 4 of the Site Management Plan does not include any permit requirements but does include a schedule for groundwater monitoring well maintenance. Discuss compliance with the groundwater monitoring well maintenance schedule: The groundwater monitoring wells are checked during each monitoring event as per the SMP and were also checked during the Site-wide inspection. No maintenance was required to the monitoring wells during the reporting period.

## Site Records

The Site records include, but are not limited to, groundwater monitoring reports, EC inspection checklists, site-wide inspection checklists, soil management documents, community air monitoring documents, regulatory agency correspondence, reports, and the Annual Site Management PRR. Confirm that each type of Site record is up to date and provide comments: Each of the referenced documents that was applicable to activities during the reporting period has been kept up to date. Copies of the completed documents are included in the PRR.

## Inspector Information

Name and Affiliation of Inspector(s): Ben Cancemi, Senior Hydrogeologist, CPG;  
George Holmes, Hydrogeologist I, FPM Group.

Date of Inspection: December 16, 2013.

Reason for Inspection: Annual Site-Wide Inspection.

List additional inspections or activities conducted in association with this inspection: See Attachments.

### Attachments:

- Correspondence from Tiago (Site owner) regarding compliance of Site deed, leases, etc. with Environmental Easement.
- Cover System and Vapor Barrier System Inspection Checklist and supporting documents.

**TIAGO HOLDINGS, LLC  
300 ROBBINS LANE  
SYOSSET, NEW YORK 11791**

May 22, 2015

Mr. Yuk-Yin (Bryan) Wong  
New York State Department of Environmental Conservation  
Region 2 Office  
47-20 21<sup>st</sup> Street  
Long Island City, NY 11101

**Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal**

**Site Name:** East River Plaza  
**Site No.:** C231045  
**Site Address:** FDR Drive between 116<sup>th</sup> & East 119<sup>th</sup> Streets  
New York, NY 10035

Dear Mr. Wong:

I am writing in reference to the above-referenced project and reporting requirements relative to the leasing activity for the reporting period of May 14, 2012 through May 14, 2015. Pursuant to the Site Management Plan ("SMP"), Tiago Holdings, LLC ("Tiago") is required to report on annual leasing activity and confirm that all documents of conveyance entered into during the applicable period include the required language and reference to the Environmental Easement.

Tiago entered into four (4) leasing agreements during the reporting period of May 14, 2012 through May 14, 2015. One of the lease agreements was an assignment agreement entered into on June 1<sup>st</sup>, 2013 between Best Buy Stores, L.P., the previous tenant, and Burlington Coat Factory of New York, LLC, the current tenant. GameStop entered into an agreement with Tiago on March 3<sup>rd</sup>, 2014 to move to a new space within the center. In addition, Tiago entered into lease agreements with The Mount Sinai Hospital on February 26<sup>th</sup>, 2014 for 14,589 square feet and with Planet Fitness (East River Plaza Fitness Group, LLC) on February 26<sup>th</sup>, 2014 for 14,655 square feet.

I am attaching relevant pages from the lease to verify the execution date thereof and the inclusion of the required language. I have also attached a floor plan indicating the location of Planet

Site Management Periodic Review Report 2012 - 2015  
East River Plaza  
Brownfield Cleanup Agreement Index #W2-1068-05-06  
Site No. C231045

May 22, 2015  
Page 2

Fitness and Mount Sinai. Given the location of these tenants, no additional requirements are triggered under the SMP.

If you have any questions or concerns, please do not hesitate to contact Raffaella Petrsek at (516) 624-1973.

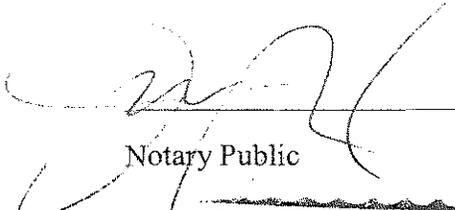
Very truly yours,



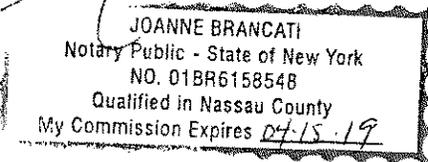
David Blumenfeld  
Tiago Holdings, LLC

Attachments

Sworn before me this 22<sup>nd</sup> day of May, 2015



Notary Public



**SHOPPING CENTER LEASE**

**by and between**

**Tiago Holdings, LLC**

**as Landlord**

**and**

**East River Plaza Fitness Group, LLC**

**as Tenant**

**Dated: as of February 26, 2014**

**LOCATION:**

**Premises within the Shopping Center located  
at the intersection of the FDR Drive and 116th Street, New York, NY**

*Section 9.4. Landlord's Inspection and Cure Rights.*

Landlord and its agents shall have the right, but not the duty, to inspect the Premises upon reasonable prior notice to Tenant from time to time to determine whether Tenant is complying with the terms of this Article 9. If Tenant is not in compliance with this Article 9, Landlord shall have the right, but not the obligation, to immediately enter upon the Premises to remedy said noncompliance at Tenant's expense.

*Section 9.5. Environmental Easement.*

Tenant specifically acknowledges that **the Premises and the Shopping Center are subject to that certain Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law**, which was granted by Landlord in an instrument dated December 20, 2007 and recorded in New York County in CRFN 2007000625401 (the "Environmental Easement"). Landlord represents that Landlord's compliance with the requirements of the Brownfield Cleanup Agreement (as defined in the Environmental Easement) and the Site Management Plan (as defined in the Environmental Easement) (collectively, the "Environmental Agreements") will not interfere in any material respect with the operation of the Premises for the Fitness Facility as contemplated by this Lease. Tenant covenants and agrees that: (a) it shall not cause Landlord to be in default of the requirements of the Environmental Agreements; and (b) Tenant will comply with the provisions of the Environmental Agreements applicable to the Premises.

*Section 9.6. Landlord's Obligations.*

Subject to the Environmental Easement and the Environmental Agreements, Landlord shall not cause or permit any Hazardous Materials to be brought upon, kept, stored, utilized, disposed of or used in the Shopping Center by Landlord, its agents, employees or contractors (except for customary amounts of cleaning supplies used in the ordinary course of business and in compliance with all Requirements). If Hazardous Materials are discovered in the Shopping Center and require remediation under applicable Environmental Law and such contamination was caused by the acts or omissions of Landlord, its agents, employees or contractors, then Landlord, at its sole cost and expense, shall remove with reasonable due diligence the Hazardous Materials in accordance with applicable Requirements (the "Abatement Work") and repair or replace all improvements damaged by the Abatement Work. If Landlord breaches its obligations under this Article 9, or if the presence of Hazardous Materials in or on the Premises caused or permitted by Landlord, its agents, employees or contractors results in contamination of the Premises, then Landlord shall indemnify, defend and hold Tenant harmless from and against any and all claims, judgments, damages, penalties, fines, costs, liabilities or losses (including sums paid in settlement of claims, reasonable attorneys' fees and disbursements, consultant fees and expert fees) which arise during or after the Term as a result of such contamination. The indemnification of Tenant by Landlord herein includes costs incurred in connection with any investigation of site conditions or any clean-up, and any remedial, removal or restoration work required by any federal, state or local governmental agency or political subdivision because of Hazardous Materials present in or on the Premises for which Landlord is responsible hereunder.

**SHOPPING CENTER LEASE**

**by and between**

**Tiago Holdings, LLC**

**as Landlord**

**and**

**The Mount Sinai Hospital**

**as Tenant**

**Dated: as of February 26, 2014**

**LOCATION:**

**Premises within the Shopping Center located  
at the intersection of the FDR Drive and 116th Street, New York, NY**

restoration work required by any federal, state or local governmental agency or political subdivision because of Hazardous Materials present in or on the Premises for which Tenant is responsible hereunder. Without limiting the foregoing, if the presence of any Hazardous Materials in or on the Premises caused or permitted by Tenant Responsible Parties results in any contamination of the Premises, Tenant shall promptly take all actions as are necessary to return the Premises to the condition existing prior to the introduction of any such Hazardous Materials to the Premises; provided that Landlord's written approval of such actions shall first be obtained, which approval shall not be unreasonably withheld, conditioned or delayed.

(b) Landlord represents that, to its actual knowledge, (i) any handling, transportation, storage, treatment or use of Hazardous Materials that may have occurred with respect to the Shopping Center prior to the Commencement Date have been in compliance with applicable Environmental Laws, (ii) except as disclosed in environmental reports and/or audits obtained by Landlord with respect to the Shopping Center (copies of which will be available for inspection by Tenant following Tenant's written request therefor) or as disclosed in the Environmental Easement (and/or documentation referred to therein), no leak, spill, release, discharge, emission or disposal of Hazardous Materials has occurred on the Shopping Center prior to the Commencement Date and (iii) the Shopping Center is currently free of any Hazardous Materials that are not in compliance with applicable Environmental Laws.

#### Section 9.2. *Definitions.*

As used herein, the term "Hazardous Materials" means any substance or substances which are (i) defined under any Environmental Law (defined below) as a hazardous substance, hazardous waste, hazardous material, pollutant or contaminant, (ii) a petroleum hydrocarbon, including crude oil or any fraction thereof, (iii) hazardous, toxic, corrosive, flammable, explosive, infectious, radioactive, carcinogenic or a reproductive toxicant or (iv) otherwise regulated pursuant to any Environmental Law. The term "Environmental Law" shall mean all federal, state and local laws, statutes, ordinances, regulations, rules, judicial and administrative orders and decrees, permits, licenses, approvals, authorizations and similar requirements of all federal, state and local governmental agencies or other governmental authorities pertaining to the protection of human health and safety or the environment now existing or later adopted during the Term.

#### Section 9.3. *Survival of Obligations.*

The obligations of Tenant and Landlord under this Article 9 shall survive the Expiration Date and the Early Termination Date (if any).

#### Section 9.4. *Landlord's Inspection and Cure Rights.*

Landlord and its agents shall have the right, but not the duty, to inspect the Premises, during reasonable hours and upon reasonable prior notice to Tenant from time to time to determine whether Tenant is complying with the terms of this Article 9. If Tenant is not in compliance with this Article 9, Landlord shall have the right, but not the obligation, to immediately enter upon the Premises to remedy said noncompliance at Tenant's expense.

#### Section 9.5. *Environmental Easement.*

Tenant specifically acknowledges that **the Premises and the Shopping Center are subject to that certain Environmental Easement held by the New York State Department of Environmental Conservation pursuant to**

**Title 36 of Article 71 of the Environmental Conservation Law**, which was granted by Landlord in an instrument dated December 20, 2007 and recorded in New York County in CRFN 2007000625401 (the "Environmental Easement"). Landlord represents that Landlord's compliance with the requirements of the Brownfield Cleanup Agreement (as defined in the Environmental Easement) and the Site Management Plan (as defined in the Environmental Easement) (collectively, the "Environmental Agreements") will not interfere with the Permitted Use as contemplated by this Lease. Tenant covenants and agrees that, subject to Tenant's right to use the Premises for the Permitted Use: (a) it shall not cause Landlord to be in default of the requirements of the Environmental Agreements; and (b) Tenant will comply with the provisions of the Environmental Agreements applicable to the Premises.

*Section 9.6. Landlord's Obligations.*

(a) Subject to the Environmental Easement and the Environmental Agreements, Landlord shall not cause or permit any Hazardous Materials to be brought upon, kept, stored, utilized, disposed of or used in the Shopping Center by Landlord, its agents, employees or contractors (except for customary amounts of cleaning supplies used in the ordinary course of business and in compliance with all Requirements). If Hazardous Materials are discovered in the Shopping Center and require remediation under applicable Environmental Law, then Landlord shall remove or cause to be removed (at no expense to Tenant) with reasonable due diligence the Hazardous Materials in accordance with applicable Requirements (the "Abatement Work") and repair or replace all improvements damaged by the Abatement Work. If the presence of Hazardous Materials in or on the Premises caused or permitted by Landlord, its agents, employees or contractors results in contamination of the Premises, then Landlord shall indemnify, defend and hold Tenant harmless from and against any and all claims, judgments, damages, penalties, fines, costs, liabilities or losses (including sums paid in settlement of claims, reasonable attorneys' fees and disbursements, consultant fees and expert fees) which arise during or after the Term as a result of such contamination. The indemnification of Tenant by Landlord herein includes costs incurred in connection with any investigation of site conditions or any clean-up, and any remedial, removal or restoration work required by any federal, state or local governmental agency or political subdivision because of Hazardous Materials present in or on the Premises for which Landlord is responsible hereunder.

(b) In the event (i) Hazardous Materials are present at the Premises or the Shopping Center due to the acts of any party other than Tenant Responsible Parties, and/or future remediation work is required to remove and/or monitor the Hazardous Materials caused to be present by any party other than Tenant Responsible Parties, (ii) the presence, remediation and monitoring of such Hazardous Materials materially and adversely affects the operation of Tenant's business for in excess of seven (7) consecutive days (a "Hazardous Materials Event"), and (iii) Tenant has closed its business conducted at the Premises by reason of the Hazardous Materials Event, then upon thirty (30) days' prior written notice of such event to Landlord and Landlord's failure to correct the Hazardous Materials Event within such thirty (30)-day period (provided, however, that Landlord shall not be deemed to be in default if such correction is incapable of being cured within thirty (30) days, Landlord has commenced curing the same within the thirty (30)-day period, and thereafter diligently pursues the completion), Tenant shall have the right to abate Rent in full until the earlier of the date that (A) the Hazardous Materials Event is remediated or cured to the satisfaction of applicable governmental authorities, as documented by such authorities, or (B) Tenant reopens for business in the Premises.

**ARTICLE 10 - INTENTIONALLY OMITTED**

## ASSIGNMENT AND ASSUMPTION OF LEASE

FOR VALUE RECEIVED, BEST BUY STORES, L.P. ("Assignor"), a Virginia limited partnership having an address at 7601 Penn Avenue South, Richfield, MN 55423, does hereby assign, transfer and deliver unto BURLINGTON COAT FACTORY OF NEW YORK, LLC ("Assignee"), a New York limited liability company having an office at 1830 Route 130 North, Burlington, NJ 08016, all of its right, title and interest in and to that certain Lease dated as of November 7, 2006, as amended by a First Amendment to Lease dated as of February 9, 2010 (collectively, the "Lease"), pursuant to which Tiago Holdings, LLC ("Landlord") leased to Assignor and Assignor leased from Landlord certain premises located in the Shopping Center known as "East River Plaza" located at the intersection of the FDR Drive and 116th Street, New York, NY, as more particularly described in the Lease;

TO HAVE AND TO HOLD the same unto Assignee, its successors and assigns, forever, from and after the date hereof, subject to the terms, covenants, conditions and provisions of the Lease.

AND Assignee does hereby (a) accept the within assignment and (b) subject to the terms of the Assignment Agreement (as hereinafter defined), assume the performance of all the terms, covenants and conditions of the Lease on the part of the tenant which accrue from and after the date hereof.

1. This Assignment and Assumption of Lease is made without warranty or representation by Assignor and without recourse to Assignor in any manner whatsoever, express or implied, except as set forth in that certain Agreement of Assignment and Assumption of Lease dated as of June 1, 2013 by and between Landlord, Assignor, Assignee and Best Buy Co., Inc. (the "Assignment Agreement").

2. This Assignment and Assumption of Lease shall inure to the benefit of Assignee and Assignor and their respective successors and assigns, and shall be governed by the laws of the State of New York. This assignment and assumption agreement may not be modified, altered or amended, or its terms waived, except by an instrument in writing signed by the parties hereto.

3. This Assignment and Assumption of Lease may be executed in any number of counterparts and by different parties hereto in separate counterparts, each of which when so executed shall be deemed an original and all of which taken together shall constitute one and the same instrument. Signatures (and notarizations thereof) transmitted by facsimile or email, through scanned or electronically transmitted .pdf, .jpg or .tif files, shall have the same effect as the delivery of original signature pages and shall be binding upon and enforceable against the parties hereto as if such facsimile or scanned documents were an original executed counterpart.

[SIGNATURES APPEAR ON NEXT PAGE]

## CONSENT TO EASEMENT

THIS CONSENT TO EASEMENT, made as of the <sup>19<sup>th</sup></sup> day of December, 2007, by BEST BUY STORES, L.P., having its principal office at c/o Best Buy Co., Inc., 7601 Penn Avenue South, Richfield, Minnesota 55423 ("Tenant"), in favor of TIAGO HOLDINGS, L.L.C., having its principal office at c/o Blumenfeld Development Group, Ltd., 300 Robbins Lane, Syosset, New York 11791 ("Landlord")

### WITNESSETH:

WHEREAS, Landlord and Tenant entered into that certain lease dated as of November 7, 2006 (the "Lease") for premises (the "Premises") to be located within certain improvements being constructed by Landlord on certain real property (the "Land"), as more particularly described in the Lease;

WHEREAS, the Land was the subject of an environmental remediation program and, as such, the New York State Department of Environmental Conservation is requiring Landlord to enter into that certain Environmental Easement with respect to the Land (the "Easement"), the form of which is annexed hereto as Exhibit A and made a part hereof; and

WHEREAS, Tenant, at the request of Landlord, has agreed to consent to the Easement such that the Lease is subject thereto as hereinafter provided.

