ANNUAL SITE MANAGEMENT REPORT
FROM AUGUST 2017 TO SEPTEMBER 2018
MOTT HAVEN CAMPUS-X790
730 CONCOURSE VILLAGE WEST
BRONX, NEW YORK
BCP AGREEMENT # C-203030

PREPARED FOR:

New York City Department of Education
Office of Environmental Health and Safety
44-36 Vernon Blvd.
Long Island City, New York 11101

PREPARED BY:

104 East 25th Street, 10th Floor
New York, New York 10010-2917

Date of Issue: October 24, 2018

ATC Project No. Z214YI1126

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Attachments:

PROJECT DIRECTORY

CLIENT:	New York City Department of Education Office of Environmental Health and Safety 44-36 Vernon Blvd. Long Island City, New York 11101 (718) 361-3808
PROJECT LOCATION:	Mott Haven Campus - X790 730 Concourse Village West Bronx, New York, 10451 (718) 292-2036
PROJECT TECHNICAL SUPPORT:	New York State Department of Environmental Conservation Division of Environmental Remediation, Region 2 47-40 21st Street Long Island City, New York 11101-5407 (718) 482-4891 New York City School Construction Authority 30-30 Thomson Avenue Long Island City, New York 11101 (718) 472-8000 TRC Engineers, Inc. 1430 Broadway New York, NY 10018 (212) 221-7822 STV Incorporated 225 Park Avenue South New York, NY 10003 (212) 777-4400
DESCRIPTION OF WORK:	Review Site Management Plan, O&M plan and prior reports; review custodian's inspection forms, walk-through visual inspection
ATC REPRESENTATIVES:	Gilbert Gedeon, P.E.

EXECUTIVE SUMMARY

This Site Management Report (SMR) covers the period from August 2017 to September 2018 for Mott Haven Campus (X790) located at 730 Concourse Village West, Bronx, New York. This report is being submitted in response to the September 6, 2018 New York State Department of Environmental Conservation (NYSDEC) Reminder Notice included under Attachment 1. This SMR includes information based on the most recent annual site refresher training associated with the operation and maintenance of the sub-slab depressurization system (SSDS), vapor barrier and composite cover system, as well as the annual site inspection conducted on September 11, 2018 pursuant to the NYSDEC-approved Site Management Plan (SMP).

The annual site inspection included an evaluation of engineering controls identified in the SMP which includes the vapor barrier, SSDS, and cover system established at the site. During this inspection, ATC Group Services, LLC (ATC) observed that the Building Management System (BMS) was not connected to all SSDS fans. The custodian reported that the BMS is under repair. ATC also observed the spare fan unit is located in Room B80.

During the inspection of the SSDS fan units located on the roof, all SSDS fans were observed to be operational, however, the flex joint cloths on SSDS fan units EF-4 and EF-6 were damaged and require replacement, and the belt on EF-6 was observed to be loose.

During the vapor barrier inspection of the lowest floor, ATC observed that the hairline cracks in Rooms C19, C20, C20B, C29F, C44, C48, C59, C80J, C84 and C86 reported in the previous year had been patched with cement by custodial staff.

In addition, during the inspection of the cover system and exterior, ATC observed the following:

- Shallow excavation south of Tower D reportedly due to a rerouted conduit line from Tower D to a proposed trash compactor to be installed southeast of Tower D;
- Shallow excavation southeast of Tower D reportedly to install a concrete pad for the proposed trash compactor;
- Cracking of the concrete slab and, in some cases, lifting/separation of the concrete slab from the gravel below it in three (3) areas under the platform that supports Public School (P.S.) 151 and former P.S. 156 as follows:
    - North Manhole – cracking and lifting of concrete, approximately 8’ x 8’ area;
    - South Manhole – cracking and lifting of concrete, approximately 6’ x 6’ area;
    - Near Column H281 – cracking of concrete, approximately 3’ x 3’ areas;
- Cracking and deterioration of the asphalt pavement around the manhole near the emergency fire lane exit gate; and
- Slight soil erosion due to vehicular traffic along the grass covered areas East of Tower D.

Based on the visual inspection and document review, ATC concludes that the Engineering Controls (ECs) and Institutional Controls (ICs) have not changed, are effective, protect public health and the environment, and the remedial goals are being met, except as it relates to the cover system near Tower D and underneath the platforms of PS 156 and IS 151. Accordingly, a Corrective Measures Work Plan (CMWP) was prepared as part of the Annual SMR submitted to the NYSDEC.

1.0 INTRODUCTION

On behalf of the NYCDOE Office of Environmental Health and Safety (DOE/EHS), ATC is pleased to provide this SMR to NYSDEC for Mott Haven Campus (X790) located at 730 Concourse Village West in Bronx, New York. The campus opened in September 2010 and is currently attended by approximately 2,003 students.

A one-acre area of the Mott Haven Property was accepted into the Brownfield Cleanup Program (BCP) and underwent remedial action from July 2006 to October 2007. The SMP was generated to ensure operation, maintenance, and effectiveness of the ECs and Environmental Easement (institutional controls). The BCP Area and the remainder of the property are addressed by the SMP.

This report was completed in accordance with the revised SMP approved by the NYSDEC on April 29, 2016.

The scope of work for this report included:

1. Review of the school custodian's monthly inspection logs documenting his routine walk-through to identify any observed changes to the ECs and ICs;
2. Roof-mounted SSDS equipment inspection;
3. Basement inspection and exterior inspection for concrete cracks;
4. Review of SMP, Operations and Maintenance Plan (O&M Plan) and Groundwater Monitoring Reports; and
5. Photographic documentation of observations.

This report was developed to document: (a) the changes to the ECs and ICs if any, and (b) whether the program for maintenance and monitoring is being implemented in accordance with the SMP. Mr. Gilbert Gedeon, P.E. of ATC, conducted an annual site inspection on September 11, 2018. During the inspection, ATC was accompanied by Mr. Robert Rivera Jr., the school's Fireman.

2.0 ENGINEERING CONTROLS

According to the SMP prepared by Chicago Bridge & Iron Company (CB&I) (formerly Shaw Environmental & Infrastructure), dated November 2008, the Mott Haven Campus (X790) contains ECs that include a Gas Vapor Barrier and a SSDS constructed beneath the school to prevent residual soil vapors from entering the Mott Haven Campus buildings. In addition, a Composite Surface Cover System consisting of asphalt, concrete, pavers and soil cover was constructed to act as a barrier to prevent direct contact with subsurface soils.

2.1 Vapor Barrier

The vapor barrier was installed beneath the school buildings as a precautionary measure to prevent soil vapors from entering the buildings in the future. The vapor barrier is applied underneath the buildings' ground floor slabs.

2.2 Sub-Slab Depressurization System

A sub-slab depressurization system was installed at the school as an added safeguard to prevent soil vapors from entering the school buildings in the future. The primary components of the SSDS are gas permeable aggregate (GPA) and slotted schedule 80 PVC piping located beneath the school, schedule 40 steel riser piping through building chase spaces from the ground floor slab to the roof, and stainless steel ductwork connecting the steel SSDS piping to the six (6) roof top fans. The SSDS fans are monitored by the Building Management System (BMS) using differential pressure switches mounted near each SSDS fan.

2.3 Composite Cover System

A composite cover system was installed on the school campus and also below the platform of P.S. 156 and I.S. 151 to the north of the property, to prevent school occupants from exposure to the underlying soils. This composite cover system is comprised of school buildings (concrete foundation), asphalt pavement, concrete sidewalks, and the concrete cap below the platforms that support P.S. 156 and I.S. 151, artificial turf on athletic fields, or two feet of clean fill on all exposed ground surfaces.

3.0 INSTITUTIONAL CONTROLS

The ICs at the Site state that the owner of the Property shall:

1. Comply with the Environmental Easement and Declarations of Covenants and Restrictions (DCR) and comply with all elements of the SMP;
2. Operate and maintain all ECs as per the SMP;
3. Inspect, maintain, and certify the integrity of the cover system consisting of concrete building slabs, asphalt pavement, concrete covered sidewalks, and artificial turf athletic field, or two feet of clean fill on all exposed ground surfaces including landscaped areas in the BCP Area and Non-BCP Area A as required by the SMP;
4. Inspect the cover system consisting of a concrete cap on all exposed ground surfaces beneath P.S. 156 and I.S. 151 to prevent human exposure to underlying soils remaining under Non-BCP Area B;
5. Operate, inspect, maintain, and certify the soil vapor mitigation system consisting of a SSDS and vapor barrier under all building structures (BCP Area and Non-BCP Area A) as required;
6. Inspect and certify all ECs at a frequency and in a matter defined in the SMP;
7. Report data and information relevant to Site Management for the Property at the frequency and in a manner defined in the SMP;
8. Protect and replace on-site monitoring devices as necessary to ensure the devices function in the manner specified in the SMP;
9. Refrain from discontinuing the ECs without an amendment or the extinguishment of the Environmental Easement or DCR and approval by NYSDEC and NYSDOH;
10. Prohibit farming and vegetable gardens on the Property;
11. Prohibit the use of groundwater underlying the Property unless treatment is used rendering it safe for its intended purpose;
12. Prohibit all future activities on the Property that will disturb historic urban fill material (Non-BCP Area A and Non BCP Area B) unless conducted as defined in the soil management provisions of the SMP;
13. Use the Property as a school campus provided all long-term ECs and ICs included in the SMP are employed;
14. Prohibit the Property from being used for purposes other than a school without an amendment or the extinguishment of the Environmental Easement and DCR approved in writing by the NYSDEC; and
15. Agree to submit to NYSDEC a written statement that certifies that: (1) controls employed at the Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow. This annual statement must be certified by an expert that the NYSDEC finds acceptable.

4.0 SITE INSPECTIONS AND SSDS REPAIRS

4.1 Document Review

4.1.1 Review of Custodian's Inspection Logs

ATC reviewed the Monthly or Severe Condition Inspection Forms with the custodial staff, which were prepared for the months of August 2017 through September 2018.

During the review, ATC noted the following:

1. The BMS was not connected to all SSDS, even though the fan units were observed to be operational; and
2. Flex joints associated with SSDS EF-4 and EF-6 were reported to be deteriorated and in need of replacement.

Additionally, the Routine and Preventative Maintenance Checklists were completed for the months of December 2017 and June 2018.

Since the BMS is not monitoring the SSDS fans, the custodial staff was instructed to conduct daily checks of all SSDS fan units. A supplemental form, *SSDS Fan Daily Checklist*, was provided to the custodial staff to log in the daily fan inspections until the BMS is restored. The *SSDS Fan Daily Checklist* is included in Attachment 8.

As part of the annual inspection, ATC provided annual refresher training and advised the custodial staff to continue to conduct the inspection on a monthly and semi-annual basis and document the observations in a monthly inspection form and semi-annual checklist. The Monthly Inspection Forms, routine maintenance checklists and Training Acknowledgement are included in Attachments 2, 3, and 6, respectively.

4.2 ATC's Visual Observations

On September 11, 2018, ATC conducted visual observations and photographic documentation while accompanied by the custodial staff. Site photographs are included Attachment 4 and the Annual Inspection Form is included in Attachment 5. During the inspection, ATC noted the following:

1. All SSDS fans are operational;
2. The BMS is not connected to the SSDS , even though the fan units were observed to be operational; and
3. A spare fan unit labeled EF-7 is available at the school and is located in Room B80.

4.2.1 Roof Vent SSDS Inspection

1. The SSDS blowers and stacks are located on the roof of Buildings A, B, C, and D as follows:

- ***Buildings A & B*** roofs have two fans each: one fan unit on the main roof and the other unit on top of the mechanical penthouse roof.
- ***Buildings C & D*** roofs have one fan unit each: on top of the mechanical penthouse roof.

2. All SSDS fan units were operational;
4. All fan belts were aligned and in good condition, with the exception of the belt on SSDS EF-6 which was observed to be loose. The custodial staff has been replacing worn belts on an as-needed basis;
3. The vacuum gauges on all units were operational, with the exception of the gauge on SSDS EF-6;
4. The flex joint cloths on SSDS fan units EF-4 and EF-6 were observed to be damaged; and
5. Fan mounting and vibration isolators were intact.

Following the annual inspection, custodial staff informed ATC that the belt on SSDS EF-6 had been replaced on September 28, 2018 and that the fan gauge on that fan was now operating correctly.

4.2.2 Basement Inspection

ATC inspected the accessible areas of the basement floor and did not observe any significant visible cracks penetrating into the basement floor during the annual inspection.

During the vapor barrier inspection of the lowest floor, ATC observed that the hairline cracks in Rooms C19, C20, C20B, C29F, C44, C48, C59, C80J, C84 and C86 reported in the previous year had been patched with cement by custodial staff. Any other significant cracks observed during these monthly inspections will require patching with cement or grout.

ATC's observation of the basement concrete floors was limited due to architectural finishes such as ceramic floor tiles, vinyl floor tiles, wood flooring and miscellaneous equipment and furniture.

4.2.3 Exterior Inspection

ATC inspected the composite cover system around the perimeter of the Mott Haven Campus including the paved and unpaved areas. There was no evidence of significant pavement removal with the exception of the following areas:

- Shallow excavation south of Tower D was reportedly due to a rerouted conduit line from Tower D to a proposed trash compactor to be installed southeast of Tower D. The area of the shallow excavation was approximately 12" by 14' and reportedly 12" deep which impacted approximately 6" of asphaltic pavement and 6" of aggregate. The excavated area has been backfilled with the same material, however the work has not been completed to date.

- The shallow excavation southeast of Tower D was reportedly to install a concrete pad for the proposed trash compactor. The area of the shallow excavation was approximately 30' x 15' and reportedly 12" deep which impacted approximately 6' of asphaltic pavement

and 6" of aggregate. The excavated area impacted has been backfilled with 12" of reinforced concrete, however the work has not been completed to date.

In addition, the following was observed during the walk-through inspection:

- Cracking of the concrete slab and, in some cases, lifting/separation of the concrete slab from the gravel below it in three (3) areas under the platform that supports Public School (P.S.) 151 and former P.S. 156 as follows:
  - North Manhole – cracking and lifting of concrete, approximately 8' x 8' area
  - South Manhole – cracking and lifting of concrete, approximately 6' x 6' area
  - Near Column H281 – cracking of concrete, approximately 3' x 3' area

- Cracking and deterioration of asphalt pavement around the manhole was observed near the emergency fire lane exit gate;

- Slight soil erosion due to vehicular traffic was observed along the grass covered areas East of Tower D. The custodial staff reported that the soil has been ordered and is awaiting delivery; and

- ATC also inspected the artificial turf and observed no apparent holes, cracks or deterioration.

While the composite cover system was impacted by the aforementioned activities to a maximum depth of 12", the impacted areas have over six (6) feet of environmental clean fill. ATC concludes that the composite cover system is intact and provides a barrier from direct contact with underlying soils. Please refer to the Cross-Sectional Drawings A-H attached from the SMP included in Attachment 7.

Corrective Measures Work Plan (CMWP) associated with the disturbance of the concrete pad has been prepared and is provided in Attachment 7. Upon completion, ATC will revisit the site to verify that this work has been completed.

The custodial staff informed ATC that multiple work orders have been issued for repairing and completing the above mentioned defects in the cover system.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on visual observations, ATC concludes the following:

1. The BMS is not connected to the SSDS, even though the fan units were observed to be operational;
2. The flex joint cloths on SSDS fan units EF-4 and EF-6 were observed to be damaged;
3. The vacuum gauges on all units were operational;
4. Cracking of concrete slab and, in some cases, lifting/separation of the concrete slab was observed in three (3) areas under the platform that supports Public School (P.S.) 151 and former P.S. 156;
5. Cracking and deterioration of asphalt pavement around the manhole was observed near the emergency fire lane exit gate;
6. Slight soil erosion due to vehicular traffic was observed along the grass covered areas East of Tower D. Custodial staff reported that the soil has been ordered and is awaiting delivery;
7. The ICs and ECs are in place, remain effective;
8. The O&M Plan is being implemented;
9. No changes have occurred that would reduce the ability of the controls to protect public health and the environment, except as it relates to the shallow excavations on the cover system near Tower D, and defects on the concrete cover underneath the platforms of PS 156 and IS 151. Accordingly, CMWP was prepared as part of the Annual SMR submitted to the NYSDEC.
10. Access is available to the Site by NYSDEC and NYSDOH to evaluate continued maintenance of such controls; and
11. Site usage is compliant with the environmental easement.

Based on document review and visual observations, ATC recommends the following:

1. Correct the BMS to monitor all units, complete the supplement daily checklist for each fan unit until the BMS had been repaired;
2. Replace the damaged flex joint cloths on SSDS fan units EF-4 and EF-6; DOE Work Order - WO#00678445
3. Repair damaged concrete cover system around manholes and Column H281 below building 156 per the Site Management Plan (SMP). DOE Work Order - WO#00599184.
4. Repair excavated areas of the asphalt pavement south and southeast of Tower D per SMP requirements; DOE Work Order - WO#00010820-00226.
5. Repair damaged asphalt pavement around the manhole observed near the emergency fire lane exit gate. DOE Work Order -WO#007125725;
6. Continue documenting all operation and maintenance activities on ECs;
7. Continue to conduct monthly and routine/preventative maintenance inspections and record observations in the Monthly and Routine and Preventative Maintenance logs;
8. Conduct daily SSDS fan checks and document in the SSDS Fan Daily Checklist until the BMS is restored; and
9. Continue to replace any worn fan belts and conduct preventative maintenance on the SSDS fan units as needed.

6.0 STANDARDS OF CARE

ATC's work was performed in a professional manner with the best interest of our client in mind. Our objective was to perform our work with care, exercising the customary skills and competence of consulting professionals in the relevant disciplines. The conclusions presented in this report are professional opinions based upon visual observations, site documents review and real-time environmental measurements. The conclusions expressed in this report reflect only the limited inspections of specific locations. The opinions and recommendations presented herein apply to site conditions existing at the time of our observations. ATC cannot act as insurers, and no expressed or implied representation or warrant is included or intended in our report except that our work was performed, within the limits prescribed by our clients, with the customary thoroughness and competence of our profession at the time and place the services were rendered.

It is our pleasure to provide our consultative services to the NYCDOE. If you have any questions about this report, please call (212) 353-8280.

Sincerely,
ATC GROUP SERVICES, LLC

Gilbert Gedeon, P.E.
Principal Engineer

cc: B. Orlan
Y. Efstathiou
N. Guevara

Attachment 1
Institutional and Engineering Controls Certification Form

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

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

Site No. C203030

Site Name Former Metro North Property

Site Address: 730 Concourse Village West Zip Code: 10451
City/Town: New York
County: Bronx
Site Acreage: 0.9

Reporting Period: ~~July 31, 2017 to July 31, 2018~~

August 1, 2017 to September 11, 2018

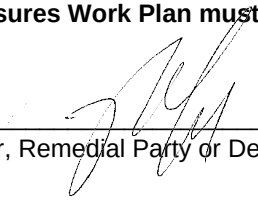
	YES	NO
1. Is the information above correct?	❑	☒
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	❑	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	❑	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	❑	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	❑	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☐	☒

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.

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



Signature of Owner, Remedial Party or Designated Representative

October 24, 2018

Date

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

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. C203030
Description of Institutional Controls

Parcel	Owner	Institutional Control
9-2443-78 P/O	New York City Dept. of Education	Ground Water Use Restriction Soil Management Plan Landuse Restriction Building Use Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

ICs:
Compliance with the Environmental Easement and DCR.
All ECs must be operated and maintained as specified in SMP
Cover systems inspection, certification, and maintenance.
Soil Vapor Mitigation system consisting of vapor Barrier and SSDS must be inspected, certified, and maintained as required in SMP. All ECs must be inspected and certified at frequency specified in SMP. Groundwater monitoring must be performed as specified in SMP. Groundwater monitoring wells must be protected and replaced as necessary to ensure compliance with SMP. ECs may not be discontinued or amended without concurrence from NYSDEC and NYSDOH. Vegetable gardens and farming at the property is prohibited. The use of groundwater property is prohibited. All activities disturbing urban fill materials are prohibited. Controlled property can only be used as a school provided long term ICs and ECs are employed as specified in SMP.

Description of Engineering Controls

Parcel	Engineering Control
9-2443-78 P/O	Vapor Mitigation Groundwater Containment Subsurface Barriers Fencing/Access Control

ECs:
Cover Systems
Vapor Barrier
Jet Grout Hydraulic Barrier
Waterloo Hydraulic Barrier

SSDS

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 compete.

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. C203030

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 _____ at _____,
print name print business address

am certifying as _____(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 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 _____ at _____,
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

Stamp (Required for PE)

Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.

C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

Attachment 2
Custodian Monthly or Severe Condition Inspection Forms

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451

Inspector's Name: Robert Rivera Jr
Inspection Date: 8/12/17
Inspection Time: 10:00
Comments:

Weather Conditions: Cloudy
Air Temperature (°F): High 82° Low 70°

A. SSDS SYSTEM INSPECTION

1. Walk the entire roof surface of the school buildings.

* Inspect fan stack guy wires. Yes all fan stack guy wires are ok properly tighten
* Inspect fan mounting and vibration isolators. Yes all mounting & vibration isolation are ok
* Inspect condition of fan belt. Yes all AX25 belts are good in condition
* Inspect alignment of fan belt. Yes all belts are properly align
* Record vacuum gauge reading. EF-1: -10.0 inches of water EF-2: -4.8 inches of water
  EF-3: -4.8 inches of water EF-4: -5.2 inches of water
  EF-5: -4.8 inches of water EF-6: -5.1 inches of water
* Inspect bolts and set screws for tightness and rusty condition. Yes all bolts & set screws are ok
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. Need cleaning
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N) Yes
* Confirm that a spare fan is stored in a designated secure location and in working condition. Yes
* Confirm that the spare fan's bearings are completely filled with grease/lubricant. Yes CB06B80
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Yes
* Comments (See or hear anything unusual?): All ok

B. COVER SYSTEM – BOTTOM FLOOR INSPECTION

1. Walk all of the bottom floors.

* Any visible cracks or depressions in the ground floors? (Y/N) NO
* Any other visible openings (unintended) in the ground floors? (Y/N) NO
* Draw approximate location of floor cracks/openings on the site map. N/A
* Note the length of the crack/opening. N/A
* Note the width of the crack/opening. N/A
* Comments: All ok

C. COVER SYSTEM – EXTERIOR INSPECTION

1. **Walk and inspect the entire perimeter of the Site.**
2. **Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.**
3. **Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N) NO
* Has any of the pavement material been removed? (Y/N) NO
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N) NO
* Have any structures been constructed on the unpaved areas? (Y/N) NO

* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? (Y/N) Yes
* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) No
* Comments: Soil erosion near football field bleachers

D. REPAIRS

* Summarize needed/ completed repairs to the Engineering Controls Replace flex joint cloth on EF4-& EF6

Inspector's Signature: [signature]

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451

Inspector's Name: Robert Rivera Jr
Inspection Date: 9/15/17
Inspection Time: 10:00am
Comments:

Weather Conditions: Sunny
Air Temperature (°F): High 82° Low 69°

A. SSDS SYSTEM INSPECTION

1. Walk the entire roof surface of the school buildings.

* Inspect fan stack guy wires. Yes all fan stack guy wires are ok properly tighten
* Inspect fan mounting and vibration isolators. Yes all mounting & vibration isolations are ok
* Inspect condition of fan belt. Yes all AX25 belts are in good condition
* Inspect alignment of fan belt. Yes all Fan belts are properly align
* Record vacuum gauge reading. EF-1: -10.0 inches of water ✓ EF-2: -4.8 inches of water
  EF-3: -4.5 inches of water ✓ EF-4: -5.2 " "
  EF-5: -4.8 inches of water ✓ EF-6: -5.1 " "
* Inspect bolts and set screws for tightness and rusty condition. Yes
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. Yes
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N) Yes
* Confirm that a spare fan is stored in a designated secure location and in working condition. Yes
* Confirm that the spare fan's bearings are completely filled with grease/lubricant. Yes
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Yes
* Comments (See or hear anything unusual?): NO

B. COVER SYSTEM – BOTTOM FLOOR INSPECTION

1. Walk all of the bottom floors.

* Any visible cracks or depressions in the ground floors? (Y/N) NO
* Any other visible openings (unintended) in the ground floors? (Y/N) NO
* Draw approximate location of floor cracks/openings on the site map. N/A
* Note the length of the crack/opening. N/A
* Note the width of the crack/opening. N/A
* Comments: All is ok

C. COVER SYSTEM – EXTERIOR INSPECTION

1. **Walk and inspect the entire perimeter of the Site.**
2. **Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.**
3. **Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N) NO
* Has any of the pavement material been removed? (Y/N) No
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N) NO
* Have any structures been constructed on the unpaved areas? (Y/N) NO

* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? (Y/N) Yes
* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) No.
* Comments: Foot ball field level near bleachers soil is eroding by bleachers

D. REPAIRS

* Summarize needed/ completed repairs to the Engineering Controls Replace flex Joint Cloth for EF4 - EF6

Inspector's Signature: Edwin Rivera JL

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451

Inspector's Name: Robert Rivera Jr
Inspection Date: 10/24/17
Inspection Time: 10:00 am
Comments:

Weather Conditions: Sunny
Air Temperature (°F): 65°F

A. SSDS SYSTEM INSPECTION

1. Walk the entire roof surface of the school buildings.

* Inspect fan stack guy wires. Yes all fan stack guy wires are OK properly tighten
* Inspect fan mounting and vibration isolators. Yes all mounting & vibration isolators are OK
* Inspect condition of fan belt. Yes all AX25 belts are in good condition
* Inspect alignment of fan belt. Yes all fan belts are properly align
* Record vacuum gauge reading. EF-1: -10.0 inches of water ✓ EF-2: -4.8 inches of water ✓
  EF-3: -4.8 inches of water ✓ EF-4: -5.2 inches of water ✓
  EF-5: -4.8 inches of water ✓ EF-6: -5.1 inches of water ✓
* Inspect bolts and set screws for tightness and rusty condition. Yes
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. Yes
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N) Yes
* Confirm that a spare fan is stored in a designated secure location and in working condition. Yes
* Confirm that the spare fan's bearings are completely filled with grease/lubricant. Yes
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Yes
* Comments (See or hear anything unusual?): NO