NOW THEREFORE, in consideration of TEN and 00/100 DOLLARS lawful money of the United States and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Tenant agrees as follows:

1. Tenant's leasing of the Premises by virtue of the Lease is and shall be subject to, and to the extent applicable to the Premises and Tenant's occupancy thereof, Tenant shall abide by, the terms and provisions of the Easement.
2. Such Easement shall constitute a Permitted Exception (as defined in the Lease).
3. The following provision shall be added as new Section 57.15 of the Lease:

**The Premises are located within property that 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.**

**COPY**

**SHOPPING CENTER LEASE**

**by and between**

**Tiago Holdings, LLC**

**as Landlord**

**and**

**GameStop, Inc.**

**as Tenant**

**Dated: As of December 4, 2008**

**LOCATION:**

**Premises within the Shopping Center located  
at the intersection of the FDR Drive and 116th Street, New York, NY**



Shopping Center by Landlord (or its employees, contractors and agents), by third parties unrelated to either Landlord or Tenant or by other occupants of the Shopping Center. In the event that any Requirements or governmental entities require the Premises to be inspected, tested or surveyed for the presence of any Hazardous Materials prior to Tenant's occupancy of the Premises, or during Tenant's occupancy of the Premises by reason of the installation, storage or placement of such Hazardous Materials in or upon the Premises prior to Tenant's occupancy, Landlord, at its sole cost and expense, shall perform such required activities.

Section 9.2. *Definitions.* As used herein, the term "Hazardous Materials" means any substance or substances which are (i) defined under any Environmental Law (defined below) as a hazardous substance, hazardous waste, hazardous material, pollutant or contaminant, (ii) a petroleum hydrocarbon, including crude oil or any fraction thereof, (iii) hazardous, toxic, corrosive, flammable, explosive, infectious, radioactive, carcinogenic or a reproductive toxicant or (iv) otherwise regulated pursuant to any Environmental Law. The term "Environmental Law" shall mean all federal, state and local laws, statutes, ordinances, regulations, rules, judicial and administrative orders and decrees, permits, licenses, approvals, authorizations and similar requirements of all federal, state and local governmental agencies or other governmental authorities pertaining to the protection of human health and safety or the environment now existing or later adopted during the Term.

Section 9.3. *Survival of Obligations.* The obligations of Tenant under this Article 9 shall survive the Expiration Date and the Early Termination Date (if any).

Section 9.4. *Landlord's Inspection and Cure Rights.* Landlord and its agents shall have the right, but not the duty, to inspect the Premises from time to time to determine whether Tenant is complying with the terms of this Article 9. If Tenant is not in compliance with this Article 9, Landlord shall have the right, but not the obligation, to immediately enter upon the Premises to remedy said noncompliance at Tenant's expense.

Section 9.5. *Environmental Easement.* Tenant specifically acknowledges that **the Premises and the Shopping Center are subject to that certain Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law**, which was granted by Landlord in an instrument dated December 20, 2007 and recorded in New York County in CRFN 2007000625401 (the "Environmental Easement"). Landlord represents that Landlord's compliance with the requirements of the Brownfield Cleanup Agreement (as defined in the Environmental Easement) and the Site Management Plan (as defined in the Environmental Easement) (collectively, the "Environmental Agreements") will not interfere in any material respect with the operation of a retail store in the Premises. Tenant covenants and agrees that: (a) it shall not cause Landlord to be in default of the requirements of the Environmental Agreements; and (b) Tenant will comply with the provisions of the Environmental Agreements applicable to the Premises.

#### ARTICLE 10 - INTENTIONALLY OMITTED

#### ARTICLE 11 - FIXED MINIMUM RENT

Commencing on the Rent Commencement Date, Tenant shall pay to Landlord, as Fixed Minimum Rent for the Premises, the amount(s) set forth in Section 1.1(f), said amount(s) to be due and payable in monthly installments, in advance, on the first day of each and every calendar month thereafter throughout the Term. Tenant shall at no time pay the Fixed Minimum Rent more than one (1) month in

FIRST AMENDMENT TO SHOPPING CENTER LEASE

3<sup>rd</sup> FIRST AMENDMENT TO SHOPPING CENTER LEASE (this "Amendment") is made this day of March, 2014 between TIAGO HOLDINGS, LLC, a New York limited liability company, having an address c/o Blumenfeld Development Group, Ltd., 300 Robbins Lane, Syosset, New York 11791, as landlord ("Landlord"), and GAMESTOP, INC., a Minnesota corporation, having an address at 625 Westport Parkway, Grapevine, Texas 76051, as tenant ("Tenant").

WITNESSETH:

WHEREAS, Landlord and Tenant have entered into that certain Shopping Center Lease dated as of December 4, 2008 (the "Lease") with respect to the premises more particularly described therein (the "Existing Premises") within the retail shopping center commonly known as "East River Plaza" located at the intersection of the FDR Drive and 116<sup>th</sup> Street, New York, New York (the "Shopping Center");

WHEREAS, Landlord and Tenant desire to amend the Lease to, among other things, (a) provide for Tenant's surrender of the Existing Premises, and (b) provide for Tenant's occupancy of the premises shown on the plan of premises annexed hereto and made a part hereof as Exhibit "A" consisting of approximately 3,000 square feet in gross leasable area on the second floor of the Shopping Center (the "Relocated Premises").

NOW, THEREFORE, in consideration of the mutual premises contained herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

A. The recitals are specifically incorporated into the body of the Amendment and shall be binding upon the parties hereto. The words and terms used herein without definition shall have the meaning ascribed to them in the Lease.

B. The Term of the Lease began February 10, 2010. The expiration date for this Term shall be June 30, 2020.

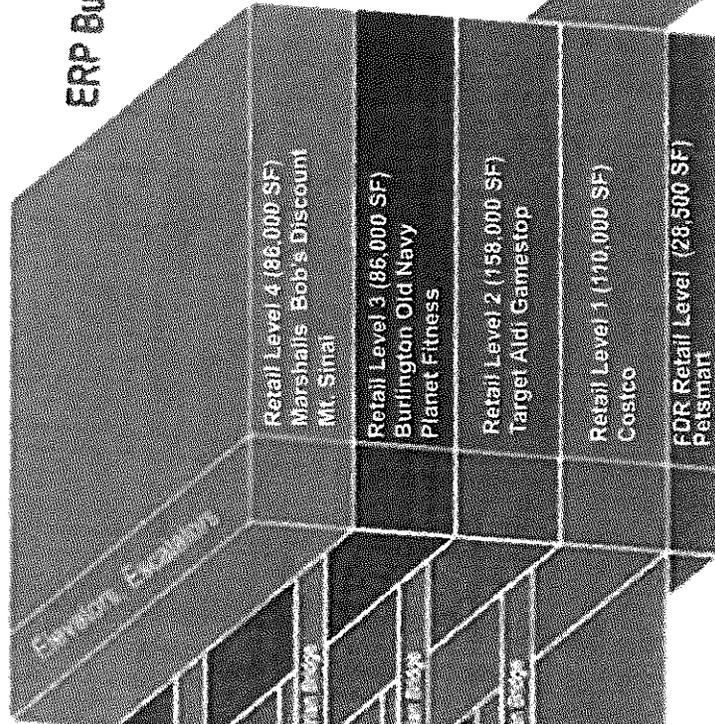
C. As of the Relocated Premises Completion Date (as hereinafter defined), the Lease is amended as follows:

1. Section 1.1(b) of the Lease is amended so that the Premises GLA, as defined therein, shall mean the gross leasable area of the Relocated Premises, which the parties agree shall be 3,000 square feet.

2. Section 1.1(f) of the Lease is amended to provide that the Fixed Minimum Rent of the Premises from the Relocated Premises Completion Date shall be as follows:

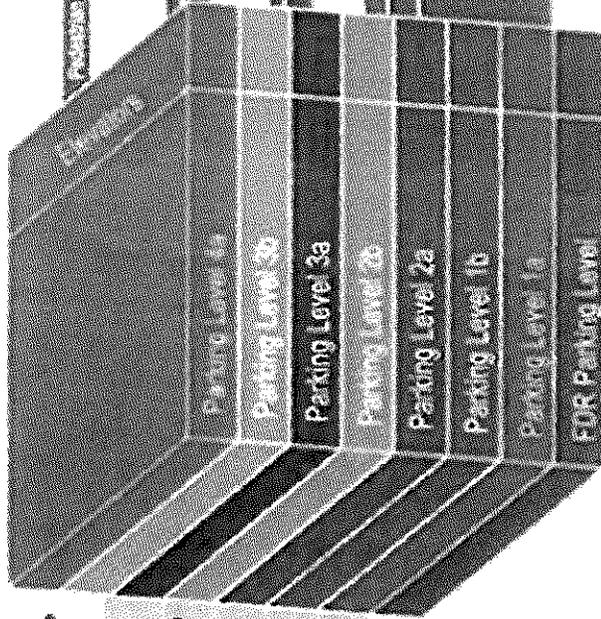
Relocated Premises	\$78.00 per square foot of Premises GLA,
Completion Date – 06/30/15:	\$234,000.00 per annum (\$19,500.00 per month)
07/01/15-06/30/20:	\$88.00 per square foot of Premises GLA,
	\$264,000.00 per annum (\$22,000.00 per month)

# ERP Building "A"



# ERP Building "B"

Level 4	Available Space 4,326 SF
Level 3	Available Space 4,326 SF
Level 2	Available Space 3,458 SF
Level 1	Available Space 3,431 SF



E. 116th

E. 119th

FDR Drive

**COVER SYSTEM AND VAPOR BARRIER  
SYSTEM CHECKLIST  
DECEMBER 16, 2013**

**Cover System and Vapor Barrier System  
Inspection Checklist  
East River Plaza, Manhattan, New York**

**Date of Inspection: December 16, 2013**

**Description of Cover System and Vapor Barrier System**

This property is equipped with a surface cover system, including pavement, concrete slabs at the lowest level of the building, and/or at least one foot of cover gravel underlain by Mirafi fabric. The Pavement Plan in Appendix P of the Final Engineering Report (FER) shows the approved design for the final concrete/asphalt cover at this Site. An as-built survey in Appendix P shows the gravel cover system.

The property building is also equipped with a vapor barrier and seal system. This system includes a positive-side waterproofing membrane beneath the slab, pile caps and elevator pits. The foundation walls are also waterproofed using a similar sheet membrane material. Penetrations through the slab and walls for pipes and duct banks are also sealed. Vapor barrier and seal materials are specified in the foundation construction documents included in Appendix Q of the FER.

Activities that have the potential to disrupt the cover system and/or vapor barrier system must be reported in advance to the property owner such that they can be monitored and documented and any necessary repairs made. Examples of activities that may disturb the cover and/or vapor barrier systems include:

- Cutting or removal of pavement
- Breakup or significant deterioration of pavement/slab
- Cutting or removal of concrete slab or foundation materials on lowest level of building
- Planting or removal of vegetation (trees/shrubs) through the pavement or slab
- Excavations for subsurface utilities or other purposes
- Any activities that may disturb the ground

The cover and vapor barrier systems must be inspected at least annually. More frequent inspections may be conducted during construction activities with the potential to affect these

systems. An inspection shall also be conducted following a severe condition (flood, fire, etc.) with the potential to affect the cover and/or vapor barrier systems. The following checklist shall be used during each inspection. Supplemental information should be attached to the checklist, if needed. Copies of completed checklists and any supplemental information will be included in the Annual Site Management Report.

Notifications to the NYSDEC are required for the following conditions:

- 10-day advance notice of any significant proposed ground-intrusive activities;
- 48-hour notice of any damage or defect to the foundation structures that reduces or has the potential to reduce the effectiveness of the cover system and/or vapor barrier system; and
- 48-hour notification following any severe condition with the potential to affect the cover system and/or vapor barrier system.

Follow-up status reports for the above conditions must be submitted to the NYSDEC within 45 days. Additional information concerning notifications is included in Section 2.4.2 of the Site Management Plan (SMP).

#### **Cover System Inspection Checklist:**

A visual inspection of the entire cover system throughout the Site must be conducted, to include the gravel, asphalt, concrete pavement and/or concrete slab. Representative digital photographs must be taken showing the cover extent, nature and condition. The following questions must be answered. Please attach supporting information as necessary.

- If gravel is present, note and describe its thickness and continuity: Throughout the reporting period 100 percent of the Site was covered with asphalt or concrete pavement and/or concrete slab.
- The approved gravel cover is constructed of ¾-inch washed RCA provided by Tilcon of New York. What is the nature of the observed gravel cover? Is it consistent with the approved gravel cover? The gravel cover is presently covered by the final asphalt/concrete cover and could not generally be observed.

- The gravel is underlain by Mirafi fabric. Is any of the fabric visible? If so, describe the condition: No Mirafi fabric is currently visible as it is covered by the asphalt/concrete pavement and/or slab.
- Asphalt and/or concrete pavement provide cover for the on-grade portions of the site. Are these materials continuous or are there penetrations? Describe: All previous penetrations in the concrete slab, and walls and pavement have been properly sealed in accordance with the waterproofing/vapor barrier specifications. The asphalt/concrete pavement were continuous throughout the reporting period and no unsealed penetrations were observed.
- Comment on the condition of the asphalt/concrete pavement. All asphalt/concrete pavement is completed and in good condition.
- Concrete slabs and foundation walls provide cover within the lower levels of the Site building. Are these materials continuous? Describe: Yes, the concrete slabs and foundation walls in the lower levels of the Site building are continuous.
- Comment on the condition of the concrete slabs and foundation walls. The concrete slabs and foundation walls are completed and in good condition.
- Provide any other pertinent information regarding the condition of the cover system here: Visually the cover system was noted to be in good condition.

### **Vapor Barrier System Inspection Checklist**

A visual inspection must be conducted to confirm that the vapor barrier system remains in place. The vapor barrier system is installed beneath the concrete slabs and foundation walls and, therefore, cannot be directly observed. Therefore, monitoring of the vapor barrier system is largely contingent on monitoring of the concrete slab and foundation components. Foundation penetrations should be observed where feasible. The following questions must be answered. Attach additional supporting information as necessary.

- Are the concrete slab and foundation components intact? Describe: Yes, these components were completed during 2009 and all components were observed to be intact during the reporting period.

- Are there any conditions associated with the concrete slab and/or foundation components that suggest the possibility of damage to the vapor barrier system? No. No conditions were observed that suggest damage to the vapor barrier system.
- Do the foundation penetrations exhibit indications of water leakage, soil penetration or other conditions suggesting problems with the foundation seals? Describe: No. No conditions were observed that suggest problems with the foundation seals.
- Is water infiltration observed through any lower-level floors or walls, suggesting possible problems with the vapor barrier system? Describe: No.
- Provide any other pertinent information regarding the condition of the vapor barrier system here: The vapor barrier system was completed during 2009 in conjunction with building construction. The system components were inspected and the outstanding items were addressed in 2009 and 2010. The vapor barrier system was not penetrated during the reporting period.

### **Inspector Information**

Name and Affiliation of Inspector: Ben Cancemi, Senior Hydrogeologist, CPG;  
George Holmes, Hydrogeologist I, FPM Group

Date of Inspection: December 16, 2013

Reason for Inspection: Annual cover system and vapor barrier system inspection.

List additional inspections or activities conducted in association with this inspection: See Attachments to Site-wide inspection.

# SITE-WIDE INSPECTION CHECKLIST

## DECEMBER 22, 2014

**Site-Wide Inspection List  
East River Plaza  
East Harlem, Manhattan, New York**

**Date of Inspection: December 22, 2014**

Site-wide inspections will be performed annually, at a minimum. A site-wide inspection shall also be performed after severe events that may affect the Engineering Controls (ECs) or monitoring wells.

The following inspection form shall be completed during each site-wide inspection. Supporting documentation shall be attached, as necessary. The completed site-wide inspection checklist and supporting documentation shall be included in the associated Annual Site Management Report.

**Compliance with Institutional Controls**

Institutional Controls (ICs) are required under the Remedial Work Plan to: (1) implement, maintain and monitor EC systems; (2) prevent future exposure to residual contamination by controlling disturbances of the subsurface materials; and, (3) restrict the use of the Site to commercial and restricted residential uses only. Adherence to these ICs on the Site (Controlled Property) is required under the Environmental Easement. These ICs are described in Section 2.3 of the Site Management Plan. Please complete the following checklist to confirm compliance with the Site ICs:

- The Controlled Property may be used for commercial use. Confirm whether commercial use is occurring: Commercial use of the property occurred throughout the reporting period.
- The Controlled Property may be used for restricted residential use only above the first floor. Confirm the current locations of residential use: No residential use occurred during the reporting period. The Site development is consistent with future residential use only above the first floor.
- All Engineering Controls (cover system and vapor barrier system) must be operated and maintained as specified in the Site Management Plan for the Controlled Property.

Confirm operation and maintenance of ECs and attach checklists: Throughout the reporting period the cover system and vapor barrier system were completely installed. No penetrations of these systems occurred during the reporting period. The completed EC checklist is attached.

- Annual inspections and certifications must be conducted in accordance with the Site Management Plan. Confirm compliance with annual inspections and certifications: The annual inspections, including the cover system inspection, vapor barrier inspection, and site-wide inspection, were completed. The annual certification is included in the Site Management Periodic Review Report (PRR).
- Groundwater and other environmental or public health monitoring, and reporting of information thus obtained, must be performed in a manner specified in the Site Management Plan (SMP). Confirm that the required monitoring and reporting are in accordance with the SMP: Groundwater monitoring and periodic public health monitoring (i.e. vapors, dust, noise during intrusive activities) are conducted in accordance with the SMP. Groundwater monitoring is reported in the PRR. No periodic public health monitoring occurred during the reporting period as no intrusive activities occurred in the period.
- Onsite environmental monitoring devices, including but not limited to groundwater monitoring wells, will be protected and replaced as necessary to ensure continued functioning in the manner specified in the Site Management Plan. Confirm that monitoring devices have been protected and/or replaced: All environmental monitoring devices have been maintained in accordance with the SMP and are protected. The monitoring wells were observed during the site-wide inspection and no issues were noted.
- Vegetable gardens are prohibited. Confirm the absence of vegetable gardens: There are no vegetable gardens onsite.
- All soil disturbance activities that will impact residual contaminated material, including building renovation/expansion, subgrade utility line repair/relocation, and new construction must be conducted in accordance with the NYSDEC-approved Site

Management Plan. Confirm that these activities are in compliance with the SMP: No soil disturbance activities occurred during the reporting period.