B. COVER SYSTEM – BOTTOM FLOOR INSPECTION

1. Walk all of the bottom floors.

* Any visible cracks or depressions in the ground floors? (Y/N) NO
* Any other visible openings (unintended) in the ground floors? (Y/N) NO
* Draw approximate location of floor cracks/openings on the site map. N/A
* Note the length of the crack/opening. NO
* Note the width of the crack/opening. NO
* Comments: Everything OK

C. COVER SYSTEM – EXTERIOR INSPECTION

1. **Walk and inspect the entire perimeter of the Site.**
2. **Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.**
3. **Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N) NO
* Has any of the pavement material been removed? (Y/N) NO
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N) NO
* Have any structures been constructed on the unpaved areas? (Y/N) NO

* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? (Y/N) NO
* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO
* Comments: Everything ok

D. REPAIRS

* Summarize needed/ completed repairs to the Engineering Controls

Inspector's Signature: Hector Rivera Jr

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451

Inspector's Name: Robert Rivera JR
Inspection Date: 11-10-17
Inspection Time: 10:00am
Comments:

Weather Conditions: Sunny
Air Temperature (°F): 35°

A. SSDS SYSTEM INSPECTION

1. Walk the entire roof surface of the school buildings.

* Inspect fan stack guy wires. All OK
* Inspect fan mounting and vibration isolators. All OK
* Inspect condition of fan belt. All ok belts AX25 Good
* Inspect alignment of fan belt. All ok alignment Proper
* Record vacuum gauge reading. EF-1: -10.0 inches of Water EF-2: -4.0 inches of water
  EF-3: -4 " " EF-4: -8.5 " "
  EF-5: -8.6 " " EF-6: -8.0 " "
* Inspect bolts and set screws for tightness and rusty condition. All OK
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. All ok
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N) Yes
* Confirm that a spare fan is stored in a designated secure location and in working condition. Yes
* Confirm that the spare fan's bearings are completely filled with grease/lubricant. Yes
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Yes
* Comments (See or hear anything unusual?): NO

B. COVER SYSTEM – BOTTOM FLOOR INSPECTION

1. Walk all of the bottom floors.

* Any visible cracks or depressions in the ground floors? (Y/N) NO
* Any other visible openings (unintended) in the ground floors? (Y/N) NO
* Draw approximate location of floor cracks/openings on the site map. N/A
* Note the length of the crack/opening. NO
* Note the width of the crack/opening. NO
* Comments:

C. COVER SYSTEM – EXTERIOR INSPECTION

1. **Walk and inspect the entire perimeter of the Site.**
2. **Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.**
3. **Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N) NO
* Has any of the pavement material been removed? (Y/N) NO
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N) NO
* Have any structures been constructed on the unpaved areas? (Y/N) NO

* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? (Y/N) Yes
* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO
* Comments:

D. REPAIRS

* Summarize needed/ completed repairs to the Engineering Controls
Flex cloth needed, Vacuum guage needed for replacement, Hair line cracks filled as required inside interior grommet flow

Inspector's Signature: Shut Sharma Ji

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451

Inspector's Name: Robert Rivera Jr
Inspection Date: 12-4-17
Inspection Time: 2:15 pm
Comments: Everything OK

Weather Conditions: Mostly Clear
Air Temperature (°F): 41°F

A. SSDS SYSTEM INSPECTION

1. Walk the entire roof surface of the school buildings.

* Inspect fan stack guy wires. Tighten Guy wires on EF1 & EF2. All Guy wires are OK
* Inspect fan mounting and vibration isolators. Yes all fan mounted & vibration isolators are ok
* Inspect condition of fan belt. Yes all six belts are in good condition
* Inspect alignment of fan belt. Yes all fanbelts are properly align
* Record vacuum gauge reading. EF-1: -10.0 EF-2: -4.0
  EF-3: -3.8 EF-4: -6.5
  EF-5: -3.6 EF-6: -8.0
* Inspect bolts and set screws for tightness and rusty condition. Yes all are ok
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. Yes
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N) Yes
* Confirm that a spare fan is stored in a designated secure location and in working condition. Yes
* Confirm that the spare fan's bearings are completely filled with grease/lubricant. Yes
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Yes
* Comments (See or hear anything unusual?): Everything ok

B. COVER SYSTEM – BOTTOM FLOOR INSPECTION

1. Walk all of the bottom floors.

* Any visible cracks or depressions in the ground floors? (Y/N) Yes C80 J, C84, C86, C59, C20
* Any other visible openings (unintended) in the ground floors? (Y/N) No
* Draw approximate location of floor cracks/openings on the site map. N/A
* Note the length of the crack/opening. N/A hairline crack Not deep
* Note the width of the crack/opening. N/A hairline crack Not deep
* Comments: Everything OK cracks was noted by Husam (ATC) during annual inspection 9/21/17.

C. COVER SYSTEM – EXTERIOR INSPECTION

1. **Walk and inspect the entire perimeter of the Site.**
2. **Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.**
3. **Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N) No
* Has any of the pavement material been removed? (Y/N) No
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N) No
* Have any structures been constructed on the unpaved areas? (Y/N) No

* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? (Y/N) NO
* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO
* Comments: Need to plant grass seeds on field level for Spring 2018 to fill in missing grass spots preventative maintenance.

D. REPAIRS

* Summarize needed/ completed repairs to the Engineering Controls
Going to smooth over hair line cracks in ground floor rooms as noted with cement mix. Need to fill landscaping plots with grass seeds on field level. Need to replace floor cloth on EF4 EE6

Need to replace vacuum guage on ~~EF4~~ all SSDS fans.

Inspector's Signature: [signature]

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451

Inspector's Name: Robert Rivera Jr
Inspection Date: 1-20-18
Inspection Time: 11:00 am
Comments: Everything OK

Weather Conditions: Cloudy
Air Temperature (°F): 46°

A. SSDS SYSTEM INSPECTION

1. Walk the entire roof surface of the school buildings.

* Inspect fan stack guy wires. Tighten guy wires on SSDS 1 BLDG A East. All OK
* Inspect fan mounting and vibration isolators. Yes all fan mounted & Vibration isolators ok
* Inspect condition of fan belt. All OK
* Inspect alignment of fan belt. All OK
* Record vacuum gauge reading. EF-1: -5 inches of water EF-2: -4 inches of water
  EF-3: -4 inches of water EF-4: -4.8 inches of water
  EF-5: -4.5 inches of water EF-6: -3.0 inches of water
* Inspect bolts and set screws for tightness and rusty condition. OK
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. OK
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N) Yes
* Confirm that a spare fan is stored in a designated secure location and in working condition. Yes
* Confirm that the spare fan's bearings are completely filled with grease/lubricant. Yes
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Yes
* Comments (See or hear anything unusual?):

B. COVER SYSTEM – BOTTOM FLOOR INSPECTION

1. Walk all of the bottom floors.

* Any visible cracks or depressions in the ground floors? (Y/N) NO
* Any other visible openings (unintended) in the ground floors? (Y/N) NO
* Draw approximate location of floor cracks/openings on the site map. N/A
* Note the length of the crack/opening. NO
* Note the width of the crack/opening. NO
* Comments: NO

C. COVER SYSTEM – EXTERIOR INSPECTION

1. **Walk and inspect the entire perimeter of the Site.**
2. **Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.**
3. **Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N) Yes
* Has any of the pavement material been removed? (Y/N) NO
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N) Yes
* Have any structures been constructed on the unpaved areas? (Y/N) NO

* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? (Y/N) Yes
* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) No
* Comments:

D. REPAIRS

* Summarize needed/ completed repairs to the Engineering Controls

Fill in all hairline cracks with concrete Replace Vacuum guages on SSDS Fan systems 1-6, Flex cloth still need replacement W/O = 000678445.

Inspector's Signature:

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451

Inspector's Name: Robert Rivera Sr
Inspection Date: 2-6-18
Inspection Time: 1:00pm
Comments:

Weather Conditions: Cloudy
Air Temperature (°F): 36°

A. SSDS SYSTEM INSPECTION

1. Walk the entire roof surface of the school buildings.

* Inspect fan stack guy wires. All OK
* Inspect fan mounting and vibration isolators. All OK
* Inspect condition of fan belt. All OK
* Inspect alignment of fan belt. All OK
* Record vacuum gauge reading. EF-1: -4 inches of water EF-2: -4 inches of water
  EF-3: -4 inches of water EF-4: -4.8 inches of water
  EF-5: -4 inches of water EF-6: -3.0 inches of water
* Inspect bolts and set screws for tightness and rusty condition. OK
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. OK
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N) Yes
* Confirm that a spare fan is stored in a designated secure location and in working condition. Yes
* Confirm that the spare fan's bearings are completely filled with grease/lubricant. Yes
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Yes
* Comments (See or hear anything unusual?): NO

B. COVER SYSTEM – BOTTOM FLOOR INSPECTION

1. Walk all of the bottom floors.

* Any visible cracks or depressions in the ground floors? (Y/N) No
* Any other visible openings (unintended) in the ground floors? (Y/N) NO
* Draw approximate location of floor cracks/openings on the site map. N/A
* Note the length of the crack/opening. NO
* Note the width of the crack/opening. NO
* Comments: NO

C. COVER SYSTEM – EXTERIOR INSPECTION

1. **Walk and inspect the entire perimeter of the Site.**
2. **Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.**
3. **Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N) Yes
* Has any of the pavement material been removed? (Y/N) NO
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N) Yes
* Have any structures been constructed on the unpaved areas? (Y/N) NO

* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? (Y/N) Yes * Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO * Comments:	
D. REPAIRS * Summarize needed/ completed repairs to the Engineering Controls Flex cloth need replacement.	
	Inspector's Signature:

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451

Inspector's Name: Robert Rivera Jr
Inspection Date: 3-15-18
Inspection Time: 11:00 am
Comments:

Weather Conditions: Mostly clear 32°
Air Temperature (°F): 42

A. SSDS SYSTEM INSPECTION

1. Walk the entire roof surface of the school buildings.

* Inspect fan stack guy wires. All OK
* Inspect fan mounting and vibration isolators. All OK
* Inspect condition of fan belt. All OK
* Inspect alignment of fan belt. All OK
* Record vacuum gauge reading. EF-1: -4.0 inches of water EF-2: -4.0 inches of water
  EF-3: -5.0 inches of water EF-4: -4.0 inches of water
  EF-5: -4.0 inches of water EF-6: -3.0 inches of water
* Inspect bolts and set screws for tightness and rusty condition. All OK
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. All OK
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N) Yes
* Confirm that a spare fan is stored in a designated secure location and in working condition. Yes
* Confirm that the spare fan's bearings are completely filled with grease/lubricant. Yes
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Yes
* Comments (See or hear anything unusual?):

B. COVER SYSTEM – BOTTOM FLOOR INSPECTION

1. Walk all of the bottom floors.

* Any visible cracks or depressions in the ground floors? (Y/N) NO
* Any other visible openings (unintended) in the ground floors? (Y/N) NO
* Draw approximate location of floor cracks/openings on the site map. N/A
* Note the length of the crack/opening. NO
* Note the width of the crack/opening. NO
* Comments: NO

C. COVER SYSTEM – EXTERIOR INSPECTION

1. **Walk and inspect the entire perimeter of the Site.**
2. **Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.**
3. **Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N) Yes
* Has any of the pavement material been removed? (Y/N) NO
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N) Yes
* Have any structures been constructed on the unpaved areas? (Y/N) NO

3-15-18

* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? (Y/N) Yes
* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO
* Comments:

D. REPAIRS

* Summarize needed/ completed repairs to the Engineering Controls

Flex cloth need Replacement

Inspector's Signature:

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451

Inspector's Name: Robert Rivera Jr
Inspection Date: 4-18-18
Inspection Time: 1:00pm
Comments:

Weather Conditions: Cloudy
Air Temperature (°F): 50

A. SSDS SYSTEM INSPECTION

1. Walk the entire roof surface of the school buildings.

* Inspect fan stack guy wires. All OK
* Inspect fan mounting and vibration isolators. All OK
* Inspect condition of fan belt. All OK
* Inspect alignment of fan belt. All OK Belts AX25
* Record vacuum gauge reading. EF-1: -4 inches of Water EF-2: -4 inches of water
  EF-3: -4 inches of Water EF-4: -4 inches of Water
  EF-5: -4 inches of Water EF-6: -3 inches of Water
* Inspect bolts and set screws for tightness and rusty condition. All OK
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. All OK
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N) Yes
* Confirm that a spare fan is stored in a designated secure location and in working condition. Yes
* Confirm that the spare fan's bearings are completely filled with grease/lubricant. Yes
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Yes
* Comments (See or hear anything unusual?):