- Use of the groundwater underlying the Controlled Property is prohibited without treatment rendering it safe for the intended purpose. Confirm that groundwater use has not occurred: No use of the groundwater underlying the Site has occurred.
- The Controlled Property may not be used for a higher level of use, such as unrestricted use, and the above-stated engineering controls may not be discontinued without proper notification of the NYSDEC of the change and approval of that use by the NYSDEC, and an amendment of the Site Management Plan approved by the NYSDEC. Confirm continued compliance with the Environmental Easement: The Site is in compliance with the use restrictions and engineering controls in the Environmental Easement.
- Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

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

Confirm that property deed and all subsequent instruments of conveyance are in compliance: The property deed and instruments of conveyance are in compliance with the Environmental Easement. A statement from the Site owner (Grantor) to this effect is attached.

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

incorporate or reference the Environmental Easement: The leases and other right-to-use documents for the Site incorporate or reference the Environmental Easement. A statement for the Site owner (Grantor) to this effect is attached.

- Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury that the controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls employed at the Controlled Property were approved by the NYSDEC, and that nothing has occurred that would impair the ability of such control to protect the public health and environment or constitute a violation or failure to comply with any Site Management Plan for such controls and giving access to such Controlled Property to evaluate continued maintenance of such controls. Confirm the submittal of the Certification Statement: The Certification Statement is included in this PRR.

### **Compliance with Engineering Controls**

Using the completed checklists from Attachment 5 of the Site Management Plan, provide a written evaluation of the condition and continued effectiveness of the ECs: The checklists in Attachment 5 of the SMP were completed and are attached. They document the following condition and effectiveness of the ECs:

- The final cover system EC was completed in 2009 in accordance with the Pavement Plan in the FER and remained in place throughout the reporting period. The cover system continues to minimize potential hazards to the safety and health of the public and is in compliance with the SMP.
- The vapor barrier system EC was completed in 2009 in coordination with the installation of the final elements of the cover system and remained in place throughout the reporting period. The vapor barrier system effectively minimizes potential hazards to the safety and health of the public.

## **General Site Conditions**

Provide a written description of the Site conditions at the time of the site-wide inspection. Attach digital photographs or other supporting information as needed: Each level of the above-grade Site building was occupied throughout the reporting period by a retail tenant. Retail tenants also occupied two sub-grade areas during the reporting period. A digital Photolog is attached showing conditions representative of the reporting period and at the time of the site-wide inspection.

## **Site Management Activities**

Provide a discussion and assessment of ongoing site management activities including, but not limited to, soil/materials management, groundwater monitoring, community air monitoring, nuisance control, well replacement/repair, health and safety monitoring, and other applicable and pertinent activities. Attach supporting documentation as necessary: No groundwater monitoring was conducted as groundwater monitoring was terminated 2011, as approved by the NYSDEC in June 2011. The monitoring wells remain present onsite; no repairs were required in the reporting period. No soil/materials management, community air monitoring, nuisance control or health and safety monitoring were conducted in the reporting period as no intrusive activities (below the Site cover) were conducted.

## **Compliance with Permits and Schedules**

The Operation and Maintenance Plan included in Section 4 of the Site Management Plan does not include any permit requirements but does include a schedule for groundwater monitoring well maintenance. Discuss compliance with the groundwater monitoring well maintenance schedule: The groundwater monitoring wells are checked during each monitoring event as per the SMP and were also checked during the Site-wide inspection. No maintenance was required to the monitoring wells during the reporting period.

## Site Records

The Site records include, but are not limited to, groundwater monitoring reports, EC inspection checklists, site-wide inspection checklists, soil management documents, community air monitoring documents, regulatory agency correspondence, reports, and the Annual Site Management PRR. Confirm that each type of Site record is up to date and provide comments: Each of the referenced documents that was applicable to activities during the reporting period has been kept up to date. Copies of the completed documents are included in the PRR.

## Inspector Information

Name and Affiliation of Inspector(s): George Holmes, Hydrogeologist I, FPM Group.

Date of Inspection: December 22, 2014.

Reason for Inspection: Annual Site-Wide Inspection.

List additional inspections or activities conducted in association with this inspection: See Attachments.

## Attachments:

- Correspondence from Tiago (Site owner) regarding compliance of Site deed, leases, etc. with Environmental Easement.
- Cover System and Vapor Barrier System Inspection Checklist and supporting documents.
- Photolog.

S:\BDG\East River Plaza Brownfields Summary Report 2014\Appb-Sitewideinspectchecklist11192012.Docx

**TIAGO HOLDINGS, LLC  
300 ROBBINS LANE  
SYOSSET, NEW YORK 11791**

May 22, 2015

Mr. Yuk-Yin (Bryan) Wong  
New York State Department of Environmental Conservation  
Region 2 Office  
47-20 21<sup>st</sup> Street  
Long Island City, NY 11101

**Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal**

**Site Name:** East River Plaza  
**Site No.:** C231045  
**Site Address:** FDR Drive between 116<sup>th</sup> & East 119<sup>th</sup> Streets  
New York, NY 10035

Dear Mr. Wong:

I am writing in reference to the above-referenced project and reporting requirements relative to the leasing activity for the reporting period of May 14, 2012 through May 14, 2015. Pursuant to the Site Management Plan ("SMP"), Tiago Holdings, LLC ("Tiago") is required to report on annual leasing activity and confirm that all documents of conveyance entered into during the applicable period include the required language and reference to the Environmental Easement.

Tiago entered into four (4) leasing agreements during the reporting period of May 14, 2012 through May 14, 2015. One of the lease agreements was an assignment agreement entered into on June 1<sup>st</sup>, 2013 between Best Buy Stores, L.P., the previous tenant, and Burlington Coat Factory of New York, LLC, the current tenant. GameStop entered into an agreement with Tiago on March 3<sup>rd</sup>, 2014 to move to a new space within the center. In addition, Tiago entered into lease agreements with The Mount Sinai Hospital on February 26<sup>th</sup>, 2014 for 14,589 square feet and with Planet Fitness (East River Plaza Fitness Group, LLC) on February 26<sup>th</sup>, 2014 for 14,655 square feet.

I am attaching relevant pages from the lease to verify the execution date thereof and the inclusion of the required language. I have also attached a floor plan indicating the location of Planet

Site Management Periodic Review Report 2012 - 2015  
East River Plaza  
Brownfield Cleanup Agreement Index #W2-1068-05-06  
Site No. C231045

May 22, 2015  
Page 2

Fitness and Mount Sinai. Given the location of these tenants, no additional requirements are triggered under the SMP.

If you have any questions or concerns, please do not hesitate to contact Raffaella Petrsek at (516) 624-1973.

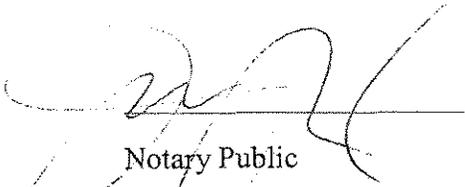
Very truly yours,



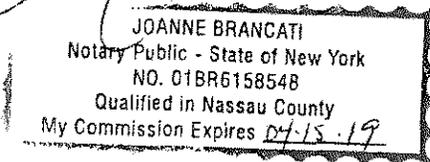
David Blumenfeld  
Tiago Holdings, LLC

Attachments

Sworn before me this 22<sup>nd</sup> day of May, 2015



Notary Public



**SHOPPING CENTER LEASE**

**by and between**

**Tiago Holdings, LLC**

**as Landlord**

**and**

**East River Plaza Fitness Group, LLC**

**as Tenant**

**Dated: as of February 26, 2014**

**LOCATION:**

**Premises within the Shopping Center located  
at the intersection of the FDR Drive and 116th Street, New York, NY**

*Section 9.4. Landlord's Inspection and Cure Rights.*

Landlord and its agents shall have the right, but not the duty, to inspect the Premises upon reasonable prior notice to Tenant from time to time to determine whether Tenant is complying with the terms of this Article 9. If Tenant is not in compliance with this Article 9, Landlord shall have the right, but not the obligation, to immediately enter upon the Premises to remedy said noncompliance at Tenant's expense.

*Section 9.5. Environmental Easement.*

Tenant specifically acknowledges that **the Premises and the Shopping Center are subject to that certain Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law**, which was granted by Landlord in an instrument dated December 20, 2007 and recorded in New York County in CRFN 2007000625401 (the "Environmental Easement"). Landlord represents that Landlord's compliance with the requirements of the Brownfield Cleanup Agreement (as defined in the Environmental Easement) and the Site Management Plan (as defined in the Environmental Easement) (collectively, the "Environmental Agreements") will not interfere in any material respect with the operation of the Premises for the Fitness Facility as contemplated by this Lease. Tenant covenants and agrees that: (a) it shall not cause Landlord to be in default of the requirements of the Environmental Agreements; and (b) Tenant will comply with the provisions of the Environmental Agreements applicable to the Premises.

*Section 9.6. Landlord's Obligations.*

Subject to the Environmental Easement and the Environmental Agreements, Landlord shall not cause or permit any Hazardous Materials to be brought upon, kept, stored, utilized, disposed of or used in the Shopping Center by Landlord, its agents, employees or contractors (except for customary amounts of cleaning supplies used in the ordinary course of business and in compliance with all Requirements). If Hazardous Materials are discovered in the Shopping Center and require remediation under applicable Environmental Law and such contamination was caused by the acts or omissions of Landlord, its agents, employees or contractors, then Landlord, at its sole cost and expense, shall remove with reasonable due diligence the Hazardous Materials in accordance with applicable Requirements (the "Abatement Work") and repair or replace all improvements damaged by the Abatement Work. If Landlord breaches its obligations under this Article 9, or if the presence of Hazardous Materials in or on the Premises caused or permitted by Landlord, its agents, employees or contractors results in contamination of the Premises, then Landlord shall indemnify, defend and hold Tenant harmless from and against any and all claims, judgments, damages, penalties, fines, costs, liabilities or losses (including sums paid in settlement of claims, reasonable attorneys' fees and disbursements, consultant fees and expert fees) which arise during or after the Term as a result of such contamination. The indemnification of Tenant by Landlord herein includes costs incurred in connection with any investigation of site conditions or any clean-up, and any remedial, removal or restoration work required by any federal, state or local governmental agency or political subdivision because of Hazardous Materials present in or on the Premises for which Landlord is responsible hereunder.

**SHOPPING CENTER LEASE**

**by and between**

**Tiago Holdings, LLC**

**as Landlord**

**and**

**The Mount Sinai Hospital**

**as Tenant**

Dated: as of February *26*, 2014

**LOCATION:**

**Premises within the Shopping Center located  
at the intersection of the FDR Drive and 116th Street, New York, NY**

restoration work required by any federal, state or local governmental agency or political subdivision because of Hazardous Materials present in or on the Premises for which Tenant is responsible hereunder. Without limiting the foregoing, if the presence of any Hazardous Materials in or on the Premises caused or permitted by Tenant Responsible Parties results in any contamination of the Premises, Tenant shall promptly take all actions as are necessary to return the Premises to the condition existing prior to the introduction of any such Hazardous Materials to the Premises; provided that Landlord's written approval of such actions shall first be obtained, which approval shall not be unreasonably withheld, conditioned or delayed.

(b) Landlord represents that, to its actual knowledge, (i) any handling, transportation, storage, treatment or use of Hazardous Materials that may have occurred with respect to the Shopping Center prior to the Commencement Date have been in compliance with applicable Environmental Laws, (ii) except as disclosed in environmental reports and/or audits obtained by Landlord with respect to the Shopping Center (copies of which will be available for inspection by Tenant following Tenant's written request therefor) or as disclosed in the Environmental Easement (and/or documentation referred to therein), no leak, spill, release, discharge, emission or disposal of Hazardous Materials has occurred on the Shopping Center prior to the Commencement Date and (iii) the Shopping Center is currently free of any Hazardous Materials that are not in compliance with applicable Environmental Laws.

#### Section 9.2. *Definitions.*

As used herein, the term "Hazardous Materials" means any substance or substances which are (i) defined under any Environmental Law (defined below) as a hazardous substance, hazardous waste, hazardous material, pollutant or contaminant, (ii) a petroleum hydrocarbon, including crude oil or any fraction thereof, (iii) hazardous, toxic, corrosive, flammable, explosive, infectious, radioactive, carcinogenic or a reproductive toxicant or (iv) otherwise regulated pursuant to any Environmental Law. The term "Environmental Law" shall mean all federal, state and local laws, statutes, ordinances, regulations, rules, judicial and administrative orders and decrees, permits, licenses, approvals, authorizations and similar requirements of all federal, state and local governmental agencies or other governmental authorities pertaining to the protection of human health and safety or the environment now existing or later adopted during the Term.

#### Section 9.3. *Survival of Obligations.*

The obligations of Tenant and Landlord under this Article 9 shall survive the Expiration Date and the Early Termination Date (if any).

#### Section 9.4. *Landlord's Inspection and Cure Rights.*

Landlord and its agents shall have the right, but not the duty, to inspect the Premises, during reasonable hours and upon reasonable prior notice to Tenant from time to time to determine whether Tenant is complying with the terms of this Article 9. If Tenant is not in compliance with this Article 9, Landlord shall have the right, but not the obligation, to immediately enter upon the Premises to remedy said noncompliance at Tenant's expense.

#### Section 9.5. *Environmental Easement.*

Tenant specifically acknowledges that **the Premises and the Shopping Center are subject to that certain Environmental Easement held by the New York State Department of Environmental Conservation pursuant to**

**Title 36 of Article 71 of the Environmental Conservation Law**, which was granted by Landlord in an instrument dated December 20, 2007 and recorded in New York County in CRFN 2007000625401 (the "Environmental Easement"). Landlord represents that Landlord's compliance with the requirements of the Brownfield Cleanup Agreement (as defined in the Environmental Easement) and the Site Management Plan (as defined in the Environmental Easement) (collectively, the "Environmental Agreements") will not interfere with the Permitted Use as contemplated by this Lease. Tenant covenants and agrees that, subject to Tenant's right to use the Premises for the Permitted Use: (a) it shall not cause Landlord to be in default of the requirements of the Environmental Agreements; and (b) Tenant will comply with the provisions of the Environmental Agreements applicable to the Premises.

Section 9.6. *Landlord's Obligations.*

(a) Subject to the Environmental Easement and the Environmental Agreements, Landlord shall not cause or permit any Hazardous Materials to be brought upon, kept, stored, utilized, disposed of or used in the Shopping Center by Landlord, its agents, employees or contractors (except for customary amounts of cleaning supplies used in the ordinary course of business and in compliance with all Requirements). If Hazardous Materials are discovered in the Shopping Center and require remediation under applicable Environmental Law, then Landlord shall remove or cause to be removed (at no expense to Tenant) with reasonable due diligence the Hazardous Materials in accordance with applicable Requirements (the "Abatement Work") and repair or replace all improvements damaged by the Abatement Work. If the presence of Hazardous Materials in or on the Premises caused or permitted by Landlord, its agents, employees or contractors results in contamination of the Premises, then Landlord shall indemnify, defend and hold Tenant harmless from and against any and all claims, judgments, damages, penalties, fines, costs, liabilities or losses (including sums paid in settlement of claims, reasonable attorneys' fees and disbursements, consultant fees and expert fees) which arise during or after the Term as a result of such contamination. The indemnification of Tenant by Landlord herein includes costs incurred in connection with any investigation of site conditions or any clean-up, and any remedial, removal or restoration work required by any federal, state or local governmental agency or political subdivision because of Hazardous Materials present in or on the Premises for which Landlord is responsible hereunder.

(b) In the event (i) Hazardous Materials are present at the Premises or the Shopping Center due to the acts of any party other than Tenant Responsible Parties, and/or future remediation work is required to remove and/or monitor the Hazardous Materials caused to be present by any party other than Tenant Responsible Parties, (ii) the presence, remediation and monitoring of such Hazardous Materials materially and adversely affects the operation of Tenant's business for in excess of seven (7) consecutive days (a "Hazardous Materials Event"), and (iii) Tenant has closed its business conducted at the Premises by reason of the Hazardous Materials Event, then upon thirty (30) days' prior written notice of such event to Landlord and Landlord's failure to correct the Hazardous Materials Event within such thirty (30)-day period (provided, however, that Landlord shall not be deemed to be in default if such correction is incapable of being cured within thirty (30) days, Landlord has commenced curing the same within the thirty (30)-day period, and thereafter diligently pursues the completion), Tenant shall have the right to abate Rent in full until the earlier of the date that (A) the Hazardous Materials Event is remediated or cured to the satisfaction of applicable governmental authorities, as documented by such authorities, or (B) Tenant reopens for business in the Premises.

**ARTICLE 10 - INTENTIONALLY OMITTED**

## ASSIGNMENT AND ASSUMPTION OF LEASE

FOR VALUE RECEIVED, BEST BUY STORES, L.P. ("Assignor"), a Virginia limited partnership having an address at 7601 Penn Avenue South, Richfield, MN 55423, does hereby assign, transfer and deliver unto BURLINGTON COAT FACTORY OF NEW YORK, LLC ("Assignee"), a New York limited liability company having an office at 1830 Route 130 North, Burlington, NJ 08016, all of its right, title and interest in and to that certain Lease dated as of November 7, 2006, as amended by a First Amendment to Lease dated as of February 9, 2010 (collectively, the "Lease"), pursuant to which Tiago Holdings, LLC ("Landlord") leased to Assignor and Assignor leased from Landlord certain premises located in the Shopping Center known as "East River Plaza" located at the intersection of the FDR Drive and 116th Street, New York, NY, as more particularly described in the Lease;

TO HAVE AND TO HOLD the same unto Assignee, its successors and assigns, forever, from and after the date hereof, subject to the terms, covenants, conditions and provisions of the Lease.