B. COVER SYSTEM – BOTTOM FLOOR INSPECTION

1. Walk all of the bottom floors.

* Any visible cracks or depressions in the ground floors? (Y/N) No
* Any other visible openings (unintended) in the ground floors? (Y/N) No
* Draw approximate location of floor cracks/openings on the site map. N/A
* Note the length of the crack/opening. No
* Note the width of the crack/opening. No
* Comments: No

C. COVER SYSTEM – EXTERIOR INSPECTION

1. **Walk and inspect the entire perimeter of the Site.**
2. **Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.**
3. **Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N) Yes
* Has any of the pavement material been removed? (Y/N) No
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N) Yes
* Have any structures been constructed on the unpaved areas? (Y/N) No

4-18-16

* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? (Y/N) Yes * Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO * Comments:
D. REPAIRS * Summarize needed/ completed repairs to the Engineering Controls Plex cloth need replacement, Black Top pave area along Emergency access fire lane near MTA Bridge Rapnp near sewer drain Crack unsettled
Inspector's Signature:

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451

Inspector's Name: Robert Rivera Jr
Inspection Date: 5-8-18
Inspection Time: 10:00am
Comments:

Weather Conditions: Clear
Air Temperature (°F): 66°

A. SSDS SYSTEM INSPECTION

1. Walk the entire roof surface of the school buildings.

* Inspect fan stack guy wires. All OK
* Inspect fan mounting and vibration isolators. All OK
* Inspect condition of fan belt. All OK
* Inspect alignment of fan belt. All OK belts AX25
* Record vacuum gauge reading. EF-1: -4 inches of Water EF-2: -4 inches of Water
  EF-3: -4 inches of Water EF-4: -4 inches of Water
  EF-5: -4 inches of Water EF-6: -3 inches of water
* Inspect bolts and set screws for tightness and rusty condition. All OK
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. All OK
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N) NO
* Confirm that a spare fan is stored in a designated secure location and in working condition. Yes
* Confirm that the spare fan's bearings are completely filled with grease/lubricant. Yes
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Yes
* Comments (See or hear anything unusual?): N/A

B. COVER SYSTEM – BOTTOM FLOOR INSPECTION

1. Walk all of the bottom floors.

* Any visible cracks or depressions in the ground floors? (Y/N) NO
* Any other visible openings (unintended) in the ground floors? (Y/N) NO
* Draw approximate location of floor cracks/openings on the site map. N/A
* Note the length of the crack/opening. NO
* Note the width of the crack/opening. NO
* Comments: NO

C. COVER SYSTEM – EXTERIOR INSPECTION

1. **Walk and inspect the entire perimeter of the Site.**
2. **Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.**
3. **Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N) Yes
* Has any of the pavement material been removed? (Y/N) NO
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N) Yes
* Have any structures been constructed on the unpaved areas? (Y/N) NO

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451

Inspector's Name: Robert Rivera Sr. Weather Conditions: Sunny
Inspection Date: 06-05-18 Air Temperature (°F): 72°
Inspection Time: 1:00 pm
Comments:

A. SSDS SYSTEM INSPECTION

1. Walk the entire roof surface of the school buildings.

* Inspect fan stack guy wires. All OK
* Inspect fan mounting and vibration isolators. All OK
* Inspect condition of fan belt. All OK belt AX25
* Inspect alignment of fan belt. All OK
* Record vacuum gauge reading. EF-1: EF-2:
  EF-3: EF-4:
  EF-5: EF-6:
* Inspect bolts and set screws for tightness and rusty condition. All OK
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. All OK
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N) NO
* Confirm that a spare fan is stored in a designated secure location and in working condition. Yes
* Confirm that the spare fan's bearings are completely filled with grease/lubricant. Yes
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Yes
* Comments (See or hear anything unusual?):

B. COVER SYSTEM – BOTTOM FLOOR INSPECTION

1. Walk all of the bottom floors.

* Any visible cracks or depressions in the ground floors? (Y/N) No
* Any other visible openings (unintended) in the ground floors? (Y/N) No
* Draw approximate location of floor cracks/openings on the site map. N/A
* Note the length of the crack/opening. No
* Note the width of the crack/opening. No
* Comments: No

C. COVER SYSTEM – EXTERIOR INSPECTION

1. **Walk and inspect the entire perimeter of the Site.**
2. **Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.**
3. **Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N) Yes
* Has any of the pavement material been removed? (Y/N) No
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N) Yes
* Have any structures been constructed on the unpaved areas? (Y/N) No

06-05-18

* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? (Y/N) Yes * Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO * Comments:
D. REPAIRS * Summarize needed/ completed repairs to the Engineering Controls Plex cloth need replacement Black Top Pave area need repair near sewer cap, BMS is down need repair
Inspector's Signature:

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451

Inspector's Name: Robert Rivera Jr
Inspection Date: 07-26-16
Inspection Time: 11:00 am
Comments:

Weather Conditions: Mostly Cloudy
Air Temperature (°F): 85

A. SSDS SYSTEM INSPECTION

1. Walk the entire roof surface of the school buildings.

* Inspect fan stack guy wires. All OK
* Inspect fan mounting and vibration isolators. All OK
* Inspect condition of fan belt. All OK belt AX 25
* Inspect alignment of fan belt. All OK
* Record vacuum gauge reading. EF-1: -4 EF-2: -4
  EF-3: -5 EF-4: -4
  EF-5: -4 EF-6: -3
* Inspect bolts and set screws for tightness and rusty condition. All OK
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. All OK
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N) ~~Y~~ NO
* Confirm that a spare fan is stored in a designated secure location and in working condition. Yes
* Confirm that the spare fan's bearings are completely filled with grease/lubricant. Yes
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Yes
* Comments (See or hear anything unusual?):

B. COVER SYSTEM – BOTTOM FLOOR INSPECTION

1. Walk all of the bottom floors.

* Any visible cracks or depressions in the ground floors? (Y/N) No
* Any other visible openings (unintended) in the ground floors? (Y/N) No
* Draw approximate location of floor cracks/openings on the site map. N/A
* Note the length of the crack/opening. No
* Note the width of the crack/opening. No
* Comments: No

C. COVER SYSTEM – EXTERIOR INSPECTION

1. **Walk and inspect the entire perimeter of the Site.**
2. **Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.**
3. **Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N) Yes
* Has any of the pavement material been removed? (Y/N) No
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N) Yes
* Have any structures been constructed on the unpaved areas? (Y/N) No

7-26-2018

* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? (Y/N) Yes * Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO * Comments:	
D. REPAIRS * Summarize needed/ completed repairs to the Engineering Controls Flex cloth needed for replacement + BMS is down, need service, Black Top Paver need replacement/repair	
	Inspector's Signature:

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451

Inspector's Name: Robert Rivera Jr
Inspection Date: 08/17/18
Inspection Time: 9:00 am
Weather Conditions: Mostly Sunny
Air Temperature (°F): 79°
Comments:

A. SSDS SYSTEM INSPECTION

1. Walk the entire roof surface of the school buildings.

* Inspect fan stack guy wires. All OK
* Inspect fan mounting and vibration isolators. All OK
* Inspect condition of fan belt. All OK
* Inspect alignment of fan belt. All OK
* Record vacuum gauge reading. EF-1: -4 EF-2: -4
  EF-3: -4 EF-4: -4
  EF-5: -4 EF-6: -3
* Inspect bolts and set screws for tightness and rusty condition. All OK
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. All OK
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N) NO
* Confirm that a spare fan is stored in a designated secure location and in working condition. Yes
* Confirm that the spare fan's bearings are completely filled with grease/lubricant. Yes
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Yes
* Comments (See or hear anything unusual?):

B. COVER SYSTEM – BOTTOM FLOOR INSPECTION

1. Walk all of the bottom floors.

* Any visible cracks or depressions in the ground floors? (Y/N) NO
* Any other visible openings (unintended) in the ground floors? (Y/N) NO
* Draw approximate location of floor cracks/openings on the site map. N/A
* Note the length of the crack/opening. NO
* Note the width of the crack/opening. NO
* Comments: NO

C. COVER SYSTEM – EXTERIOR INSPECTION

1. **Walk and inspect the entire perimeter of the Site.**
2. **Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.**
3. **Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N) Yes
* Has any of the pavement material been removed? (Y/N) Yes
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N) Yes
* Have any structures been constructed on the unpaved areas? (Y/N) NO

* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? (Y/N) Yes
* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO
* Comments:

D. REPAIRS

* Summarize needed/ completed repairs to the Engineering Controls
Flex cloth needed for replacement, Black Top Paver needs repair near sewer cap. BMS is down need service SSDS b gauge is down need replacement

Inspector's Signature:

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451

Inspector's Name: Robert Rivera Jr
Inspection Date: 09-07-2018
Inspection Time: 11:00 am
Comments:

Weather Conditions: Cloudy 74°
Air Temperature (°F): 78°

A. SSDS SYSTEM INSPECTION

1. Walk the entire roof surface of the school buildings.

* Inspect fan stack guy wires. All OK
* Inspect fan mounting and vibration isolators. All OK
* Inspect condition of fan belt. All OK AX25 Good condition
* Inspect alignment of fan belt. All OK alignment Proper
* Record vacuum gauge reading. EF-1: -4 EF-2: -4
  EF-3: -4 EF-4: -5
  EF-5: -4 EF-6: Defective
* Inspect bolts and set screws for tightness and rusty condition. All OK
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. All OK
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N) NO
* Confirm that a spare fan is stored in a designated secure location and in working condition. Yes
* Confirm that the spare fan's bearings are completely filled with grease/lubricant. Yes
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Yes
* Comments (See or hear anything unusual?): N/A

B. COVER SYSTEM – BOTTOM FLOOR INSPECTION

1. Walk all of the bottom floors.

* Any visible cracks or depressions in the ground floors? (Y/N) NO
* Any other visible openings (unintended) in the ground floors? (Y/N) NO
* Draw approximate location of floor cracks/openings on the site map. N/A
* Note the length of the crack/opening. NO
* Note the width of the crack/opening. NO
* Comments: None

C. COVER SYSTEM – EXTERIOR INSPECTION

1. **Walk and inspect the entire perimeter of the Site.**
2. **Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.**
3. **Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N) Yes
* Has any of the pavement material been removed? (Y/N) Yes
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N) Yes
* Have any structures been constructed on the unpaved areas? (Y/N) NO

* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? (Y/N) Yes
* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO
* Comments:

D. REPAIRS

* Summarize needed/ completed repairs to the Engineering Controls

SSDS Cloth need replacement, Black top Paver near ~~SSD~~ sewer cap need Repair, SSDS & Gauge need replacement. BMS is down need service

Inspector's Signature: Albert Lucero

Attachment 3
Routine and Preventative Maintenance Checklists

Routine and Preventative Maintenance Checklist

SSDS Fan

Inspector's Name: Robert Rivera Jr

Inspection Date/Time: 12-4-17

Purpose: (circle one) (Semiannual Inspection) Fan Malfunction (describe)

SSDS Fan Maintenance Checklist

Preform the steps below for every SSDS fan during a biannual inspection, or for any SSDS fan experiencing issues	Completed Y/N	List Any Issues or Unusual Behavior
1. Disconnect, lock out, and tag fan electrical power source	Yes	
2. Check all SSDS fan bearings	Yes	
3. Inspect SSDS fan drive belt for tightness and wear. Adjust/replace if required	Yes	
4. Clean/blow down centrifugal fan wheel, inlet, fan, and motor housing	Yes	
5. Grease fan shaft bearing pillow blocks	Yes	
6. Inspect fan inlet and outlet ductwork flex joints	Yes	SSDS 1 flex cloth SSDS 4 flex cloth
7. Inspect fan stack guy wires	Yes	Tighten SSDS 1 guy wires on the Roof
8. Inspect fan mounting and vibration isolators	Yes	

*Notify the DOE EHS of any fan unit/component failure. In the event that a fan component fails, the component will be replaced by DOE EHS. DOE EHS will make appropriate arrangements in advance with suppliers to provide SSDS replacement parts within 12 hours notice. In the event that a fan unit fails, the fan unit will be replaced by DOE EHS. A spare fan will be available on-site for immediate replacement in case of fan failure.

Inspector's Signature: Robert Rivera Jr

Routine and Preventative Maintenance Checklist

SSDS Fan

Inspector's Name: Robert Rivera Jr

Inspection Date/Time: 6-05-18 1:00pm

Purpose: (circle one) (Semiannual Inspection) Fan Malfunction (describe)

SSDS Fan Maintenance Checklist

Preform the steps below for every SSDS fan during a biannual inspection, or for any SSDS fan experiencing issues	Completed Y/N	List Any Issues or Unusual Behavior
1. Disconnect, lock out, and tag fan electrical power source	Yes	
2. Check all SSDS fan bearings	Yes	
3. Inspect SSDS fan drive belt for tightness and wear. Adjust/replace if required	Yes	
4. Clean/blow down centrifugal fan wheel, inlet, fan, and motor housing	Yes	
5. Grease fan shaft bearing pillow blocks	Yes	
6. Inspect fan inlet and outlet ductwork flex joints	Yes	SSDS 6 & SSDS 4 flex cloth need replacement
7. Inspect fan stack guy wires	Yes	
8. Inspect fan mounting and vibration isolators	Yes	

*Notify the DOE EHS of any fan unit/component failure. In the event that a fan component fails, the component will be replaced by DOE EHS. DOE EHS will make appropriate arrangements in advance with suppliers to provide SSDS replacement parts within 12 hours notice. In the event that a fan unit fails, the fan unit will be replaced by DOE EHS. A spare fan will be available on-site for immediate replacement in case of fan failure.