AND Assignee does hereby (a) accept the within assignment and (b) subject to the terms of the Assignment Agreement (as hereinafter defined), assume the performance of all the terms, covenants and conditions of the Lease on the part of the tenant which accrue from and after the date hereof.

1. This Assignment and Assumption of Lease is made without warranty or representation by Assignor and without recourse to Assignor in any manner whatsoever, express or implied, except as set forth in that certain Agreement of Assignment and Assumption of Lease dated as of June 1, 2013 by and between Landlord, Assignor, Assignee and Best Buy Co., Inc. (the "Assignment Agreement").

2. This Assignment and Assumption of Lease shall inure to the benefit of Assignee and Assignor and their respective successors and assigns, and shall be governed by the laws of the State of New York. This assignment and assumption agreement may not be modified, altered or amended, or its terms waived, except by an instrument in writing signed by the parties hereto.

3. This Assignment and Assumption of Lease may be executed in any number of counterparts and by different parties hereto in separate counterparts, each of which when so executed shall be deemed an original and all of which taken together shall constitute one and the same instrument. Signatures (and notarizations thereof) transmitted by facsimile or email, through scanned or electronically transmitted .pdf, .jpg or .tif files, shall have the same effect as the delivery of original signature pages and shall be binding upon and enforceable against the parties hereto as if such facsimile or scanned documents were an original executed counterpart.

[SIGNATURES APPEAR ON NEXT PAGE]

## CONSENT TO EASEMENT

THIS CONSENT TO EASEMENT, made as of the <sup>19<sup>th</sup></sup> day of December, 2007, by BEST BUY STORES, L.P., having its principal office at c/o Best Buy Co., Inc., 7603 Penn Avenue South, Richfield, Minnesota 55423 ("Tenant"), in favor of TIAGO HOLDINGS, LLC, having its principal office at c/o Blumenfeld Development Group, Ltd., 300 Robbins Lane, Syosset, New York 11791 ("Landlord")

### WITNESSETH:

WHEREAS, Landlord and Tenant entered into that certain lease dated as of November 7, 2006 (the "Lease") for premises (the "Premises") to be located within certain improvements being constructed by Landlord on certain real property (the "Land"), as more particularly described in the Lease;

WHEREAS, the Land was the subject of an environmental remediation program, and, as such, the New York State Department of Environmental Conservation is requiring Landlord to enter into that certain Environmental Easement with respect to the Land (the "Easement"), the form of which is annexed hereto as Exhibit A and made a part hereof; and

WHEREAS, Tenant, at the request of Landlord, has agreed to consent to the Easement such that the Lease is subject thereto as hereinafter provided.

NOW THEREFORE, in consideration of TEN and 00/100 DOLLARS lawful money of the United States and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Tenant agrees as follows:

1. Tenant's leasing of the Premises by virtue of the Lease is and shall be subject to, and to the extent applicable to the Premises and Tenant's occupancy thereof, Tenant shall abide by, the terms and provisions of the Easement.
2. Such Easement shall constitute a Permitted Exception (as defined in the Lease).
3. The following provision shall be added as new Section 37.15 of the Lease:

**The Premises are located within property that 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.**

**COPY**

**SHOPPING CENTER LEASE**

**by and between**

**Tiago Holdings, LLC**

**as Landlord**

**and**

**GameStop, Inc.**

**as Tenant**

**Dated: As of December 4, 2008**

**LOCATION:**

**Premises within the Shopping Center located  
at the intersection of the FDR Drive and 116th Street, New York, NY**



Shopping Center by Landlord (or its employees, contractors and agents), by third parties unrelated to either Landlord or Tenant or by other occupants of the Shopping Center. In the event that any Requirements or governmental entities require the Premises to be inspected, tested or surveyed for the presence of any Hazardous Materials prior to Tenant's occupancy of the Premises, or during Tenant's occupancy of the Premises by reason of the installation, storage or placement of such Hazardous Materials in or upon the Premises prior to Tenant's occupancy, Landlord, at its sole cost and expense, shall perform such required activities.

Section 9.2. *Definitions.* As used herein, the term "Hazardous Materials" means any substance or substances which are (i) defined under any Environmental Law (defined below) as a hazardous substance, hazardous waste, hazardous material, pollutant or contaminant, (ii) a petroleum hydrocarbon, including crude oil or any fraction thereof, (iii) hazardous, toxic, corrosive, flammable, explosive, infectious, radioactive, carcinogenic or a reproductive toxicant or (iv) otherwise regulated pursuant to any Environmental Law. The term "Environmental Law" shall mean all federal, state and local laws, statutes, ordinances, regulations, rules, judicial and administrative orders and decrees, permits, licenses, approvals, authorizations and similar requirements of all federal, state and local governmental agencies or other governmental authorities pertaining to the protection of human health and safety or the environment now existing or later adopted during the Term.

Section 9.3. *Survival of Obligations.* The obligations of Tenant under this Article 9 shall survive the Expiration Date and the Early Termination Date (if any).

Section 9.4. *Landlord's Inspection and Cure Rights.* Landlord and its agents shall have the right, but not the duty, to inspect the Premises from time to time to determine whether Tenant is complying with the terms of this Article 9. If Tenant is not in compliance with this Article 9, Landlord shall have the right, but not the obligation, to immediately enter upon the Premises to remedy said noncompliance at Tenant's expense.

Section 9.5. *Environmental Easement.* Tenant specifically acknowledges that **the Premises and the Shopping Center are subject to that certain Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law**, which was granted by Landlord in an instrument dated December 20, 2007 and recorded in New York County in CRFN 2007000625401 (the "Environmental Easement"). Landlord represents that Landlord's compliance with the requirements of the Brownfield Cleanup Agreement (as defined in the Environmental Easement) and the Site Management Plan (as defined in the Environmental Easement) (collectively, the "Environmental Agreements") will not interfere in any material respect with the operation of a retail store in the Premises. Tenant covenants and agrees that: (a) it shall not cause Landlord to be in default of the requirements of the Environmental Agreements; and (b) Tenant will comply with the provisions of the Environmental Agreements applicable to the Premises.

#### ARTICLE 10 - INTENTIONALLY OMITTED

#### ARTICLE 11 - FIXED MINIMUM RENT

Commencing on the Rent Commencement Date, Tenant shall pay to Landlord, as Fixed Minimum Rent for the Premises, the amount(s) set forth in Section 1.1(f), said amount(s) to be due and payable in monthly installments, in advance, on the first day of each and every calendar month thereafter throughout the Term. Tenant shall at no time pay the Fixed Minimum Rent more than one (1) month in

FIRST AMENDMENT TO SHOPPING CENTER LEASE

FIRST AMENDMENT TO SHOPPING CENTER LEASE (this "Amendment") is made this 3<sup>rd</sup> day of March, 2014 between TIAGO HOLDINGS, LLC, a New York limited liability company, having an address c/o Blumenfeld Development Group, Ltd., 300 Robbins Lane, Syosset, New York 11791, as landlord ("Landlord"), and GAMESTOP, INC., a Minnesota corporation, having an address at 625 Westport Parkway, Grapevine, Texas 76051, as tenant ("Tenant").

WITNESSETH:

WHEREAS, Landlord and Tenant have entered into that certain Shopping Center Lease dated as of December 4, 2008 (the "Lease") with respect to the premises more particularly described therein (the "Existing Premises") within the retail shopping center commonly known as "East River Plaza" located at the intersection of the FDR Drive and 116<sup>th</sup> Street, New York, New York (the "Shopping Center");

WHEREAS, Landlord and Tenant desire to amend the Lease to, among other things, (a) provide for Tenant's surrender of the Existing Premises, and (b) provide for Tenant's occupancy of the premises shown on the plan of premises annexed hereto and made a part hereof as Exhibit "A" consisting of approximately 3,000 square feet in gross leasable area on the second floor of the Shopping Center (the "Relocated Premises").

NOW, THEREFORE, in consideration of the mutual premises contained herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

A. The recitals are specifically incorporated into the body of the Amendment and shall be binding upon the parties hereto. The words and terms used herein without definition shall have the meaning ascribed to them in the Lease.

B. The Term of the Lease began February 10, 2010. The expiration date for this Term shall be June 30, 2020.

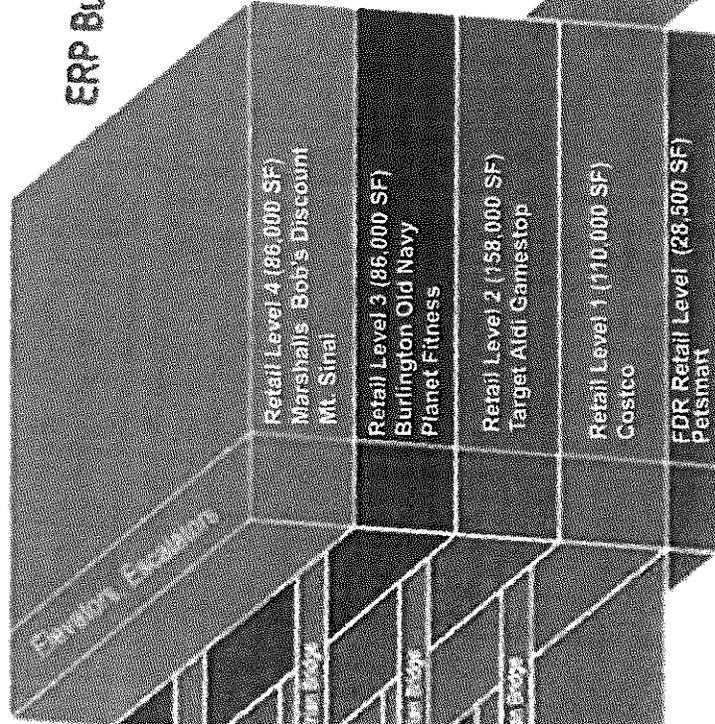
C. As of the Relocated Premises Completion Date (as hereinafter defined), the Lease is amended as follows:

1. Section 1.1(b) of the Lease is amended so that the Premises GLA, as defined therein, shall mean the gross leasable area of the Relocated Premises, which the parties agree shall be 3,000 square feet.

2. Section 1.1(f) of the Lease is amended to provide that the Fixed Minimum Rent of the Premises from the Relocated Premises Completion Date shall be as follows:

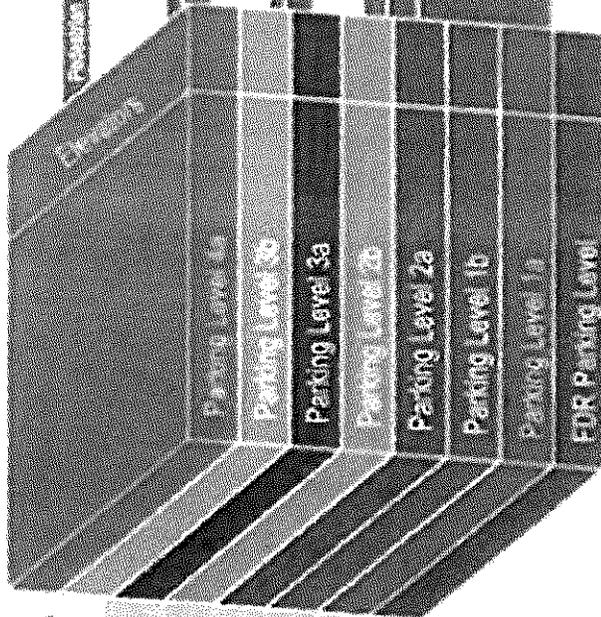
Relocated Premises Completion Date – 06/30/15:	\$78.00 per square foot of Premises GLA, \$234,000.00 per annum (\$19,500.00 per month)
07/01/15-06/30/20:	\$88.00 per square foot of Premises GLA, \$264,000.00 per annum (\$22,000.00 per month)

# ERP Building "A"



# ERP Building "B"

Level 4	Available Space 4,326 SF
Level 3	Available Space 4,326 SF
Level 2	Available Space 3,488 SF
Level 1	Available Space 3,431 SF



E. 116'

FDR Drive

E. 119'

**COVER SYSTEM AND VAPOR BARRIER  
SYSTEM CHECKLIST  
DECEMBER 22, 2014**

**Cover System and Vapor Barrier System  
Inspection Checklist  
East River Plaza, Manhattan, New York**

**Date of Inspection: December 22, 2014**

**Description of Cover System and Vapor Barrier System**

This property is equipped with a surface cover system, including pavement, concrete slabs at the lowest level of the building, and/or at least one foot of cover gravel underlain by Mirafi fabric. The Pavement Plan in Appendix P of the Final Engineering Report (FER) shows the approved design for the final concrete/asphalt cover at this Site. An as-built survey in Appendix P shows the gravel cover system.

The property building is also equipped with a vapor barrier and seal system. This system includes a positive-side waterproofing membrane beneath the slab, pile caps and elevator pits. The foundation walls are also waterproofed using a similar sheet membrane material. Penetrations through the slab and walls for pipes and duct banks are also sealed. Vapor barrier and seal materials are specified in the foundation construction documents included in Appendix Q of the FER.

Activities that have the potential to disrupt the cover system and/or vapor barrier system must be reported in advance to the property owner such that they can be monitored and documented and any necessary repairs made. Examples of activities that may disturb the cover and/or vapor barrier systems include:

- Cutting or removal of pavement
- Breakup or significant deterioration of pavement/slab
- Cutting or removal of concrete slab or foundation materials on lowest level of building
- Planting or removal of vegetation (trees/shrubs) through the pavement or slab
- Excavations for subsurface utilities or other purposes
- Any activities that may disturb the ground

The cover and vapor barrier systems must be inspected at least annually. More frequent inspections may be conducted during construction activities with the potential to affect these

systems. An inspection shall also be conducted following a severe condition (flood, fire, etc.) with the potential to affect the cover and/or vapor barrier systems. The following checklist shall be used during each inspection. Supplemental information should be attached to the checklist, if needed. Copies of completed checklists and any supplemental information will be included in the Annual Site Management Report.

Notifications to the NYSDEC are required for the following conditions:

- 10-day advance notice of any significant proposed ground-intrusive activities;
- 48-hour notice of any damage or defect to the foundation structures that reduces or has the potential to reduce the effectiveness of the cover system and/or vapor barrier system; and
- 48-hour notification following any severe condition with the potential to affect the cover system and/or vapor barrier system.

Follow-up status reports for the above conditions must be submitted to the NYSDEC within 45 days. Additional information concerning notifications is included in Section 2.4.2 of the Site Management Plan (SMP).

#### **Cover System Inspection Checklist:**

A visual inspection of the entire cover system throughout the Site must be conducted, to include the gravel, asphalt, concrete pavement and/or concrete slab. Representative digital photographs must be taken showing the cover extent, nature and condition. The following questions must be answered. Please attach supporting information as necessary.

- If gravel is present, note and describe its thickness and continuity: Throughout the reporting period 100 percent of the Site was covered with asphalt or concrete pavement and/or concrete slab.
- The approved gravel cover is constructed of ¾-inch washed RCA provided by Tilcon of New York. What is the nature of the observed gravel cover? Is it consistent with the approved gravel cover? The gravel cover is presently covered by the final asphalt/concrete cover and could not generally be observed.

- The gravel is underlain by Mirafi fabric. Is any of the fabric visible? If so, describe the condition: No Mirafi fabric is currently visible as it is covered by the asphalt/concrete pavement and/or slab.
- Asphalt and/or concrete pavement provide cover for the on-grade portions of the site. Are these materials continuous or are there penetrations? Describe: All previous penetrations in the concrete slab, and walls and pavement have been properly sealed in accordance with the waterproofing/vapor barrier specifications. The asphalt/concrete pavement were continuous throughout the reporting period and no unsealed penetrations were observed.
- Comment on the condition of the asphalt/concrete pavement. All asphalt/concrete pavement is completed and in good condition.
- Concrete slabs and foundation walls provide cover within the lower levels of the Site building. Are these materials continuous? Describe: Yes, the concrete slabs and foundation walls in the lower levels of the Site building are continuous.
- Comment on the condition of the concrete slabs and foundation walls. The concrete slabs and foundation walls are completed and in good condition.
- Provide any other pertinent information regarding the condition of the cover system here: Photographs representative of conditions during the reporting period are attached to the Site-wide Inspection Checklist and show the location, nature and condition of the cover materials.

### **Vapor Barrier System Inspection Checklist**

A visual inspection must be conducted to confirm that the vapor barrier system remains in place. The vapor barrier system is installed beneath the concrete slabs and foundation walls and, therefore, cannot be directly observed. Therefore, monitoring of the vapor barrier system is largely contingent on monitoring of the concrete slab and foundation components. Foundation penetrations should be observed where feasible. The following questions must be answered. Attach additional supporting information as necessary.

- Are the concrete slab and foundation components intact? Describe: Yes, these components were completed during 2009 and all components were observed to be intact during the reporting period.
- Are there any conditions associated with the concrete slab and/or foundation components that suggest the possibility of damage to the vapor barrier system? No. No conditions were observed that suggest damage to the vapor barrier system.
- Do the foundation penetrations exhibit indications of water leakage, soil penetration or other conditions suggesting problems with the foundation seals? Describe: No. No conditions were observed that suggest problems with the foundation seals.
- Is water infiltration observed through any lower-level floors or walls, suggesting possible problems with the vapor barrier system? Describe: No.
- Provide any other pertinent information regarding the condition of the vapor barrier system here: The vapor barrier system was completed during 2009 in conjunction with building construction. The system components were inspected and the outstanding items were addressed in 2009 and 2010. The vapor barrier system was not penetrated during the reporting period.

### **Inspector Information**

Name and Affiliation of Inspector: George Holmes, Hydrogeologist II, FPM Group

Date of Inspection: December 22, 2014

Reason for Inspection: Annual cover system and vapor barrier system inspection.

List additional inspections or activities conducted in association with this inspection: See Attachments to Site-wide inspection.

# PHOTOLOG DECEMBER 22, 2014



Photo #1 – View of the Site building looking east down East 117<sup>th</sup> Street. Site garage is on the right in the background and Site building is on the left.



Photo #2 – View of the Site building looking north up FDR Drive.



Photo #3 – View of well M-8 (representative of other site monitoring wells)..



Photo #4 – View of sign in parking garage showing commercial tenants occupying the Site.

# NYSDEC INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM



Enclosure 2  
**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
**Site Management Periodic Review Report Notice**  
**Institutional and Engineering Controls Certification Form**



	Site Details	Box 1	
<b>Site No.</b>	<b>C231045</b>		
<b>Site Name</b> East River Plaza			
Site Address: FDR Drive btwn East 116th & East 119th Streets		Zip Code: 10035	
City/Town: New York			
County: New York			
Site Acreage: 4.5			
Reporting Period: May 14, 2012 to May 14, 2015			
		YES	NO
1.	Is the information above correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	If NO, include handwritten above or on a separate sheet.		
2.	Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.	Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.	Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? <i>see attached list</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<b>If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.</b>		
5.	Is the site currently undergoing development?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<b>Box 2</b>	
		YES	NO
6.	Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.	Are all ICs/ECs in place and functioning as designed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.</b>			
<b>A Corrective Measures Work Plan must be submitted along with this form to address these issues.</b>			
Signature of Owner, Remedial Party or Designated Representative		Date	

**Box 2A**

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

YES NO

**If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.**

9. Are the assumptions in the Qualitative Exposure Assessment still valid?  
(The Qualitative Exposure Assessment must be certified every five years)

**If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.**

**SITE NO. C231045**

**Box 3**

**Description of Institutional Controls**

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
1715-22	Tiago Holdings, LLC	Ground Water Use Restriction Building Use Restriction Site Management Plan
<p>The Controlled Property may be used for commercial use and restricted residential use as long as the following long-term Engineering and Institutional Controls are employed:</p> <ul style="list-style-type: none"> <li>a) all engineering controls must be operated and maintained as specified in the Site Management Plan submitted by Grantor and approved by the Department for the Controlled Property (the "Site Management Plan"). No Engineering and Institutional Controls may be discontinued without a NYSDEC-approved amendment or extinguishment of this Environmental Easement;</li> <li>b) Annual inspections of the Controlled Property, certifications of Engineering and Institutional Controls and usage of Controlled Property, and Site Management Reporting to the Department must be conducted in accordance with the NYSDEC-approved Site Management Plan;</li> <li>c) groundwater and other environmental or public health monitoring, and reporting of information thus obtained, must be performed in a manner specified in the Site Management Plan;</li> <li>d) onsite environmental monitoring devices, including but not limited to, groundwater monitor wells, must be protected and replaced as necessary to ensure continued functioning in the manner specified in the NYSDEC-approved Site Management Plan;</li> <li>e) vegetable gardens are prohibited; and</li> <li>f) residential habitation will not take place in the basement or first floor and shall only occur above the first floor.</li> </ul> <p>The Controlled Property may not be used for a higher level of use such as unrestricted use and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.</p>		
1716-8	Tiago Holdings, LLC	Site Management Plan  Ground Water Use Restriction Building Use Restriction
<p>The Controlled Property may be used for commercial use and restricted residential use as long as the following long-term Engineering and Institutional Controls are employed:</p> <ul style="list-style-type: none"> <li>a) all engineering controls must be operated and maintained as specified in the Site Management Plan submitted by Grantor and approved by the Department for the Controlled Property (the "Site Management Plan"). No Engineering and Institutional Controls may be discontinued without a NYSDEC-approved amendment or extinguishment of this Environmental Easement;</li> <li>b) Annual inspections of the Controlled Property, certifications of Engineering and Institutional Controls and usage of Controlled Property, and Site Management Reporting to the Department must be conducted in accordance with the NYSDEC-approved Site Management Plan;</li> <li>c) groundwater and other environmental or public health monitoring, and reporting of information thus obtained, must be performed in a manner specified in the Site Management Plan;</li> <li>d) onsite environmental monitoring devices, including but not limited to, groundwater monitor wells, must be protected and replaced as necessary to ensure continued functioning in the manner specified in the NYSDEC-approved Site Management Plan;</li> <li>e) vegetable gardens are prohibited; and</li> <li>f) residential habitation will not take place in the basement or first floor and shall only occur above the first floor.</li> </ul> <p>The Controlled Property may not be used for a higher level of use such as unrestricted use and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.</p>		

**Box 4**

**Description of Engineering Controls**

Parcel  
1715-22

Engineering Control

Subsurface Barriers  
Cover System

1716-8

Cover System  
Subsurface Barriers

Box 5

**Periodic Review Report (PRR) Certification Statements**

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

b) 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 is accurate and complete.

YES NO

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) 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;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

**A Corrective Measures Work Plan must be submitted along with this form to address these issues.**

\_\_\_\_\_  
Signature of Owner, Remedial Party or Designated Representative

\_\_\_\_\_  
Date

IC CERTIFICATIONS  
SITE NO. C231045

Box 6

**SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE**

I certify that all information and statements in Boxes 1, 2, and 3 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 Edward Blumenfed at 300 Robbins Lane, Syosset, NY 11791  
print name print business address

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

  
Signature of Owner, Remedial Party, or Designated Representative  
Rendering Certification

June 12, 2015  
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 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 KEVIN LOYST at FPM GROUP 909 MARCONI AVE RONKONKOMA NY, 11779  
print name print business address

am certifying as a Professional Engineer for the \_\_\_\_\_  
(Owner or Remedial Party)



Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification



6-5-15  
Date

dob/permits

East River Plaza  
 NYC DOB Work Permits  
 May 2014 through April 8, 2015

Permit Num	Property	Issued	Permit Type	Expires	Status	Description 1
122142154-01-PL	East River Plaza (517 East 117th St)	3/24/2015	Plumbing	3/23/2016	ISSUED	PLUMBING - ALTERATION TYPE 2
122085929-01-EW-SP	East River Plaza (517 East 117th St)	12/17/2014	Equipment	12/17/2015	ISSUED	ALTERATION TYPE 2 - SPRINKLER
122069769-03-PL	East River Plaza (517 East 117th St)	12/17/2014	Plumbing	12/17/2015	ISSUED	PLUMBING - ALTERATION TYPE 2
122142154-01-PL	East River Plaza (517 East 117th St)	11/17/2014	Plumbing	11/17/2015	ISSUED	PLUMBING - ALTERATION TYPE 2
122160534-01-PL	East River Plaza (517 East 117th St)	10/15/2014	Plumbing	10/15/2015	ISSUED	PLUMBING - ALTERATION TYPE 2
121950273-01-EW-SP	East River Plaza (517 East 117th St)	8/21/2014	Equipment	8/21/2015	ISSUED	ALTERATION TYPE 2 - SPRINKLER
121950273-01-PL	East River Plaza (517 East 117th St)	7/24/2014	Plumbing	7/24/2015	ISSUED	PLUMBING - ALTERATION TYPE 2
122069769-03-EW-MH	East River Plaza (517 East 117th St)	8/20/2014	Equipment	5/31/2015	ISSUED	ALTERATION TYPE 2 - MECH/HVAC
122069769-01-EW-OT	East River Plaza (517 East 117th St)	8/20/2014	Equipment	5/31/2015	ISSUED	ALTERATION TYPE 2 - GEN. CONSTR.
122069769-02-EW-OT	East River Plaza (517 East 117th St)	8/20/2014	Equipment	5/31/2015	ISSUED	ALTERATION TYPE 2 - STRUCTURAL
122142154-01-EW-OT	East River Plaza (517 East 117th St)	9/23/2014	Equipment	5/27/2015	ISSUED	ALTERATION TYPE 2 - GEN. CONSTR.
121950273-01-EW-OT	East River Plaza (517 East 117th St)	6/25/2014	Equipment	5/15/2015	ISSUED	ALTERATION TYPE 2 - GEN. CONSTR.
121950273-01-EW-MH	East River Plaza (517 East 117th St)	6/25/2014	Equipment	5/15/2015	ISSUED	ALTERATION TYPE 2 - MECH/HVAC
122001430-01-SG	East River Plaza (517 East 117th St)	5/9/2014	Sign	5/9/2015	ISSUED	SIGN -
122001421-01-SG	East River Plaza (517 East 117th St)	5/8/2014	Sign	5/8/2015	ISSUED	SIGN -
121994173-01-SG	East River Plaza (517 East 117th St)	5/8/2014	Sign	5/8/2015	ISSUED	SIGN -

**APPENDIX C**

**RESUMES OF ENVIRONMENTAL PROFESSIONALS**



Ms. Davis has diversified experience in geology and hydrogeology. Her professional technical experience includes groundwater, soil, and soil vapor investigations, design and management of soil and groundwater remediation projects, design and installation of groundwater containment systems, design and evaluation of soil vapor mitigation systems, groundwater flow modeling, aquifer testing and interpretation, evaluation of site compliance with environmental regulations, environmental permitting, and personnel training. Ms. Davis presently manages several large-scale investigation and remedial programs, including program scopes, budgets, staffing, and schedules.

Functional Role	Title	Years of Experience
Senior Project Manager	Corporate Vice President	30+

## Personal Data

### Education

M.S./1984/Geology/University of Southern California  
B.S./1981/Geology/Bucknell University

### Registration and Certifications

Certified Professional Geologist #9487, (AIPG) 1995  
California Registered Geologist #5192, 1991  
Pennsylvania Registered Geologist #PG-000529-G, 1994  
OSHA – Approved 40 hour Health and Safety Training Course (1990)  
OSHA - Approved 8 hour Health and Safety Training Refresher Courses (1991-Present)  
OSHA-Approved 8-hour Site Safety Supervisor Training Course (2008)  
National Ground Water Association  
Long Island Association of Professional Geologists  
USEPA Triad Training for Practitioners

### Employment History

1993-Present FPM Group  
1992-1993 Chevron Research and Technology Co.  
1990-1992 Chevron Manufacturing Co.  
1984-1990 Chevron Exploration, Land, and Production Company

### Continuing Education

- o Treatment of Contaminated Soil and Rock
- o Groundwater Pollution and Hydrology
- o Environmental Law and Regulation
- o Remedial Engineering
- o Soil and Foundation Engineering
- o Environmental Geochemistry
- o Project Management Professional (PMP) training

## Detailed Experience

### Site Investigations

- **Program Manager** for ongoing investigation and remedial projects at several New York State Inactive Hazardous Waste Disposal sites, Voluntary Cleanup Program (VCP) sites, and Brownfield Cleanup Program (BCP) sites. Investigations have included site characterization, Remedial Investigations/Feasibility Studies (RI/FS), and

Resource Conservation and Recovery Act (RCRA) facility investigations and closures. Remedial services have included contaminated soil removal; ORC and HRC injections; design, installation, and operation of air sparge/soil vapor extraction (AS/SVE) systems and sub-slab depressurization systems (SSDS), capping, and other remedial services.

- **Program Manager, NYS BCP Site, Far Rockaway, NY.** Managed all aspects of pre-application investigation, BCP application, RI Work Plan development, and Citizen Participation Plan (CPP) for a chlorinated solvent site. Responsible for scope development, NYSDEC and NYSDOH coordination, budget, schedule, staffing, and report management.
- **Program Manager, Site Characterization (SC) for NYS Inactive Hazardous Waste Disposal Site, Flushing, NY.** Responsible for SC scope development, budget, schedule, SC Work Plan and report review, staffing, and agency negotiations for a chlorinated solvent site undergoing residential redevelopment.
- **Program Manager** for all Phase I ESA, Phase II investigations, and remediation projects for a major commercial developer on Long Island, New York. Projects have included environmental services associated for the purchase and redevelopment of office buildings, aerospace facilities, former research and development facilities, and large manufacturing plants. Remedial services have included RCRA closures, UIC closures, tank removals, and BCP projects.
- **Program Manager, Remedial Investigation/Feasibility Study (RI/FS), Levittown, NY.** Managed all aspects of RI/FS for a Class 2 Inactive Hazardous Waste Disposal (Superfund) site involving chlorinated solvents. Responsibilities included RI/FS scope, budget and schedule development, RI/FS work plan, HASP, CAMP, and QAPP, coordination with client, tenants, and regulatory agencies, report review, remedial approach development, and conceptual design.

- **Project Manager, RCRA Facilities Investigation (RFI), Barksdale AFB, LA, AFCEE.** Responsible for all aspects of field program planning, solicitation and selection of subcontractors, mobilization and establishment of a field office, supervising multiple field crews, installation and sampling of monitoring wells, collection and soil samples, data tracking and management and preparation of an RFI report. The scope of work included characterization of the nature and extent of groundwater and soil contamination at thirteen Solid Waste Management Units (SWMUs), performing a base-wide evaluation of background contaminant concentrations, and developing a long-term monitoring (LTM) program for the base.
- **Field Services Manager, UST Investigation, Plattsburgh AFB, NY, AFCEE.** Responsible for field crew training, coordination of sampling crews at multiple sites, sample labeling, handling, tracking, and shipping, field data management and remote field office management. The scope of work included collection of over 450 groundwater samples to characterize groundwater conditions in the vicinity of 150 USTs using a Geoprobe sampling rig, well points, and rapid turnaround-time analysis.
- **Project Manager** for site investigation activities, including soil vapor sampling, soil sampling and analysis, groundwater sampling and analysis, and geotechnical evaluation for numerous sites in Suffolk County, New York. The resulting data were utilized by a major supermarket company in the negotiations for the purchase of the properties and in the property remediation prior to development.
- **Project Manager, Site Investigation, Bronx, NY, NYCT.** Managed field sampling and data analysis activities, including soil vapor analysis, soil sample analysis, and groundwater sampling and analysis at an active commercial bus terminal. Made recommendations for site remediation, including UST removal, soil excavation and disposal, and free-phase product extraction.
- **Project Manager, RCRA Facilities Investigation, City of Richmond, CA.** Prepared RFI work plan, incorporating existing geologic, chemical, and historical data, evaluating newly-acquired site data, and developing recommendations for further investigation and remedial action at a former municipal landfill.
- **Project Manager, Site Investigation, Bay Shore, NY. Manufacturing facility.** Managed onsite and offsite soil and groundwater sampling program. Compiled and evaluated data and prepared a comprehensive report of the investigation results for the Suffolk County Department of Health Services (SCDHS) and NYS Department of Environmental Conservation (NYSDEC). Proposed remediation technologies for onsite soil contamination and onsite and offsite groundwater contamination.
- **Project Manager, Site Investigation, Newark Airport, NJ, FAA.** Managed and conducted a soil and groundwater sampling program adjacent to Runway 29. Analyzed chemical analytical data and developed recommendations.
- **Project Manager, Remedial Investigation, Richmond Refinery, CA.** Supervised and conducted drilling, soil sampling, cone penetrometer testing, and well installation at a refinery process water effluent treatment system and former municipal landfill.
- **Senior Hydrogeologist, multiple sites, NY metro area.** Supervised drilling, installation, development, and sampling of monitoring wells at numerous sites in the greater New York metro area. Utilized resulting stratigraphic, hydrologic, and chemical analytical data to evaluate site conditions.
- **Program Manager, multiple sites, major New York Metro area automobile dealer.** Managed all investigation and remedial activities for a major automobile retailer with multiple facilities. Sites included tanks, petroleum spills, underground injection control (UIC) systems, soil vapor intrusion issues, and hazardous waste management. Responsible for work scope and budget preparation, staffing and oversight, client and regulatory agency interactions, addressing insurance issues, reporting and certification, and project closeouts.
- **Program Manager, SWTP groundwater monitoring program, Town of East Hampton.** Managed groundwater sampling and reporting for the Scavenger Waste Treatment Plant (SWTP). Responsibilities included oversight of well installation, purging and sampling the SWTP groundwater monitoring wells, and providing data to the Town for reporting purposes.

#### Remediation

- **Program Manager, NYSDEC BCP site, NY City, major real estate developer.** In responsible charge of all investigation and remedial activities at a NYSDEC BCP site in New York City. Prepared the Remedial Investigation and Remedial Work Plan; coordinated with the owner, other contractors, and the NYSDEC; prepared for and conducted citizen participation activities; supervised all waste characterization, profile preparation, and waste management; developed the Final Engineering Report (FER) and Site Management Plan (SMP) for

NYSDEC approval; and ensured that all remedial requirements were met such that the Certificate of Completion (COC) was issued. Continuing activities include coordination of the ongoing site management, communications with the NYSDEC and NYSDOH, and preparation of the annual Certification Report.