Inspector's Signature: Robert Rivera Jr

Attachment 4
Photographic Documentation

Photo 1: View of BMS, reportedly not operating correctly.

Photo 2: View of patched hairline cracks in Room C20.

Photo 3: View of patched hairline cracks in Room C86.

Photo 4: View of typical vacuum gauge associated with SSDS fan unit EF-4.

Photo 5: View of typical motor-fan assembly EF-4.

Photo 6: View of damaged flex joint cloth associated with SSDS fan unit EF-4.

Photo 7: View of damaged flex joint cloth associated with SSDS fan unit EF-6.

Photo 8: Loose belt observed on SSDS fan unit EF-6.

Photo 9: Damaged concrete around north manhole on concrete cap area below P.S. 151X.

Photo 10: Damaged concrete around column on concrete cap area below P.S. 151X.

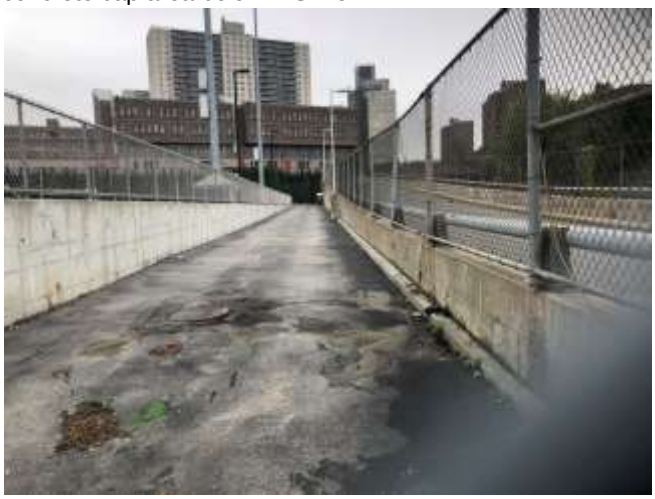


Photo 11: View of damage on the asphalt pavement at the fire lane exit gate.

Photo 12: View of artificial turf on football field.

Photo 13: Landscaped areas south of Tower D with mild soil erosion.

Photo 14: Area of damaged asphalt pavement south of Tower D reportedly due to a rerouted conduit line.

Photo 15: Area of damaged asphalt pavement south of Tower D reportedly due to a rerouted conduit line.

Photo 16: Shallow excavation southeast of Tower D to install a concrete pad for the proposed trash compactor.

Attachment 5
Annual Inspection Forms

Monthly/Severe Condition Inspection Form

Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451

Inspector's Name: Gilbert Gedeon
Inspection Date: 9-11-2018
Inspection Time: am
Comments: Met with Robert Rivero- Fireman

Weather Conditions: Cloudy
Air Temperature (°F): 77 F

A. SSDS SYSTEM INSPECTION

1. Walk the entire roof surface of school bulidings.

* Inspect fan stack guy wires. Good
* Inspect fan mounting and vibration isolators. Good
* Inspect condition of fan belt. All good, except EF-6, need belt replacement
* Inspect alignment of fan belt. All good, except EF-6, need belt replacement
* Record vacuum gauge reading: EF-1: - 4"WC, EF-2:- 4"WC, EF-3: - 4"WC, EF-4:- 5"WC, EF-5:- 4"WC, EF-6: N/A
* Inspect bolts and set screws for tightness and rusty condition. Good
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. Good
* Is the Building Management System monitoring SSDS fans and functioning properly? BMS is not working
* Confirm that spare fan is stored in designated secure location and in working condition. Located in B80
* Confirm that the spare fan's bearings are completely filled with grease/lubricant. Good
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Good
* Comments (see or hear anything unusual?): None

B. COVER SYSTEM - BOTTOM FLOOR INSPECTION

1. Walk all of the bottom floors

* Any visible cracks or depressions in the ground floors? All previously observed cracks have been sealed.
* Any other visible openings (unintended) in the ground floors? No
* Draw approximate location of floor cracks/openings on site map. N/A
* Note the length of the crack/opening. N/A
* Note the width of the crack/opening. N/A
* Comments: None

C. COVER SYSTEM - EXTERIOR INSPECTION (Including area under platform)

1. Walk and inspect the entire perimeter of the Site. YES

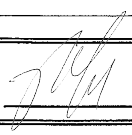
2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform. YES

3. Walk and inspect all of the unpaved areas of the Site including artificial turf field. YES

* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? See report
* Has any of the pavement material been removed? See report
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? See report
* Have any structures been constructed on the unpaved areas? No
* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? See report
* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? See report
* Comments:

D. REPAIRS

Summarize needed/completed repairs to Engineering Controls:
Refer to training acknowledgement for recommendations

Inspector's Signature: 

Attachment 6
Training Acknowledgement

ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

104 East 25th St, 10th Floor
New York, NY 10010-2917
www.cardnoatc.com
212-353-8280
Fax 212-353-8306

Annual Training Acknowledgement
Engineering Controls Operation and Maintenance

Location: X790

Custodian/Fireman: Robert Rivera

I, Robert Rivera Jr., received annual refresher training on Engineering Controls Operation and Maintenance by ATC Group Services, LLC (ATC) on 9/11/18. As part of the annual refresher training I conducted a walkthrough with ATC during which all elements covered by the Operation and Maintenance Plan were explained to me including the completion of the daily logs and monthly inspection form.

Signed by: [signature] **Date:** 9/11/18
Custodian/Fireman

Recommendations:

(1) Replace flex joint cloth on EF-4 / EF-6.
(2) Replace loose belt on EF-6, replace vac. gauge.
(3) Repair BMS / connect to all SSDS fans.
(4) Repair concrete cracking around manholes / col. H281 underneath Bldg 156 and by Emergency fire lane access gate.
(5). Shallow Excavation ~~along~~ east of ~~Tower~~ D and along access drive, ~~replace~~ due to re-routing elec. conduit, ~~replace soil and asphalt cap as per details in SMP.~~ Replace the excavated cover system in kind as per the SMP.
(6) Place 4"-6" of top soil eroded by vehicular traffic east of tower D.

* See back

Attachment 7
Corrective Measures Work Plan

ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

104 East 25th Street, 10th Fl.
New York, NY 10010
Telephone: 212-353-8280
Fax: 212-353-8306

October 19, 2018

Ms. Sondra Martinkat
New York State Department of Environmental Conservation
Environmental Engineer 2, Environmental Remediation
47-40 21Street
Long Island City, New York 11101-5407

Re: **Corrective Measures Work Plan**
Mott Haven Educational Campus (X790)
730 Concourse Village West
Bronx, New York, 10451
Project No. Z214YI1126

Dear Ms. Martinkat

On behalf of the New York City Department of Education (DOE), ATC Group Services, LLC (ATC) is providing this Corrective Measures Work Plan (CMWP) to restore the composite cover system engineering controls at the Mott Haven Campus located at 730 Concourse Village West, Bronx, New York (hereafter referred to as the "Site").

Background

ATC performed the annual site inspection on September 11, 2018, in accordance with the November 2008 Site Management Plan (SMP) at the request of the New York City DOE. While inspecting the cover systems at the site, ATC's inspector, Mr. Gilbert Gedeon, PE, observed the following:

- A shallow excavation south of Tower D was reportedly due to a rerouted conduit line from Tower D to a proposed trash compactor to be installed southeast of Tower D. The area of the shallow excavation was approximately 12" by 14' and reportedly 12" deep which impacted approximately 6" of asphaltic pavement and 6" of aggregate. The excavated area has been backfilled with the same material, however the work has not been completed to date. See Photo # 14 in Attachment # 4.

- The shallow excavation southeast of Tower D was reportedly to install a concrete pad for the proposed trash compactor. The area of the shallow excavation was approximately 30' x 15' and reportedly 12" deep which impacted approximately 6' of asphaltic pavement and 6" of aggregate. The excavated area has been backfilled with 12" of reinforced concrete, however the work has not been completed to date. See Photos # 15 and 16 in Attachment # 4.

- Cracking of concrete slab and, in some cases, lifting/separation of the concrete slab from the gravel below it was observed in three (3) areas under the platform that supports Public School (P.S.) 151 and former P.S. 156 as follows:
    - North Manhole – cracking and lifting of concrete, approximately 8' x 8' area
    - South Manhole – cracking and lifting of concrete, approximately 6' x 6' area
    - Near Column H281 – cracking of concrete, approximately 3' x 3' areas

  See Photos # 9 and 10 in Attachment # 4.

  The concrete cap cover system includes 8" of gravel and 4" of concrete. No work has been completed to restore the damaged areas of the concrete cap to date.

- Cracking and deterioration of asphalt pavement around the manhole was observed near the emergency fire lane exit gate. See Photo # in Attachment # 4.

- Slight soil erosion due to vehicular traffic was observed along the grass covered areas East of Tower D. See Photo # 11 in Attachment # 4.

Refer to the attached drawings for the composite cover system impact areas.

While the composite cover system was impacted by the aforementioned activities to a maximum depth of 12", the impacted areas have over six (6) feet of environmental clean fill. ATC concludes that the composite cover system is intact and provides a barrier from direct contact with underlying urban soils. Please refer to the Cross-Sectional Drawings A-H attached.

In addition to the shallow excavations, the following issues were identified during ATC's Site visit.

- The BMS is not connected to any of the fan units; and
- Flex joint cloth on fan units EF-4 and EF-6 were observed to be damaged;

These observations were reported in ATC's draft Annual Site Management Report (SMR).

The NYSDEC directed the ATC/DOE to develop a CMWP to restore the site cover system in compliance with the SMP.

Corrective Measures Work Plan

Shallow excavations and defects on the concrete and asphalt cover system:

The Contractor will not perform any work activities that could disturb the Site cover system until authorized by the NYSDEC and DOE. In order for the Contractor to proceed with intrusive work, they will be required to implement SMP-required controls such as a tire wash for trucks leaving the Site and road wetting for dust suppression. The water truck will be equipped with a

water cannon capable of spraying water directly onto stockpiles and into excavations for dust suppression. Soil stockpiled will be kept covered with appropriately anchored tarps when not in use. If the Contractor's work requires soil/waste disposal or importing environmentally clean fill, they will be required to follow the SMP protocols and provide submittals for DOE and ATC review and approval prior to proceeding. Finally, the Contractor will be required to restore the concrete cap cover system to its original specifications and to the satisfaction of the NYSDEC and DOE upon completion of all cover repairs.

Other Repairs:

Since the BMS is not monitoring the SSDS fans, the custodial staff has been instructed to conduct daily checks on all SSDS fan units. A supplemental form, *SSDS Fan Daily Checklist*, has been provided to the custodial staff to document the daily fan inspections until the BMS is restored. The *SSDS Fan Daily Checklist* is included in Attachment 8.