- **Program Manager, Major Oil Storage Facility (MOSF) closure, Glen Harbor, NY. Real estate developer.** Responsibilities included coordination of the work scope with the NYSDEC and NCDOH, development of work plans for tanks, UIC, and petroleum spill closure, budget and schedule development, staffing and oversight, reporting and certification, and closeout of all environmental issues such that residential redevelopment could proceed.
- **Program Manager, Delineation and Remedial Services, NYS Spill Site, St. James, NY.** Responsible for client and agency coordination, budget, schedule, staffing, remedial design and reporting for a petroleum release at a Service Station property with offsite impacts.
- **Program Manager, RCRA Closure Site, Freeport, NY.** Managed all aspects of RCRA Closure of a former printing facility, including scope, budget and schedule development, Closure Plan, NYSDEC interactions, QAPP, and specifications for contractor services.
- **Program Manager, Sub-slab depressurization system (SSDS), Brooklyn, NY.** Managed all aspects of SSDS implementation, including delineation sampling, remedial design, budget and schedule, construction services testing, reporting, and O&M manual development for a former dry cleaner site in an active shopping center.
- **Program Manager, SSDS, Bronx, NY.** Responsible for all aspects of SSDS implementation for a former dry cleaner site in a mixed-use building, including delineation sampling, SSDS design, construction contractor services, testing, reporting, and O&M manual development.
- **Project Manager, Soil Remediation, Hauppauge, NY. Metal plating facility.** Planned remedial project and managed contractor support for soil remediation. Project was completed and approved by SCDHS.
- **Remedial Design, AS/SVE projects.** Developed pilot test plans, evaluated pilot test results, and prepared conceptual designs for several air sparge/soil vapor extraction (AS/SVE) systems to treat petroleum and/or chlorinated solvent VOCs. These systems were subsequently installed and Ms. Davis provides ongoing review of system operations and remedial monitoring results.
- **Program Manager, Waste soil management, Brooklyn, NY. Travelers Insurance.** In responsible charge of several task orders for waste characterization of a 90,000-cy construction soil stockpile at a municipal sewer facility. Responsibilities included development and implementation of Sampling and Analysis Plans (SAP), coordination of staffing, review of lab data, preparation of Field Sampling Summary Reports (FSSR), coordination with disposal facilities, and preparation of waste profiles.
- **Program Manager, NYS Inactive Hazardous Waste Disposal (Superfund) site, Hicksville, NY. Property owner.** Responsibilities included developing and implementing pre-demolition investigations, developing and implementing remedial actions (source removal) in conjunction with retail redevelopment, conceptual design and installation of sub-slab depressurization systems (SSDSs), maintaining ongoing OM&M programs.
- **Project Manager, Remedial projects, Patchogue, NY. US Tape.** Designed and performed indoor underground storage tank abandonment program, leaching pool remediation plan, and managed contractor support for closure activities at a manufacturing facility. SCDHS provided oversight and approval.
- **Senior Hydrogeologist, Remedial design for a landfill, Richmond, CA.** Contributed to the design of a groundwater containment and remediation system for a former municipal landfill, including subsurface groundwater barrier walls and extraction wells.
- **Project Manager, Soil remediation, Carle Place, NY, Kimco.** Designed remedial plan and supervised soil remediation activities at an active construction site involving excavation and disposal of 5,000 tons of PCB-, metal-, and petroleum-contaminated soil. NYSDEC oversaw and approved the completed remediation.
- **Project Manager, Groundwater containment system, Richmond, CA.** Coordinated technical aspects of groundwater barrier wall construction, including routing, permitting, design, material selection, and field activities.
- **Project Manager, Multiple UIC investigations and closures, Suffolk and Nassau Counties, NY** Responsible for investigation and remediation of contaminated cesspool and stormwater drain pool in systems. Fully conversant with SCDHS SOP 9-95 and USEPA UIC regulations for investigation and cleanup of leaching pool systems, including Action Levels and Cleanup Standards, groundwater monitoring criteria, and remedial requirements.

- **Project Coordinator, UIC Closure, Hempstead, NY.** Coordinated and supervised all aspects of waste management for a UIC closure, including disposal facility review, waste sampling and classification, manifesting, project closeout, and taxation issues.

### Hydrogeologic Evaluations

- **Project Manager, well permitting, East Hampton, NY. Private client.** Prepared Engineer's Report for Long Island Well Permit for a 230-gpm irrigation supply well. Responsible for evaluation of well interference, salt water upconing, impacts from contaminants, and other factors affecting the proposed well. Performed well design (gravel pack size, screen size, etc.) for numerous groundwater wells on Long Island. Familiar with sieve analyses, well construction and development methods.
- **Senior Hydrogeologist, groundwater modeling, East Hampton, NY.** Utilized Visual Modflow to evaluate the impact of a contaminant plume on a proposed SCWA wellfield. Model development included evaluation of recharge, aquifer properties, subsurface stratigraphy, boundary conditions, plume source and concentration, and various wellfield locations and pumping rates.
- **Hydrogeologist, aquifer testing, Manhattan, NY. NYCT.** Participated in a multi-day, multi-well aquifer pumping test for NYCT. Responsible for operating and maintaining data logging equipment, coordinating manual water level measurements, and analyzing resulting drawdown data.
- **Hydrogeologist, aquifer evaluation, Brooklyn, NY. NYCT.** Evaluated subsurface geologic conditions for subway site utilizing existing boring logs, topographic, and historic map data.
- **Hydrogeologist, aquifer testing, Queens, NY. NYCT.** Performed slug tests on monitoring wells at an East Side Access site, and evaluated hydrologic properties using the HYDROLOGIC ISOAQX computer program.
- **Hydrogeologist, remedial wells, Deer Park, NY. USEPA.** Supervised drilling, installation and development of groundwater extraction, injection, and monitoring wells at a Superfund site. Interpreted aquifer and well performance from development data and recommended modification of drilling and development procedures.
- **Hydrogeologist, aquifer testing, NYC, NYCT.** Performed aquifer pumping and slug tests and evaluated hydrologic properties using the computer program AQTESOLV.

- **Hydrogeologist, aquifer evaluation, Mattituck Airport, Mattituck, NY.** Performed water level and water quality monitoring at a NYSDEC Superfund site. Constructed groundwater elevation contour maps and utilized chemical analytical data to predict contaminant plume migration.
- **Senior Hydrogeologist, DEIS services, Lazy Point, NY. Town of East Hampton.** Prepared a detailed evaluation of groundwater conditions and potential impacts for a water extension to Lazy Point for a draft Environmental Impact Statement (DEIS). Evaluated current and historic groundwater data and analytical models to determine potential impacts for both Lazy Point and the drinking water source area and prepared associated portions of the DEIS.

### Landfills

- **Program Manager, Greenhouse gas monitoring program, Town of Islip, NY.** Responsibilities include scope and budget management, staffing, client and USEPA coordination, reporting review, and troubleshooting.
- **Project Manager, Landfill Closure Investigations, Town of East Hampton, NY.** Prepared Closure Investigation work plans, including Hydrogeologic investigations, methane investigations, surface leachate investigations, and vector investigations. Prepared final Closure Investigation Reports, approved by the NYSDEC.
- **Project Manager, Landfill monitoring networks, Town of East Hampton, NY.** Supervised installation of groundwater and methane monitoring wells at the landfills, including hollow-stern auger and mud-rotary well installations, split-spoon soil sampling and boring log preparation, oversight and interpretation of wireline electric logging, and completion of initial baseline monitoring events.
- **Hydrogeologist, Landfill groundwater monitoring, NJ, private client.** Performed groundwater sampling at a radio tower facility constructed on a landfill. Analyzed results and made recommendations.
- **Hydrogeologist, Landfill gas monitoring, Town of East Hampton, NY.** Conducted methane monitoring at two landfills over a multi-year period.
- **Program Manager, Landfill monitoring programs, Town of East Hampton, NY.** Supervises ongoing groundwater and methane monitoring programs, including field team coordination, communications with the Town, report scheduling, data review, and report review

prior to distribution to the client and NYSDEC. Negotiated successfully with NYSDEC for reduced monitoring frequencies based on historic monitoring results.

- **Senior Hydrogeologist, Landfill plume modeling, Town of East Hampton, NY.** Conducted groundwater flow modeling to evaluate the nature and extent of a landfill plume and its fate. Findings were presented at public meetings and were used to determine the configuration of the landfill's groundwater monitoring network.
- **Hydrogeologist, Septage lagoon Superfund site, Town of East Hampton, NY.** Conducted sampling of former septage lagoons at a landfill. Evaluated the resulting data and prepared a delisting petition for this NYSDEC Superfund site.
- **Hydrogeologist, containment system modeling, Richmond, CA.** Used the FLOW PATH modeling program to predict groundwater flow directions and evaluate extraction well locations and pumping rates for a groundwater containment and remediation system at a former municipal landfill.
- **Program Manager, Landfill gas monitoring program, Town of Islip, NY.** Manages monthly methane monitoring for all landfills, including onsite and offsite monitoring wells, methane collection systems, and flare systems. Data is recorded electronically and downloaded to computer for formatting prior to expedited delivery to Town.
- **Program Manager, Landfill monitoring reporting program, Town of Smithtown, NY.** Supervised and reviewed production of quarterly and annual monitoring reports for all monitoring programs at the landfills for Town compliance with NYSDEC requirements, including tabulation and reporting of groundwater and methane monitoring data, solid waste and recycling collection data, yard waste composting operations, and landfill leachate collection and disposal data.
- **Program Manager, Landfill remediation, Town of Huntington, NY.** An historic landfill was removed from parkland under the NYSDEC's ERP. Responsibilities included work scope development, schedule and budget management, staffing, client and regulatory agency coordination and reporting, and report review and certification.

### Environmental Data Analysis

Ms. Davis has participated in multiple sessions of environmental geochemistry training provided by environmental geochemists, including physical chemistry, thermodynamics, ionic interactions, complexation, biologic effects, and other basic

principles. Training also included field sampling procedures and effects on chemical data, chemical analytical methods and equipment, and QA/QC procedures and interpretation. Attended periodic environmental chemistry training sessions hosted by environmental laboratories and participated in hands-on training in data and QA/QC evaluation.

- **Data Evaluation, multiple projects.** Reviewed and evaluated numerous soil, groundwater, product, indoor/ambient air, and soil vapor chemical analytical datasets, including evaluation of batch and site-specific QA/QC samples, laboratory narratives, comparison to regulatory agency criteria, historic data, and background data.
- **QAPPs, multiple projects.** Developed and implemented numerous QAPP, including QAPP design, sample delivery group (SDG) evaluations, sampling procedures and sequences, and QA/QC sample preparation/collection.
- **DUSR Preparation, multiple projects.** Prepared Data Usability Summary Reports (DUSRs) for numerous chemical analytical datasets for projects overseen by USEPA, NYSDEC and other regulatory agencies, including soil, groundwater, soil vapor, indoor air, and ambient air datasets.
- **Electronic Data Deliverables, multiple projects.** Implemented protocols and procedures for all FPM sites for which NYSDEC Electronic Data Deliverables (EDDs) are required. Responsibilities included staff training, data package QA/QC, client interactions, budget and schedule impact assessments, and dissemination of EDD training information.
- **Data Evaluation, multiple sites.** Performed forensic assessments of historic environmental chemical analytical data to resolve apparent discrepancies with modern data and other inconsistencies.
- **Leachate test assessments.** Assessed leachate test protocols and results to determine the most applicable methods to evaluate and develop soil cleanup objectives for non-regulated compounds.
- **Organic parameter breakdown assessments.** Interpreted numerous organic parameter datasets to evaluate breakdown sequences, likely original parameters, and rates of degradation.
- **In situ remediation assessments, multiple sites.** Formulated numerous chemical treatment plans for insitu remediation, including assessment of contaminant concentrations and distribution, chemical processes and indicators, natural attenuation indicators, additional stoichiometric demands, and hydrogeologic factors.

**Community Impacts**

- **Community Monitoring Plans, multiple hazardous waste sites.** Developed Community Air Monitoring Plans (CAMP) for investigation and remediation projects, including monitoring procedures, action levels, and mitigation measures for odors, traffic, noise, dust, and/or vapors with the potential to affect surrounding communities. Each CAMP was reviewed and approved by the NYSDEC and NYSDOH and was implemented under agency oversight. Presented CAMP findings at numerous community meetings. Addressed community and agency questions and issues
- **Vector Assessments, multiple landfill sites, Long Island, NY.** Evaluated and implemented abatement for vectors (rodents, flies, and seagulls) in association with landfill closures, including inspection and reporting of vector populations, development of vector abatement plans, and assisting Town personnel with vector abatement.
- **Odor Abatement, NYSDEC BCP site, NYC, NY. Major real estate developer.** Developed and implemented an odor abatement plan for highly-odorous soil discovered during a remedial project. The site was surrounded by three public schools; complaints following discovery of odorous soil resulted in a job shutdown until the nuisance was abated. The odor abatement plan was prepared and implemented within 24 hours and involved immediate covering of the odorous soil followed by spot excavation and removal during non-school hours (night work) and the use of odor-controlling foam. The removal was completed within one week without further incident. The NYSDEC and NYSDOH approved the completed work, allowing the job to recommence.
- **Vector Assessment, transfer station, Town of East Hampton, NY.** Conducted inspections of intense fly infestations at a Town transfer station building to identify the locations and migration pathways of flies inside the building and to develop an abatement plan. This plan was successfully implemented and abated the nuisance flies.
- **Soil Vapor Intrusion Assessments, multiple sites.** Developed and implemented air and soil vapor investigations of residential and commercial properties, as approved by the NYSDEC/NYSDOH, to evaluate potential air quality impacts and determine if mitigation or monitoring was necessary. Monitoring/mitigation designs were developed for NYSDEC/NYSDOH approval.
- **CAMP Monitoring, multiple sites.** Conducted odor, dust, noise, and organic vapor monitoring in communities surrounding environmental sites. Data were collected and interpreted in accordance

with NYSDEC and/or NYSDOH guidance and the results were submitted to these agencies together with recommendations for mitigation, if appropriate.

- **Project Manager, Environmental data assessment, Windmill Village, Town of East Hampton, NY.** Evaluated environmental data obtained during due diligence testing for a proposed housing development. Recommended additional sampling and confirmed the absence of impacts.

**Expert Witness/Technical Services**

- **Expert Witness/Technical Services, residential project, Glen Harbor, NY. Private client.** Provided expert witness and technical services regarding environmental conditions and remedial procedures for residential redevelopment of a former oil terminal, including preparing and obtaining NYSDEC and NCDOH approval of remedial work plans, preparing remedial cost estimates and schedules, and providing testimony at a public hearing before the Town Board from which a change of zone was requested. The proposed change of zone, although subject to considerable public opposition, was approved, allowing redevelopment and associated remediation of the property to move forward.
- **Expert Witness/Technical Services, petroleum spill site, Westbury, NY. Private client.** Provided expert witness and technical services to a petroleum company defending NYSDEC cost recovery claims for a petroleum spill. The spill site involved two very large petroleum releases at gasoline stations adjoining the defendant's property. Services provided included evaluating tank tests, groundwater, soil and soil vapor chemical analytical data, petroleum fingerprint data, remediation activities and costs. Prepared numerous detailed timelines of activities, large displays of site information and subsurface conditions, and cost allocation calculations. Conducted a detailed subsurface investigation to evaluate stratigraphic conditions.
- **Expert Technical Services, development site, Village of Larchmont, NY.** Assisted the Village in successfully opposing the construction of a very large superstore in the adjoining community, including evaluating previous environmental investigations, developing cost estimates and scopes of work for a full environmental site assessment, preparing scoping cost estimates for likely remediation scenarios, preparing technical documents in support of the Village's position, and making a presentation at a public hearing. The proposed project was subsequently withdrawn.

- **Expert Hydrogeologist Services, development site, Town of Carmel, NY.** Provided technical evaluation of a proposed water district. The proposed water district would impact existing residents due to limited available water supplies and likely impact on existing wells. The work included evaluation of aquifer pumping tests, determining impacts on nearby wells, assessment of likely increased water demand, preparation of supporting documents, and presentations at project hearings. The proposed project was subsequently conditionally approved by the NYSDEC with significant modifications to protect the water rights of existing residents.
- **Expert Technical Services, solvent plume site, Nassau County, NY. Private client.** Provided technical support to a property owner subject to a USEPA investigation as the potential source of a large chlorinated solvent plume, including evaluation of a plume-wide RI/FS, detailed review of property historic information, multiple meetings with the USEPA, client and counsel, and identification of additional potential source areas.
- **Expert Witness Affidavits, multiple projects.** Prepared affidavits regarding environmental conditions at client properties in support of pending legal actions, including landfill issues, wetlands and navigatable waterway issues, and petroleum spills.
- **Expert Technical Services, road construction projects, Westchester County, NY. Croton Watershed Clean Water Coalition.** Provided technical services to the CWCWC to assess impacts from proposed road construction projects on the Kensico Reservoir and other New York City water supply system facilities. This work included evaluating stormwater pollutant loading calculations, assessing impacts to wetlands, promoting application of more accurate stormwater runoff calculation methods, assessing proposed stormwater management techniques, presenting at public meetings, preparing technical statements for submittal to regulatory agencies, and participating in the NYSDOT SWPPP Guidance committee

#### Health and Safety

- **Health and safety monitoring, multiple sites.** Implemented HASP monitoring at investigation and remediation sites during intrusive activities, including calibration and operation of photoionization detector (PID) and flame ionization detector (FID) for organic vapors and combustible gas indicator (CGI) for methane. Compared results to applicable action levels and implemented protective measures as necessary.

- **CAMP monitoring, multiple sites.** Performed community monitoring, including monitoring for noise, particulates (dust), and organic vapors. Recorded observations and compared to applicable action levels. Calibrated and operated noise meters, particulate monitors, and PID/FID.
- **Radiation screening, multiple sites.** Performed screening for radiation at select sites, including operating Geiger counter in different radiation modes and obtaining background readings.

#### Miscellaneous Projects

- **Phase I ESAs.** Performed numerous Phase I Site Assessments for residential and industrial sites in the metropolitan New York area.
- **Environmental Trainer.** Conducted aquifer pumping and soil vapor extraction test training. Instructed classes for site investigation methods, aquifer pumping test analysis, and risk assessment.
- **Project Management.** Performs a wide range of project management functions, including development and management of project budgets and schedules, coordination of field and office staffing, document preparation, review, editing, and interaction with clients, regulatory, legal, real estate, consultant, and compliance personnel.
- **Field Mapping Studies.** Organized, supervised, and conducted field mapping studies in Alaska.
- **Downhole Logging.** Directed petroleum well site geophysical logging operations and interpreted geophysical well logs.
- **Geophysical Data Interpretation.** Processed and interpreted seismic reflection data and constructed seismic velocity models.
- **Regulatory Evaluations.** Assisted and reviewed regulator's revision of proposed risk assessment-based UST cleanup guidelines. Reviewed proposed USEPA NPDES permits for remediation system effluent.
- **Geologic Mapping.** Constructed and interpreted structural and stratigraphic cross sections, and structure contour, fault surface, isochore, and isopach maps.

#### Regulatory Compliance

- **Site Audits.** Has conducted numerous site audits for regulatory compliance, particularly with respect to Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Responsibility and Liability Act (CERCLA), the Clean Water Act (CWA) and Clean Air Act (CAA).

- **RCRA compliance audits.** Conducted inspections and reporting regarding underground and aboveground storage tanks (USTs and ASTs), hazardous waste storage facilities, waste management and reporting requirements, and hazardous waste storage area closures in compliance with RCRA.
- **CERCLA Compliance.** Oversees and coordinates environmental site assessments (ESAs) for compliance with CERCLA requirements for a wide variety of facilities including operating and historic industrial sites manufacturing plants, abandoned facilities, and multi-property Brownfield sites.
- **Superfund Sites.** Managed multiple investigation and remedial projects at state and federal Superfund sites. Is very familiar with all phases of CERCLA projects including PA/SI, RI, FS, RD and RA. Has overseen activities at many Superfund sites from investigation through closure.
- **CWA Projects.** Conducted investigation and remediation of Class V underground injection control (UIC) Systems, investigation and acquisition of UIC discharge permits, and discharges into surface water bodies.
- **CAA Compliance Projects.** Conducted facility investigations for emissions sources, including paint booths, fume hoods, process discharges and other point sources. Sampled and evaluated remediation system discharges for CAA compliance, recommended emissions treatment when required.

#### Representative DOD Projects

- **Barksdale RFI, Barksdale AFB, LA, \$520K-**Lead Geologist for RFI for multiple Base-wide sites at Barksdale AFB, including landfills, petroleum spills, fire training areas, sewage treatment plans, and chemical spills. Managed field crews and sampling of soil, groundwater, and waste, performed sample and waste management, and coordinated with Base representatives. Prepared RFI Report, including analytical data reports, CS, and recommendations.
- **Barksdale LTM Program, Barksdale AFB, LA, \$1.7M-**Lead Geologist for LTM Program for Base-wide Barksdale groundwater, including landfills, petroleum spills, fire training areas, sewage treatment plants, and chemical spills. Supervised field crews, managed samples and waste, prepared LTM Reports and made recommendations for LTM optimization.
- **Site Characterization, Plattsburgh AFB, NY, \$720K-**Field Team Leader for SC investigation of fuel oil USTs and petroleum spills at Base housing, officers' quarters, and support building prior to transition of these areas to other uses. Working for AFCEE, developed and conducted an SC for over 200 USTs, including soil and groundwater sampling to identify petroleum contamination. Supervised several field crews in an accelerated sampling program to complete the SC prior to winter conditions. Prepared SC Report submitted to and approved by the NYSDEC.

#### MGP Site Experience

- **Field Sampling Services. Soil Investigation, Brooklyn Union Greenpoint MGP site.** Conducted soil sampling and screening activities during tank removal activities at this former MGP facility. Tasks included visual observations, screening with a calibrated PID, soil sampling, interfacing with the client, subcontractors and NYSDEC personnel, and report preparation.
- **Program Manager. Soil Vapor Intrusion Investigation and Mitigation, Brooklyn MGP site.** Developed and implemented a soil vapor intrusion (SVI) investigation following the discovery of chlorinated solvents in soil vapor beneath a shopping center constructed on an MGP site. Managed all scheduling, budget and contract issues. Reviewed results and developed an SVI mitigation plan to address the chlorinated solvent vapors. Oversaw design and installation of a sub-slab depressurization system (SSDS) to address SVI. This work was completed on time and within budget.
- **Field Team Supervisor. Soil Remediation, Brooklyn Union Coney Island MGP site.** Responsible for coordinating all field activities associated with segregation and removal of lead-paint impacted soil from MGP waste at this NYSDEC-listed MGP site. Conducted pre-excavation waste characterization, implemented HASP, oversaw subcontractor and FPM staff, coordinated with client and NYSDEC, managed waste manifesting, conducted community air monitoring, and prepared remediation report.



Mr. Cancemi has diversified experience in geology and hydrogeology. His professional experience includes groundwater and soil investigations, design and management of soil remediation projects, installation and maintenance of groundwater containment and remediation systems, aquifer testing and interpretation, geotechnical studies, evaluation of site compliance with environmental regulations and environmental permitting.

Functional Role	Title	Years of Experience
Senior Hydrogeologist	Department Manager - Hydrogeology	18

**Personal Data**

**Education**

M.S./2001/Hydrogeology/SUNY Stony Brook  
 B.S./1995/Geology/SUNY Stony Brook

**Registration and Certifications**

Certified Professional Geologist – American Institute of Professional Geologists  
 OSHA 40-hour HAZWOPER and Current 8-hour Health and Safety Training and Current Annual Physical  
 OSHA 8-hour HAZWOPER Supervisor  
 OSHA 10-hour Construction Safety and Health  
 OSHA Permit-Required Confined Space Training  
 Long Island Geologists  
 National Groundwater Association  
 MTA NYC Transit Track Safety Certification

**Employment History**

2001-Present FPM Group  
 1998-2001 Burns & McDonnell Engineering Company  
 1997-1998 Groundwater and Environmental Services  
 1996-1997 Advanced Cleanup Technologies

**Detailed Experience**

**MGP Site Experience:**

- **Field Team Leader, Property Transfer of MGP sites.** Conducted soil and groundwater sampling at several Nicor MGP sites in Illinois prior to property transfer to Con Edison. Coordinated sampling crews, oversaw sampling and sample management, and implemented HASP monitoring.
- **Project Manager, Geophysical Investigation at Brooklyn Union Greenpoint MGP site.** Developed and implemented a geophysical investigation at an MGP site that was subject to differential settlement. Coordinated with client and subcontractors, oversaw survey activities, implemented HASP, interpreted results, and prepared a report to document the completed work.

**Hydrogeologic Evaluations**

- Performed constant head hydraulic conductivity (packer) testing in boreholes located in fractured bedrock in lower Manhattan, NY to evaluate fracture connectivity with the nearby Hudson and East Rivers and determine hydraulic conductivity and related parameters such that water management procedures could be implemented for redevelopment of the New South Ferry Subway Station.
- Coordinated and performed a hydrogeologic investigation, including utility clearing, soil borings, rock coring, packer testing, aquifer pumping testing, data collection, and interpretation, to evaluate subsurface conditions and determine geologic parameters for a proposed subway extension of the NYC Transit No.7 Subway Line.
- Performed aquifer pumping and slug tests and evaluated hydrologic properties using the computer program AQTESOLV.

**Site Investigations/Groundwater Monitoring**

- Coordinated and performed an investigation at a vacant commercial property Far Rockaway, NY, including soil, groundwater and soil vapor sampling to assess onsite chlorinated solvent impacts from an adjoining offsite source.
- Coordinated and performed soil and groundwater sampling and soil vapor studies at several aerospace manufacturing facilities on Long Island, NY. Assessments included an evaluation of past manufacturing and facility operations, storage and use of solvents, petroleum and manufacturing-derived wastes, and impacts to soils, soil vapor, and groundwater. Areas of concern were identified for further evaluation and/or corrective action.
- Coordinated and performed long term groundwater monitoring at two closed Town of East Hampton, NY municipal landfills, including the sampling a multi-depth monitoring well network, analysis and interpretation of analytical and hydrogeologic data, and regulatory reporting

in accordance with NYSDEC Part 360 requirements.

- Coordinated and performed soil and groundwater investigations at various agricultural and horticultural properties to evaluate impacts of past herbicide and pesticide usage on the underlying soil and groundwater.
- Managed and performed routine methane monitoring at two Town of East Hampton landfills for compliance with NYSDEC requirements and to evaluate potential offsite migration to the surrounding community. Monitored indoor air with a flame ionization detector (FID) to evaluate impacts to buildings.
- Assisted with groundwater flow modeling for the Springs-Fireplace Road Landfill to evaluate the nature and extent of the landfill plume, its likely downgradient extent, and its fate.
- Coordinated and performed onsite and offsite monitoring at petroleum release sites on Long Island, the New York metropolitan area, and in Westchester County in accordance with NYSDEC Spill program requirements. The monitoring programs generally included sampling multi-depth monitoring well networks utilizing low-flow sampling techniques, analysis/interpretation of analytical and hydrogeologic data, and regulatory reporting.
- Coordinated a soil and groundwater sampling program to evaluate environmental conditions at Terminal A, Logan International Airport, East Boston, Massachusetts. The program included an assessment of the current fuel hydrant system and other locations of potential environmental concern using non-destructive air vacuum extraction-clearing techniques combined with direct-push sampling.
- Managed and performed a soil and groundwater investigation, a remedial soil excavation, and groundwater monitoring at a pyrotechnics manufacturing facility in Suffolk County, NY. The work was performed under the direction of the Suffolk County Department of Health Services (SCDHS) to investigate and remediate contamination from historic use of perchlorate-containing materials at the facility.
- Coordinated and performed soil and groundwater investigations at several automobile dealerships in Westchester County, NY to evaluate potential impacts from petroleum and chemical solvent

storage and usage and onsite waste water disposal systems.

#### **Phase I Environmental Site Assessments**

- Performed numerous Phase I Environmental Site Assessments (ESAs) for commercial and industrial properties throughout the Northeastern United States for various clients including trucking companies, major airlines, telecommunication companies, chemical/petroleum storage facilities, aerospace manufacturing facilities, machine shops, retail shopping centers, auto dealerships and service stations.

#### **Remediation**

- Managed remedial activities at a NY State Environmental Restoration Program (ERP) Site situated at a former hospital landfill in Northport, NY. Responsibilities contractor management and oversight, soil disposal management, confirmatory testing, data review, and preparation of a final engineering report to document remedial activities.
- Performed pilot testing, design, installation and procurement of numerous multi-depth soil vapor extraction (SVE) and air sparge (AS) remediation systems on Long Island and in the NYC metropolitan area to remediate chlorinated solvents and petroleum. Conducted remediation system operation and maintenance, and evaluations of system performance.
- Performed numerous storm water and sanitary leaching structure (UIC) cleanouts utilizing excavation and/or vacuum assisted equipment to remove contaminated sediments and liquids. Conducted waste characterization and profiling, pipe camera surveys, and structure locating utilizing water-soluble dyes and electronic locating equipment.
- Designed and oversaw the installation of a sub-slab depressurization system (SSDS) in the Bronx, NY to mitigate chlorinated solvent impacts. SSDS monitoring was conducted to ensure proper operation and emissions compliance of with NYSDEC air discharge guidelines.
- Operated and maintained remediation systems, including SVE, groundwater pump and treat, AS, dual-phase extraction, SSDS and free-phase petroleum recovery systems.

**Health and Safety**

- Performed health and safety monitoring at investigation and remediation sites during intrusive activities. Calibrated and operated photoionization detectors (PID) and flame-ionization detectors (FID) for organic vapors and combustible gas indicators (CGI) for methane. Compared results to applicable action levels and took preventative/protective measures as necessary.
- Performed community monitoring, including monitoring for noise, particulates (dust), and organic vapors. Recorded observations and compared to applicable action levels. Calibrated and operated noise meters, particulate monitors, and PID/FID.
- Prepared community air monitoring and health and safety plans for several NYSDEC inactive hazardous waste, brownfield cleanup program, volunteer cleanup program, petroleum spill, and NYC e-designation program sites.
- Performed screening for radiation at select sites. Operated Geiger counter in different radiation modes and obtained and evaluated background readings.

**Other**

- Coordinated RCRA closure activities and performed confirmatory sampling at a former package manufacturing facility in Garden City, NY. Project duties included contractor procurement, rinsate and soil sampling, and regulatory agency reporting and coordination.
- Prepared a remedial design (RD) work plan for a former hospital landfill on Long Island. The RD work plan included a summary of past investigations, a materials management plan for the excavation and disposal of contaminated soils and debris, a post-excavation sampling plan, a site restoration plan, community air monitoring plan (CAMP), health and safety plan (HASP) and a quality assurance and quality control (QA/QC) plan.
- Managed and performed monthly soil gas sampling and quarterly indoor air quality sampling at an elementary school in southwestern Nassau County, NY. The monitoring and related reporting were performed to ensure that a gasoline groundwater plume migrating through the school property was not impacting the school occupants.
- Performed compliance inspections to assess issues of potential environmental concern at manufacturing, aviation, trucking, retail and not-for-profit facilities.
- Managed and performed methane monitoring at two eastern Long Island landfills to evaluate potential offsite impacts, indoor air quality, and methane generation and migration.
- Managed and coordinated a petroleum spill investigation to evaluate the nature and extent of a fuel oil release at an office building in White Plains, NY. The investigation included excavation and removal of a 5,000-gallon situated over 20 feet below grade, tightness testing of the UST and associated piping, a soil and groundwater investigation, free product recovery utilizing vacuum-enhanced fluid recovery techniques, and coordination and reporting to the NYSDEC and Westchester County Department of Health.



Mr. Holmes has diversified experience in geology and hydrogeology. His professional experience includes groundwater and soil investigations, routine landfill gas monitoring, Phase I Environmental Site Assessments, soil remediation projects, soil vapor intrusion evaluation, maintenance of groundwater remediation systems, aquifer interpretation, and evaluation of site compliance with environmental regulations.

screening, equipment decontamination, data

Functional Role	Title	Years of Experience
Hydrogeologist	Hydrogeologist/Civil Engineer	4

**Personal Data**

**Education**

M.S./2011/Civil Engineering/Penn State, PA  
 B.S./2007/Geology/SUNY Cortland, NY

**Registration and Certifications**

OSHA 40-hour HAZWOPER Health & Safety Training  
 Current OSHA 8-hour HAZWOPER Health & Safety Refresher  
 American Geophysical Union  
 Long Island Association of Professional Geologists

**Employment History**

2011-Present FPM Group  
 2007-2007 Suffolk County Water Authority

**Detailed Experience**

**Site Investigation and Monitoring**

- Performed soil, soil vapor, indoor air and groundwater monitoring and sampling at numerous commercial, industrial, and retail gasoline sites throughout Long Island, New York City, Westchester County and upstate New York. Monitoring and sampling activities have been conducted in accordance with NYSDEC-approved work plans, Phase II and other investigations.
- Assisted in a groundwater, soil, and soil vapor investigation at a Brownfield Cleanup Program (BCP) Site in Far Rockaway, NY involving chlorinated solvents. Responsibilities included groundwater, soil, and soil vapor sampling for characterization and delineation, subcontractor coordination and oversight, and report preparation.
- Coordinated and managed subcontractors performing soil boring and well installation activities, excavation activities and utility mark-outs at numerous sites throughout Long Island, New York City, Westchester County and upstate New York.
- Conducted sampling of underground injection control (UIC) systems at several locations on Long Island and in New York City. Responsibilities included sample acquisition and management, field

tabulation and evaluation, and reporting.

- Skilled in use and calibration of field equipment including photoionization detectors (PID), flame-ionization detectors (FID), Landtec Infrared Gas Analyzer, combustible gas indicator (CGI), water-level meters, interface probes, submersible pumps, groundwater quality instrumentation, and survey equipment.
- Prepared monitoring reports, investigation reports, site plans, contaminant concentration contour maps, groundwater flow direction maps, and NYSDEC EDD's.
- Conducted Phase I Environmental Site Assessments (ESAs) for numerous residential, commercial, industrial and vacant wooded sites in New York State in accordance with ASTM standards. Phase I ESA tasks included site inspections, interviews, evaluation of state and federal databases, record reviews at local and state government agencies, and report preparation.
- Performed project management tasks including budget analysis, project tracking, invoice approval, client interaction, and preparation of site-specific health and safety plans (HASPs) Community Air Monitoring Plans (CAMPs) and Quality Assurance Project Plans (QAPP).

**Remediation**

- Assisted in remedial activities at a NY SOGS and NYSDEC waste tire dump site in Kings Park, NY. Responsibilities included oversight and documentation of excavation and disposal activities, subcontractor coordination and oversight, and coordination with the NY SOGS and NYSDEC.
- Assisted in remedial activities at a New York State Environmental Restoration Program (ERP) brownfield site in Northport, NY. Responsibilities included collection of waste characterization samples, oversight and documentation of excavation and disposal activities, collection of endpoint samples to document the condition of the remaining soil, data tabulation and evaluation and report preparation.

- Assisted in remedial activities at a former fuel terminal site in Glenwood Landing, NY. Responsibilities included collection of waste characterization samples, oversight of excavation and removal of impacted soils, and oversight of floating product removal.
- Provided oversight for the installation of a product recovery system at an industrial site in Flushing, NY. Responsibilities included monitoring product thickness and recovery, field coordination, and documentation.
- Assisted in the investigation and removal of impacted sediments and liquids from several stormwater leaching structures at a NYSDEC Inactive Hazardous Waste Disposal Site in Garden City, NY. Responsibilities included endpoint sampling, subcontractor coordination and oversight, and coordination with the NYSDEC.
- Assisted in a UST removal and the removal of impacted sediments from a leaching pool at a former dry-cleaning site in Levittown, NY. Responsibilities included waste characterization and endpoint sampling, subcontractor coordination and oversight, coordination with various Nassau County agencies and the NYSDEC, and report preparation.
- Managed the removal of impacted sediments and liquids from several leaching pools at a commercial site in Inwood, NY. Responsibilities included waste characterization and endpoint sampling, subcontractor coordination and oversight, data tabulation and evaluation and report preparation.
- Operated and maintained remediation systems including soil vapor extraction, groundwater pump and treat, air sparge systems, and sub-slab depressurization systems.