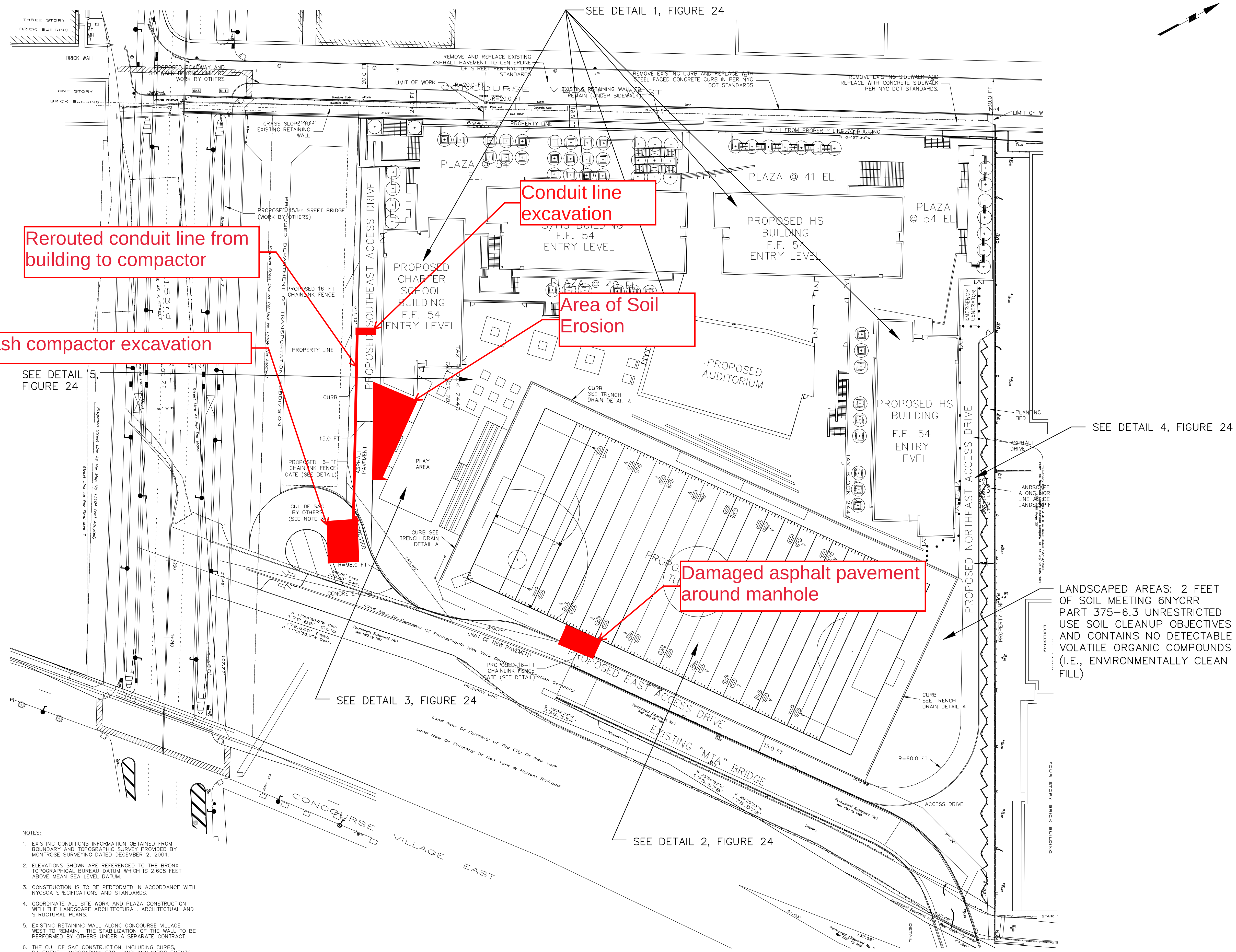
ATC will provide full time inspection services to verify SMP compliance. After the improvements are completed, all documentation is received, and the Site cover system is restored to its original specifications, ATC will issue a summary Corrective Measures Closure Report to DOE and NYSDEC. ATC's report will summarize the work activities and confirm compliance with the SMP.

It is our pleasure to provide our consultative services to the New York State Department of Environmental Conservation. If you have any questions about this letter, please call (212) 353-8280.

Gilbert Gedeon, P.E.
Principal Engineer
for ATC Group Services LLC
Direct Line +1 212 353 8280 ext. 239
Email: gilbert.gedeon@atcassociates.com

cc: Y. Efstathiou
N Guevara

Attachments: Site Drawings and Cross Section Site Maps



NOTES:

1. EXISTING CONDITIONS INFORMATION OBTAINED FROM BOUNDARY AND TOPOGRAPHIC SURVEY PROVIDED BY MONTROSE SURVEYING DATED DECEMBER 2, 2004.
2. ELEVATIONS SHOWN ARE REFERENCED TO THE BRONX TOPOGRAPHICAL BUREAU DATUM WHICH IS 2.608 FEET ABOVE MEAN SEA LEVEL DATUM.
3. CONSTRUCTION IS TO BE PERFORMED IN ACCORDANCE WITH NYCSCA SPECIFICATIONS AND STANDARDS.
4. COORDINATE ALL SITE WORK AND PLAZA CONSTRUCTION WITH THE LANDSCAPE ARCHITECTURAL, ARCHITECTUAL AND STRUCTURAL PLANS.
5. EXISTING RETAINING WALL ALONG CONCOURSE VILLAGE WEST TO REMAIN. THE STABILIZATION OF THE WALL TO BE PERFORMED BY OTHERS UNDER A SEPARATE CONTRACT.
6. THE CUL DE SAC CONSTRUCTION, INCLUDING CURBS, PAVEMENT, LANDSCAPING, ETC, AND ANY IMPROVEMENTS TO THE EXISTING MTA BRIDGE OR OTHER FEATURES TO BE PERFORMED BY OTHERS UNDER A SEPARATE CONTRACT.
7. REFERENCE DRAWING C410 FOR LARGE SCALE DRAWING OF FIELD AND RETAINING WALL.
8. REFERENCE LANDSCAPE ARCHITECTURAL PLANS FOR SITE FENCING INFORMATION.

REFERENCE:
BASEMAP FROM PERKINS EASTMAN, 115 FIFTH AVENUE, NEW YORK, NY 10003

O:\Shaw Offices – CAD Files\Harriman NY\114926\SMP – DEC 2007\Figure 25–SMP.dwg 01/16/08 – 1:33pm

NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY

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George D. Roussey, P.E., Director of Design Studio 3
Gary Deane, Director of Operations, Special Projects

OWNER: NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
30-30 THOMSON AVENUE
LONG ISLAND CITY, NY 11101-3045

ARCHITECT: PERKINS EASTMAN
115 FIFTH AVENUE
NEW YORK, NY 10003

CONSULTING ARCHITECT: ALEXANDER GORLIN ARCHITECT LLC
137 VARICK STREET
NEW YORK, NY 10013

STRUCTURAL ENGINEER: LESLIE E. ROBERTSON ASSOCIATES, RLLP
30 BROAD STREET
NEW YORK, NY 10004

MECHANICAL ENGINEER: FLACK + KURTZ ENGINEERS
475 FIFTH AVENUE
NEW YORK, NY 10017

CIVIL ENGINEER: LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES
21 PENN PLAZA
360 WEST 31ST STREET, 8TH FLOOR
NEW YORK, NY 10001

FOOD SERVICE CONSULTANT: ROMANO GATLAND
99 WEST HOFFMAN AVENUE
LINDENHURST, NY 11757

ACOUSTIC AND THEATER CONSULTANT: HARVEY MARSHALL BERLING ASSOCIATES, LLC.
173 WEST 81ST STREET
SUITE 2, LOWER LEVEL
NEW YORK, NY 10024

LANDSCAPE ARCHITECT: RGR LANDSCAPE
115 FIFTH AVENUE
NEW YORK, NY 10003

BID SET

NOTE: Drawing may be printed at reduced scale

NO.	REVISION	DATE
1	ISSUED FOR ADDENDUM No. 1	JULY 31, 2006

KEY PLAN:

SCA Design Manager:	Bohdan Huhlewych
Project Architect/Engineer:	Christine Schlendorf
Designer:	Ernesto Vela
Drawn by:	Christine Schlendorf
Checked by:	Perry Nuñez

LLW No.:	Facility Code:	Date:
033485	1215-05	1/16/08

Project:
MOTT HAVEN CAMPUS
-

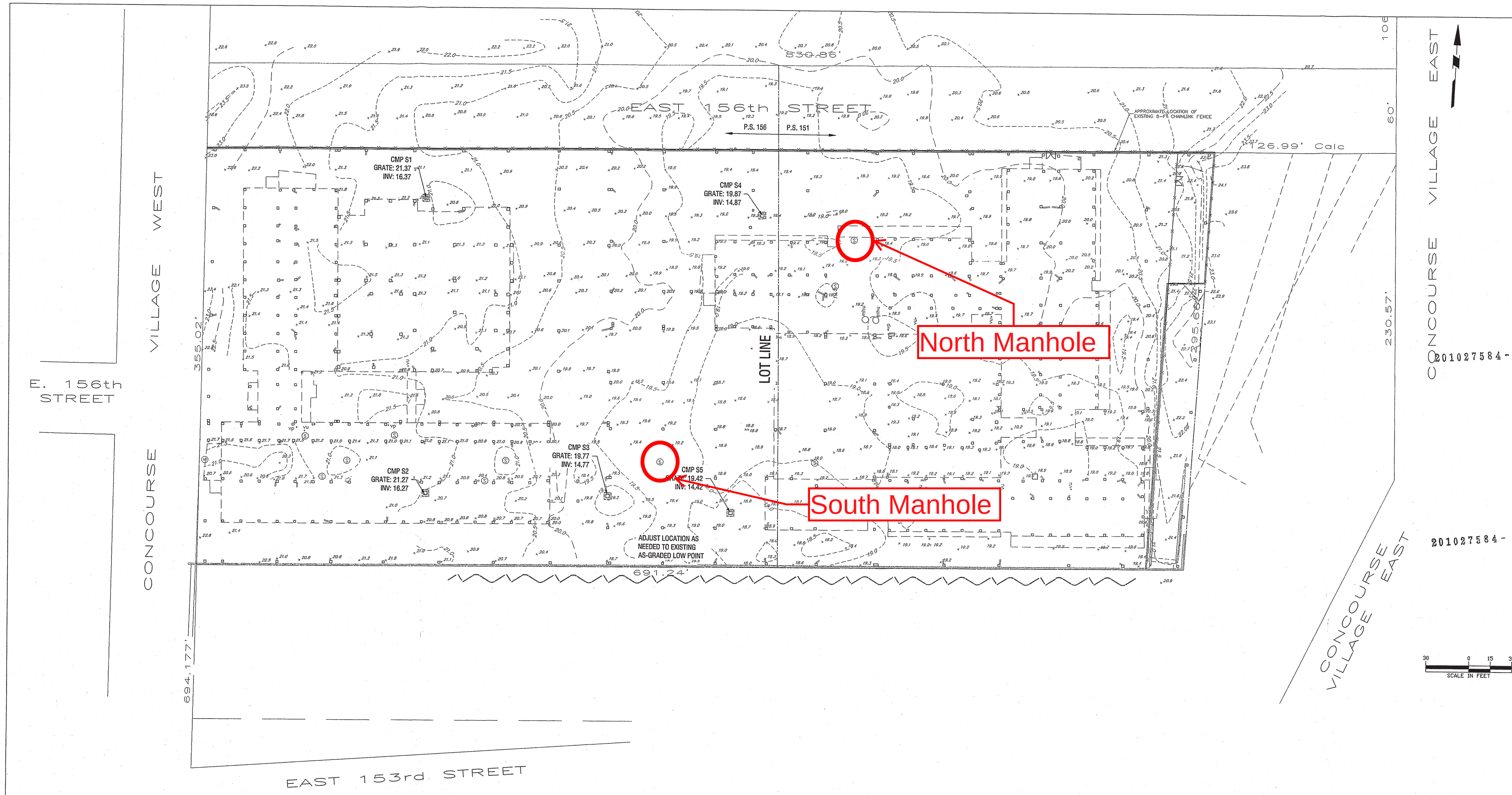
Address: 730 CONCOURSE VILLAGE WEST
BRONX, NEW YORK 10451

Drawing Title:
FIGURE 25
PRINCIPAL SITE COVERS

Drawing No.:
Figure 25 SMP

Sheets in Contract:
of 1072

PFA No. 21200.00



LEGEND

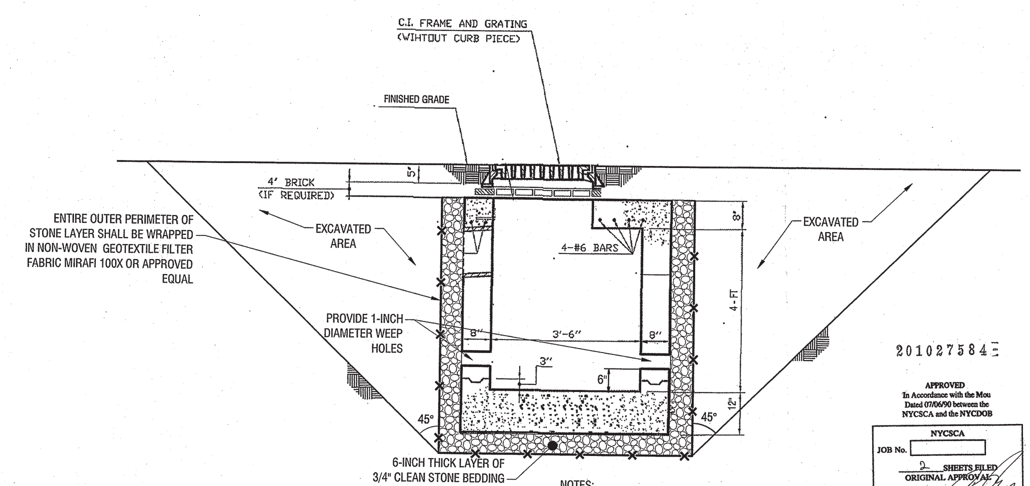
- EXISTING COLUMN
- EXISTING COLUMN WITH UTILITY
- EXISTING SANITARY MANHOLE
- mhu EXISTING MANHOLE
- vp EXISTING UTILITY
- vu EXISTING UTILITY
- PRECAST CONCRETE MONITORING POINT (CMP)

NOTE:

1. THE PROPOSED WORK FOR THIS PROJECT IS COMPLETELY COVERED. NO DIRECT STORMWATER RUNOFF REACHES THE PROPOSED PRECAST CONCRETE MONITORING POINTS.

2. TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, ALL WORK UNDER THIS APPLICATION IS EXEMPT FROM THE NYCECC BASED ON THE FACT THAT THE SCOPE OF WORK DOES NOT AFFECT THE ENERGY USE OF THE EXISTING BUILDING.

3. NO PLUMBING WORK HAS BEEN PERFORMED AS PART OF THIS FILING BASED ON THE NYC BUILDING CODE 27-124, 125 & 126. THERE ARE NO MINOR ALTERATIONS, BUILDING, ORDINARY REPAIRS, PLUMBING, WALLS, FLOORS, ROOF CONSTRUCTION, REMOVAL, CUTTING, OR MODIFICATION OF ANY BEAMS OR STRUCTURAL SUPPORTS; THERE ARE NO REMOVAL, CHANGE, OR CLOSING OF ANY REQUIRED MEANS OF EGRESS; THERE ARE NO REARRANGEMENT OR RELOCATION OF ANY PARTS OF THE BUILDING AFFECTING LOADING OR EXIT REQUIREMENTS, OR LIGHT, HEAT, VENTILATION, OR ELEVATOR REQUIREMENTS; THERE ARE NO MINOR ALTERATIONS OR ORDINARY REPAIRS INCLUDING ADDITIONS TO, ALTERATIONS OF, OR REARRANGEMENT, RELOCATION, REPLACEMENT, REPAIR OR REMOVAL OF ANY PORTION OF A STANDPIPE OR SPRINKLER SYSTEM, WATER DISTRIBUTION SYSTEM, HOUSE SEWER, PRIVATE SEWER, OR DRAINAGE SYSTEM, INCLUDING LEADERS, OR ANY SOIL, WASTE OR VENT PIPE, OR ANY GAS DISTRIBUTION SYSTEM, OR ANY OTHER WORK AFFECTING HEALTH OR THE FIRE OR STRUCTURAL SAFETY OF THE BUILDING. THERE IS NO REPAIR OR REPLACEMENT OF ANY FIXTURE, PIPING OR FAUCETS FROM THE INLET SIDE OF A TRAP TO ANY EXPOSED STOP VALVE.



NOTES:

1. NO SHEETING OR SHORING ALLOWED FOR THIS PROJECT. WHEN EXCAVATION EXCEEDS 5-FT THE SOIL IS TO BE SLOPED NO STEEPER THAN 45 DEGREES TO A LEVEL GROUND AREA AS PER 27-1032.

PRECAST CONCRETE MONITORING POINT (CMP)

N.T.S

201027584-

APPROVED
In Accordance with the Mou
Dated 07/06/90 between the
NYCSCA and the NYCDOB

NYCSCA
JOB No.
2 SHEETS FILED
ORIGINAL APPROVAL
Examiner's Signature
ROBERT RAS, R.A.
Printed Name NYCSCA-BCC/Plan Examiner
Date FEB 15 2012

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NYC School Construction Authority SCA

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Stanley Dahir, R.A., Director of Design Studio 2
María A. Gómez, P.E., Director of Design Studio 3
George D. Roussey, P.E., Director of Technical Standards & Suppport Studio
Stacey Spann-Thom, Director of Operations Support

Consultants:

OWNER: NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
30-30 THOMSON AVENUE
LONG ISLAND CITY, NY 11101-3045

ARCHITECT: PERKINS EASTMAN
115 FIFTH AVENUE
NEW YORK, NY 10003

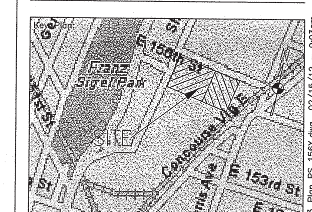
CIVIL ENGINEER: LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES
21 PENN PLAZA
360 WEST 31ST STREET, 8TH FLOOR
NEW YORK, NY 10001

201027584-

NOTE: Drawing may be printed at reduced scale

201027584-

No.	Date	Revision



Block # 2443 Lot # 79

SCA Program Design Manager:	D. BOSS
Project Architect/Engineer:	D. LEAD
Discipline Lead:	DJ HODSON
Designer:	SR
Drawn by:	KM
Checked by:	SR

LLW No.:	Facility Code:	Date:
054376	0790X	02/10/2012

Project:
P.S. 156X, BRONX

Address:
250 EAST 156TH STREET
BRONX, NEW YORK 10451

Drawing Title:
SITE PLAN

STATE OF NEW YORK ALAN POEPPEL 080220 LICENSED PROFESSIONAL ENGINEER

Drawing No.: 2

Sheets in Contract: 2 of 2

\\langan.com\data\NY\data5\5633501\Cadd Data - 5633501\Dwg\IS-152 PS 156\Sheets - PS 156X\5633503_Plan PS 156X.dwg 02/15/12 - 9:03am

PEA No. 21200.00

Figure 30

OFFICE ALBANY, NY

DRAWING NUMBER 114926B58-SMP

VERIFY SCALE 0 1"

EAST 156th STREET

E. 156th STREET

CONCOURSE VILLAGE WEST

CONCOURSE VILLAGE EAST

PS 156

IS 151

MW-18 MW-19 MW-9 MW-15 (SB-48) MW-7 (SB-44) MW-8 MW-12 (SB-45) MW-20 MW-21 MW-10 MW-16 (PSB-20) MW-17 (PSB-19) MW-14 (SB-47) MW-13 (SB-46) MW-6 MW-5 MW-4 MW-3 MW-2 MW-1 MW-11

PSB-1 PSB-2 PSB-3 PSB-4 PSB-5 PSB-6 PSB-7 PSB-8 PSB-9 PSB-10 PSB-11 PSB-12 PSB-13 PSB-14 PSB-16 PSB-17 PSB-18

PBSB-1 PBSB-2 PBSB-3 PBSB-4 PBSB-5

SB-20 SB-21 SB-22 SB-23 SB-24 SB-25 SB-25A SB-26 SB-27 SB-28 SB-29 SB-30 SB-33 SB-34 SB-35 SB-36 SB-37 SB-41 SB-42 SB-43 SB-49

B-11 B-12 B-13 B-14 B-15 B-17 B-19 B-20 B-21 B-23 B-25 B-27 B-28 B-30 B-31 B-33 B-36 B-37 B-43 B-45 B-47 B-50 B-52 B-54 B-56 B-59 B-62 B-65 B-67 B-70 B-71 B-75 B-76 B-78 B-91 B-92 B-93 B-94 B-95

TP-11 TP-12 TP-13 TP-14 TP-15 TP-16 TP-19 TP-20 TP-21

BALLAST 1 BALLAST 2

NWSB

A A' B B' C C' D D' E E' F F' G G' H H'

Land Now Or Formerly Of The City Of New York Land Now Or Formerly Of New York & Harlem Railroad

New York Central Transportation Company Pennsylvania

N

LEGEND

- GEOTECHNICAL SOIL BORINGS
- MONITORING WELL
- SOIL BORING
- TEST PIT/BALLAST PILE
- GEOTECHNICAL BORINGS (BY LANGAN ENGINEERING)
- BEDROCK SOIL BORING
- EXTENT OF BCP AREA
- EXTENT OF MOTT HAVEN SCHOOL CAMPUS
- FOOTPRINT OF SCHOOL BUILDINGS

SCALE 0 100 200 FEET

REV	DESCRIPTION / ISSUE	DATE	APPROVED

Shaw Shaw Environmental, Inc.

DESIGNED BY: HF/SG	SCHOOL CONSTRUCTION AUTHORITY			
DRAWN BY: R.T./SSH	CROSS SECTION LOCATIONS			
CHECKED BY: D. STOLL	FORMER METRO NORTH PROPERTY 672 CONCOURSE VILLAGE WEST, BRONX, NY			
APPROVED BY: D. STOLL	DATE: 7/30/07	SCALE: AS SHOWN	DRAWING NO. 114926B58-SMP	FIGURE 4

REFERENCE:
BASEMAP PROVIDED BY NYCSCA. SG AND MW LOCATIONS
LOCATIONS SURVEYED BY GEOD IN MARCH AND MAY 2005.
SB, TP, AND BALLAST LOCATIONS SURVEYED/MEASURED
BY SHAW IN MAY 2005.

O:\Shaw Offices - CAD Files\Harriman NY\114926\114926B58-SMP.dwg Xref: .
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Plotted by: william.snyder

8 7 6 5 4 3 2 1

OFFICE ALBANY, NY

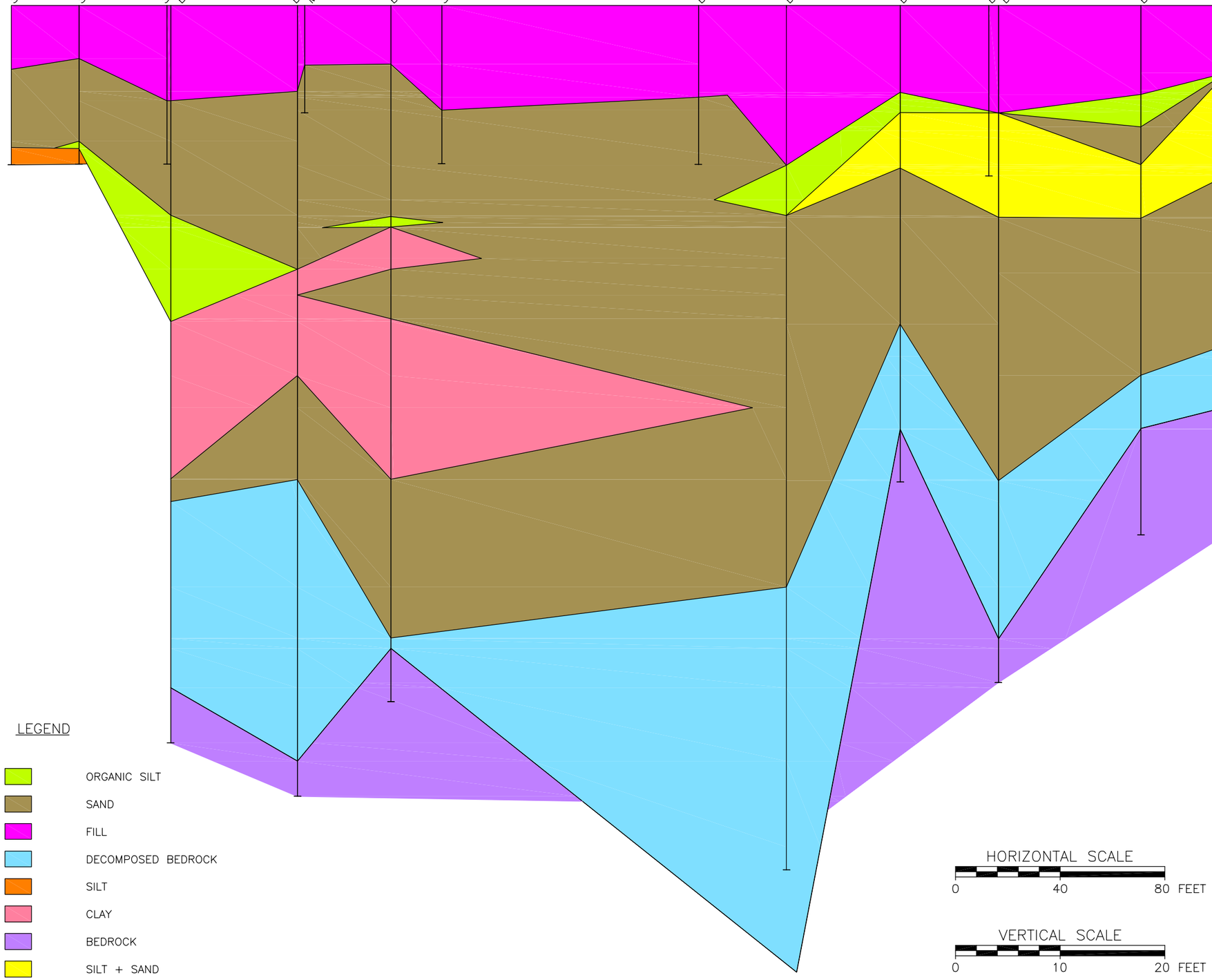
DRAWING NUMBER 114926B20-SMP

A

A'

SB-48/MW-15 SB-47/MW-14 SB-44/MW-7 B-11 B-20 MWSB B-28 SB-45/MW-12 B-22 B-47 B-54 B-25 B-59 B-65 B-25A MW-1 B-75 SB-29

0 10 20 30 40 50 60 70 80



LEGEND

- ORGANIC SILT
- SAND
- FILL
- DECOMPOSED BEDROCK
- SILT
- CLAY
- BEDROCK
- SILT + SAND

HORIZONTAL SCALE
0 40 80 FEET

VERTICAL SCALE
0 10 20 FEET

VERIFY SCALE 0 1"

REV	DESCRIPTION / ISSUE	DATE	APPROVED

Shaw Environmental, Inc.