#### **Landfills**

- Manages ongoing landfill gas monitoring projects at three Town of Islip landfills. Monitoring program included monthly collection of landfill gas data from

onsite and offsite methane wells, methane collection systems (extraction wells), and flare systems, Volatile Organic Compound (VOC) monitoring, greenhouse gas monitoring, and report preparation. Responsibilities also included frequent correspondence with Town officials and regulatory personnel.

- Manages ongoing field and reporting activities for the U.S. Environmental Protection Agency (EPA) Greenhouse Gas (GHG) Reporting Program at the Blydenburgh Landfill in the Town of Islip. Program included weekly GHG data collection, usage and maintenance of a dedicated data logging system, data management, and report preparation in accordance with EPA specifications.
- Conducts ongoing groundwater and methane monitoring programs for two Town of East Hampton landfills. Responsibilities include collection of routine and baseline groundwater samples, methane monitoring and operating, tabulation of analytical data, and report preparation.

#### **Health and Safety**

- Prepared community air monitoring (CAMP) and health and safety plans (HASP) for several NYSDEC inactive hazardous waste, brownfield cleanup program, and voluntary cleanup program sites, and petroleum sites.
- Performed health and safety monitoring at investigation and remediation sites during intrusive activities. Monitoring included calibration and operation of PID and FID for organic vapors and CGI for methane. Compared results to applicable action levels and took preventative/protective measures as necessary.
- Performed community monitoring, including monitoring for noise, particulates (dust), and organic vapors in accordance with NYSDEC-approved CAMPs. Recorded observations and compared to applicable action levels. Calibrated noise meters, particulate monitors, and PID/FID.



Mr. Loyst has over 25 years of experience in environmental and civil engineering involving areas such as regulation compliance/permitting, environmental impact analysis, solid waste management, site investigations, remediation, hydrology, design, and feasibility studies.

Functional Role	Title	Years of Experience
Project Manager	Corporate Vice President Department Manager - Environmental Engineering	26

**Personal Data**

**Education**

M.S./1997/Environmental Engineering - Brooklyn Polytechnic University  
 B.S./1989/Interdisciplinary Engineering & Management Clarkson University  
 B.S./1988/Civil and Environmental Engineering- Clarkson University

**Registration and Certifications**

Licensed Professional Engineer in State of New York  
 Project Management Professional/2012  
 NYSDEC Stormwater Qualified Inspector Training ('09)  
 OSHA-approved 40-hr Health and Safety Training Course  
 OSHA-approved 8-hr Refresher Training Course  
 Asbestos Project Designer  
 OSHA 8-hr HAZWOPER Supervisor

**Societies/Associations**

Chi Epsilon - National Civil Engineering Honor Society  
 American Society of Civil Engineers

**Employment History**

1992 to Present FPM Group  
 1989-1992 Westinghouse Electric Corp.

**Technical Seminars**

Hazardous Waste/RCRA, Emergency Planning & Community Right-To-Know (EPCRA), Environmental Impact Analysis/NEPA/EIS/EA, Air/CAA, Stormwater, Soil Erosion & Sediment Control, Soil Remediation

**Detailed Experience**

**Regulation Compliance/Permitting**

- Client List: Governmental –US Postal Service, US Army Corps of Engineers, US Air Force, Veterans Administration, NYS Office of General Services (NYSOGS), NYS Parks, NYS Corrections, NYS Department of Transportation; Municipalities: Town of Islip, Private/Industrial-numerous.
- Environmental compliance audits covering the Clean Air Act (CAA), Resource Conservation and Recovery Act (RCRA), Clean Water Act (CWA), Emergency Planning and Community Right to Know Act

(EPCRA), and local regulations involving areas such as hazardous material storage.

- Air permitting and associated reporting including Title V and 76-19-3 air permits; new source review; seasonal variance applications; BACT analysis; emission statements; EPA NESHAP surveys annual and semi-annual compliance certifications; Air Guide 1 and Screen 2 modeling; Air Facility Registrations; air quality assessments; emission reduction credits, and stack testing.
- Performed RCRA compliance activities involving waste stream characterizations; waste minimization; pollution prevention; manifest tracking; preparation of quarterly, annual, and bi-annual reports; and training.
- Prepared hazardous waste closure plans in accordance with 6NYCRR 373-3 and implemented closure of hazardous waste management areas in accordance with 6NYCRR 373-3.7(c).
- Expert witness testimony for hazardous waste disposal matters.
- Performed EPCRA/Sara Title III audits, reporting and investigated administrative complaints.
- Suffolk County Department of Health Services (SCDHS) Article 12 and Nassau County Department of Health (NCDOH) Article 11 Toxic and Hazardous Material Storage Facility Permits.
- Prepared, reviewed, and certified numerous Spill Prevention Control and Countermeasure Plans (SPCCPs) in accordance with 40 CFR Part 112.
- UST compliance inspections in accordance with NYSDEC - Petroleum Bulk Storage (PBS) and Chemical Bulk Storage (CBS) regulations; SCDHS Article 12; NCDOH Article 11; and National Fire Protection Agency (NFPA) codes.
- UST Closure activities for private industrial clients in LI NY.
- SCDHS Article 7 compliance reviews for restricted chemical storage.
- SCDPW sewer connection and agreements for a flavor manufacturer in Melville, NY.
- Prepared and acquired NYCDEP construction dewatering permits for a Corporate center Bldg in Queens, NY.

- Department of Environmental Conservation (NYSDEC) State Pollution Discharge Elimination System (SPDES) permits for industrial and stormwater discharges.
- Baseline and semi-annual monitoring, BMR and SMR reporting, and sampling for wastewater discharges for compliance with NYCDEP and SCDPW requirements.
- Performed health and safety monitoring at investigation and remediation sites during intrusive activities. Monitoring included calibration and operation of photoionization detector (PID) and flame-ionization detector (FID) for organic vapors and combustible gas indicator (CGI) for methane. Compared results to applicable action levels and took preventative/protective measures as necessary.
- Site Specific Health and Safety Plans (HASPs).
- Sound level studies to determine compliance with local noise ordinances.
- Prepared engineering report for a LI Well permit for irrigation needs in Cold Spring, Harbor, NY.

### **Site Investigations**

- Client List: Governmental-US Army Corps of Engineers, NYS Office of General Services, NYS Dept. of Corrections, Internal Revenue Service; Municipalities-Town of East Hampton; Private-numerous
- Developed and Implemented SAPs for USCG Station dredging projects in LI in accordance with NYSDEC Region 1 Marine Habitat Division protocols.
- Quarterly and semi-annual sampling/monitoring and reporting in accordance with NYSDEC Part 360 regulations for several landfills in Long Island.
- ASTM Phase I Environmental Assessments for property transactions in Suffolk, Nassau, and the five boroughs of New York.
- Sampling and Analysis Plans for Phase II investigations in Long Island and NYC.
- Groundwater, soil, and air sampling at numerous sites on LI and NYC for landfill closures, remedial investigations, and petroleum spills.
- Petroleum Spill Investigations (gasoline, diesel, No. 2 and 6 fuel oil) and associated closure work for tanks and other types of discharges in the metropolitan and upstate NY regions.
- Hazardous, Toxic, and Radioactive Waste (HTRW) Preliminary Assessments in NY and NJ.
- Polychlorinated Biphenyl (PCB) basewide (3500 acres) evaluation of electrical equipment at Griffiss Air Force Base.
- Anthrax sampling for several IRS mail sorting facilities.
- Performed Indoor Air Quality Study for an office building in Lake Success, NY.

### **Remediation**

- Client List: Governmental-US Air Force, NYSOGS; Private/Industrial-Star Corrugated Box Co., Shorewood Packaging, Metex Corp.
- Remediation of lead contaminated soil at four water tower sites at Barksdale Air Force Base, LA via excavation/disposal. Feasibility studies, work plans, Health and Safety Plans, Closure Reports, and No Further Response Action Planned Memorandums were prepared in conjunction with the remediation.
- In-site soil remediation of VOCs through vapor extraction and soil aeration techniques at LI and NJ contaminated sites.
- Removal of contaminated soil associated with petroleum spills and tank issues at LI, NYC, and upstate facilities.
- Identification, characterization, and removal of hazardous material and hazardous waste at industrial facilities and psychiatric centers in LI and NYC.

### **Hydrology**

- Client List: Governmental-New York City Transit, Palisades Interstate Park Commission; NYS Office of General Services, NYC Department of Environmental Protection Municipalities-Town of Greenburgh, City of Rye; Private-numerous.
- Hydrologist consultant to New York City Transit (NYCT) involving numerous drainage studies and investigation of mitigation measures for stormwater and groundwater issues at bus depots, train yards, and subway stations.
- Hydrologist consultant to Town of Greenburgh involving the review of EIS documents, Stormwater Management Plans, Soil Erosion and Sediment Control Plans, drainage calculations, and modeling for proposed development projects on sites up to 300 acres.
- Hydrologist consultant to City of Rye involving site design review flooding analysis, and environmental impact assessment for a 10-acre Brownfield remediation/development project.
- Reviewed, prepared, and implemented numerous State Pollutant Discharge Elimination System (SPDES) General Permits for Stormwater Discharges from Construction Activities, Stormwater Pollution Prevention Plans (SWPPPs), and Soil Erosion and Sediment Control Plans for government, municipal, and private clients.
- Prepared SWPPP and performed bi-weekly stormwater inspections for a NYCDEP 11-acre 30 million gallon combined storage overflow facility in Brooklyn, NY.
- Performed dye-testing studies at several NYCT facilities in NYC, Grand Central Terminal, and La

Salle Military Academy to identify discharges and remedies.

- Provided expert witness testimony on flooding cases involving residences and municipalities in Long Island and Westchester County.
- Runoff calculations, drainage alternatives, and best management practices for site development projects in Long Island, NY City, and Westchester County.
- Evaluation of porous pavement installations at several NYCT bus terminals.
- Evaluation of existing surface and subsurface disposal systems at NYCT facilities and Long Island commercial residential properties.
- Water resources impact analysis for Ramapo Energy Limited Partnership DEIS.
- Evaluation and rehabilitation of groundwater well dewatering pumping systems via downhole camera videotaping, riser swab cleaning high velocity jetting, pump test analysis, specific capacity testing, and pump redesign.
- Performed leak investigation studies for MTA Grand Central Station and South Ferry Station in Manhattan, NY.

### **Design**

- PE certification for numerous types of reports including periodic review, feasibility study, engineering, and work plan reports for inactive hazardous waste disposal (NYS Superfund) and environmental restoration program (ERP) sites.
- As a Village of Lake Success environmental consultant, involved in a groundwater pump and treat system design review as well as review of the quarterly OU-1 and OU-2 remedial system operation, maintenance and monitoring reports.
- Client List: Governmental-FAA, NYCT, NYSOGS, USCG, NYS Parks, DASNY, USPS, USAF; Municipalities-Riverhead Central School District, East Hampton Airport, Town of Southold; Village of Lake Success, Private-Net Properties, TGI Fridays, Arkay Packaging, Kiss Nails, Orlandi, Grucci Fireworks.
- Hazardous material storage area design for industrial and governmental facilities in accordance with Suffolk County and Nassau County regulations and containment provisions (e.g., containment buildings, bermed epoxy coated storage areas).
- Conventional subsurface sewage disposal system and reduced pressure zone device designs and construction management services for numerous governmental, municipal, and private facilities.
- Soil erosion and sediment control plans and certifications for FAA airport navigational aid projects.

- Porous pavement designs for NYCT bus depots.
- Plans and specifications for asbestos abatement projects for elementary schools in LI.
- Asbestos abatement specification reviews for FAA facility rehabilitations.
- New track and field athletic complex at USCG Academy, New London, CT involving NCAA regulation 8-lane track with synthetic type running service, separate event throwing areas, NCAA regulation soccer field inside the track and all necessary elements for typical collegiate facilities (lighting, grandstand, scoreboard, etc.) Critical design aspects included managing infiltration and surface water runoff for discharge into Thames River and environmental permitting (SWPPP and coastal zone consistency determination).
- Performed study and conceptual design of an equalization tank for storing roof runoff to be used at two NYCT bus depots in Manhattan and Staten Island.
- Soil Vapor Intrusion (SVI and sub slab depressurization systems (SSDS) design work for office buildings and aircraft hangar/warehouses at former Griffiss AFB and 1.3 million sf of mixed use building in Nassau County.
- Sub-slab depressurization system (SSDS) design including a horizontal well and blower system for a DASNY and NYS Office of Alcoholism and Substance Abuse Services (OASAS) 4,000 sf facility on a 1-acre parcel on a municipal landfill in the City of Peekskill.
- Designed an 80'x45'x30' deep recharge basin with infiltration wells for an 11-acre NYCT bus depot in Staten Island, NY.
- Provided water well treatment design services for a golf course irrigation system in Lake Success, NY.
- Designed a ground mounted 10kw Photovoltaic system for a Town of Islip Compost Facility.
- Performer condition assessments for the Latimer Reef and Little Gull Light Stations in Southold, NY.

### **Feasibility Studies**

- Client List: Governmental-NYCT; Private-Chugai Boyecki, Net Properties.
- Study to prevent the potential migration of a PCB oil pool/contaminated aqueous plume and peat layer settlement due to dewatering activities at Sunnyside Yard, Queens.
- Investigated disposal alternatives for permanent subway dewatering activities in Brooklyn and Manhattan, NY
- Site Planning studies for property consolidations and expansion of shopping centers in LI. Site development potential was evaluated in accordance with local ordinances/codes.

**Quality Control**

- As Department Manager and Project Manager, performs QC on environmental compliance tasks including review of data, designs, and report of Task Leaders.

**Environmental Impact Analysis**

- Client List: Governmental-Federal Aviation Administration, US Army, US Army Corps of Engineers, US Department of Agriculture (USDA)
- Coastal/Biological Monitoring Program components for the US Army Corps of Engineers (USACE), New York District Beach Erosion Control Projects including intertidal ichthyoplankton studies, intertidal offshore finfish studies, nearshore and offshore benthic sampling, water quality analysis, and creel census.
- Cultural resource projects for USACE and FAA in the northeast region including cultural resource surveys; cultural resource assessments; underwater archeology surveys; and recordations.
- Wetland Delineations and Biological Surveys (Grassland Birds) in support of FAA EAs at Teterboro Airport.
- Historic Preservation Plan for Plum Island NY and Historic Structure Report for Plum Island Light Station, Plum Island Animal Disease Center, NY.
- Environmental Scoping Document and presentation agenda for the District's Atlantic Coast of Long Island Fire Island Inlet to Montauk Point, NY Storm Damage Reduction Reformation Study.
- Preliminary Environmental Assessment (PEA) Reconnaissance Studies for USACE Flood Control and Shore Protection Projects in South River, Raritan River Basin, NJ and Cliffwood Beach, NJ.
- Environmental assessment and architectural and historical study for a USMA historical building/site at West Point, NY.
- Draft Supplemental Environmental Impact Statement (EIS) Limited Reevaluation Study for the Deepening of the Arthur Kill/Howland Hook Navigation Channel in NY/NJ.
- Long and Short Environmental Assessment Forms (EAFs) for construction and site development projects in LI, NY.
- Environmental Assessments for Federal Aviation Administration (FAA) navigational aid projects at numerous airports in the northeast region in accordance with the National Environmental Policy Act (NEPA) and FAA order 1050.1D Policies and Procedures for Considering Environmental Impacts. Airport projects included Instrument Landing Systems (ILS), Approach Lighting Systems, Remote Transmitters, Doppler Equipment, Air Traffic Control

Towers and Air Route Traffic Control Centers. Airports and support areas included Teterboro, Richmond Intl, Baltimore Washington Intl, Syracuse-Hancock Intl, Newark Intl, Stewart, Philadelphia Intl, LaGuardia, and Leesburgh.

- Environmental assessments for the Army and Air Force Exchange Service (AAFES) at bases in Oahu, HI in accordance with NEPA, AR-200 Environmental Effects of Army Actions and DOD Directive 6050.1 Environmental Effects in the US of DOD Actions. Projects included capital improvement projects at Schofield Barracks, Helemano Military Reservation, Aliamanu Military Reservation, and Bellows Air Force Base.

**Solid Waste Management**

- Client List: Governmental- USDA, NYSOGS,; Municipalities – Town of Riverhead
- Performed site reconnaissance, surveying, identification, and enumeration activities to develop plans, specifications, and environmental permitting for NYSOGS for processing waste tire materials into beneficial shred material to be used by the New York State Department of Transportation (NYSDOT) in road construction projects. Following the development of plans and specifications, FPM assisted NYSOGS with bidding phase services including contractor award and construction/remediation/restoration/ oversight. In total approx. 4 million tires were recycled at four sites across New York State.
- Prepared Solid Waste Management Plan (SWMP) for Town of Riverhead.
- Estimated the remaining volume and footprint for the Youngs Avenue Landfill, Riverhead, NY which currently was in a full scale reclamation mode. Prepared and implemented a boring and excavation plan involving numerous deep borings and shallow test pits and used topographic surveys/landfill maps to estimate footprint boundaries and landfill volume. Based on the results, approximately 2m cy were estimated to be remaining or approximately four to five times the estimated amount. Riverhead Town then put the reclamation project on hold while it evaluated other options including capping.
- Assisted the Town with capping estimates, feasibility study for reclaiming and capping a reduced landfill and engineering reviews for a full Part 360 landfill cap design.
- Removal, recycling, and disposal of over 10,000 cy of construction and demolition debris at various waste management areas on Plum Island, NY involving plans, specifications, cost estimating, and construction oversight for USDA.