DESIGNED BY: H. FARIELLO	SCHOOL CONSTRUCTION AUTHORITY			
DRAWN BY: R.T./SSH	A-A' CROSS SECTION MAP			
CHECKED BY: D. STOLL	FORMER METRO NORTH PROPERTY 672 CONCOURSE VILLAGE WEST, BRONX, NY			
APPROVED BY: D. STOLL	DATE: 7/30/07	SCALE: AS SHOWN	DRAWING NO. 114926B20-SMP	FIGURE 5

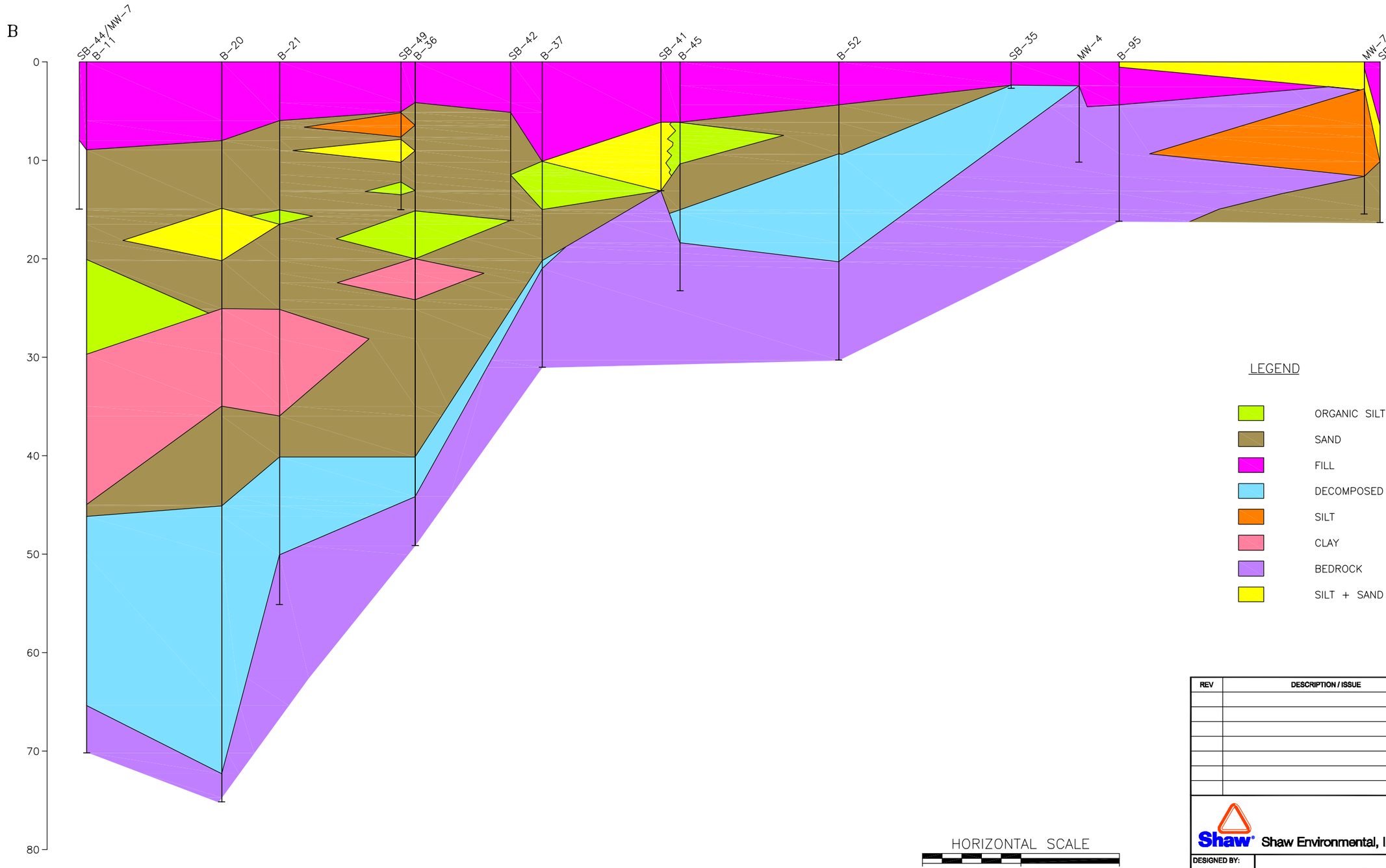
\\sehartfs01\Common\PROJ\NYC-SCA\Mott Haven\114926\114926B20-SMP.dwg
Plot Date/Time: 07/30/07 07:23am
Plotted by: william.snyder
Image: .

OFFICE ALBANY, NY

DRAWING NUMBER 114926B17-SMP

B

B'



LEGEND

- ORGANIC SILT
- SAND
- FILL
- DECOMPOSED BEDROCK
- SILT
- CLAY
- BEDROCK
- SILT + SAND

HORIZONTAL SCALE

0 40 80 FEET

VERTICAL SCALE

0 10 20 FEET

REV	DESCRIPTION / ISSUE	DATE	APPROVED

Shaw Environmental, Inc.

DESIGNED BY: H. FARIELLO	SCHOOL CONSTRUCTION AUTHORITY			
DRAWN BY: R.T./SSH	B-B' CROSS SECTION MAP			
CHECKED BY: D. STOLL	FORMER METRO NORTH PROPERTY 672 CONCOURSE VILLAGE WEST, BRONX, NY			
APPROVED BY: D. STOLL	DATE: 7/30/07	SCALE: AS SHOWN	DRAWING NO. 114926B17-SMP	FIGURE 6

VERIFY SCALE 0 1"

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Plot Date/Time: 07/30/07 07:29am
Plotted by: william.snyder
Image: .

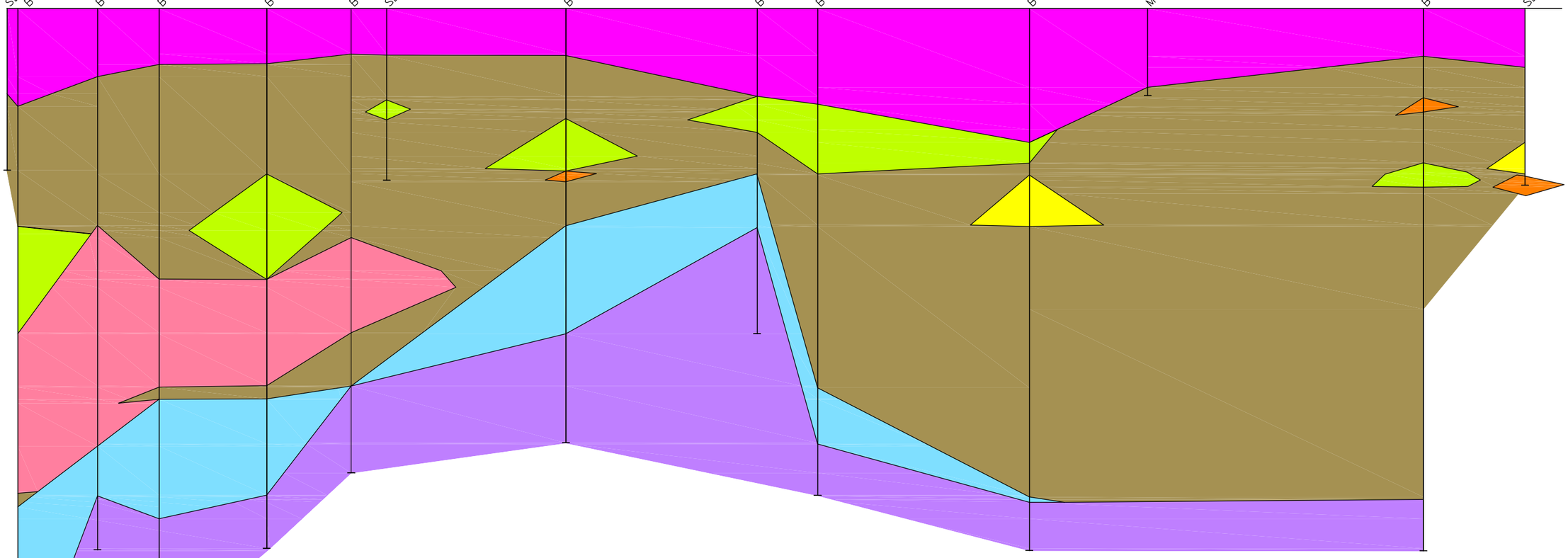
8 7 6 5 4 3 2 1

C

C'

SB-44 B-11 B-12 B-13 B-14 B-15 SB-20 B-17 B-19 B-27 B-91 MW-6 B-92 SB-21

0 10 20 30 40 50 60 70 80



LEGEND

- ORGANIC SILT
- SAND
- FILL
- DECOMPOSED BEDROCK
- SILT
- CLAY
- BEDROCK
- SILT + SAND

HORIZONTAL SCALE

0 40 80 FEET

VERTICAL SCALE

0 10 20 FEET

VERIFY SCALE 0 1"

OFFICE ALBANY, NY

DRAWING NUMBER 114926B18-SMP

REV	DESCRIPTION / ISSUE	DATE	APPROVED

Shaw Environmental, Inc.

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DRAWN BY: R.T./SSH	C-C' CROSS SECTION MAP			
CHECKED BY: D. STOLL	FORMER METRO NORTH PROPERTY 672 CONCOURSE VILLAGE WEST, BRONX, NY			
APPROVED BY: D. STOLL	DATE: 7/30/07	SCALE: AS SHOWN	DRAWING NO. 114926B18-SMP	FIGURE 7

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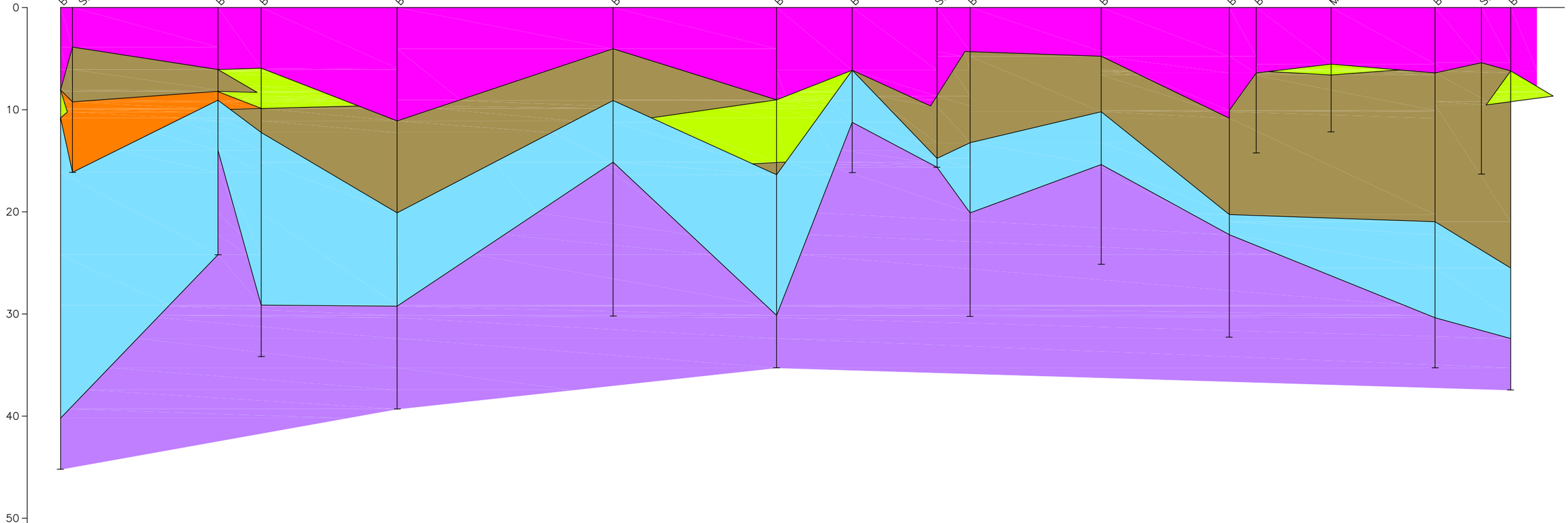
Plotted by: william.snyder
Image: .

OFFICE ALBANY, NY

DRAWING NUMBER 114926B19-SMP

D

D'



LEGEND

- ORGANIC SILT
- SAND
- FILL
- DECOMPOSED BEDROCK
- SILT
- CLAY
- BEDROCK
- SILT + SAND

HORIZONTAL SCALE

0 40 80 FEET

VERTICAL SCALE

0 10 20 FEET

VERIFY SCALE 0 1"

REV	DESCRIPTION / ISSUE	DATE	APPROVED

Shaw Environmental, Inc.

DESIGNED BY: H. FARIELLO	SCHOOL CONSTRUCTION AUTHORITY			
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CHECKED BY: D. STOLL	FORMER METRO NORTH PROPERTY 672 CONCOURSE VILLAGE WEST, BRONX, NY			
APPROVED BY: D. STOLL	DATE: 7/30/07	SCALE: AS SHOWN	DRAWING NO. 114926B19-SMP	FIGURE 8

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Plot Date/Time: 07/30/07 07:55am
Plotted by: william.snyder
Image: .

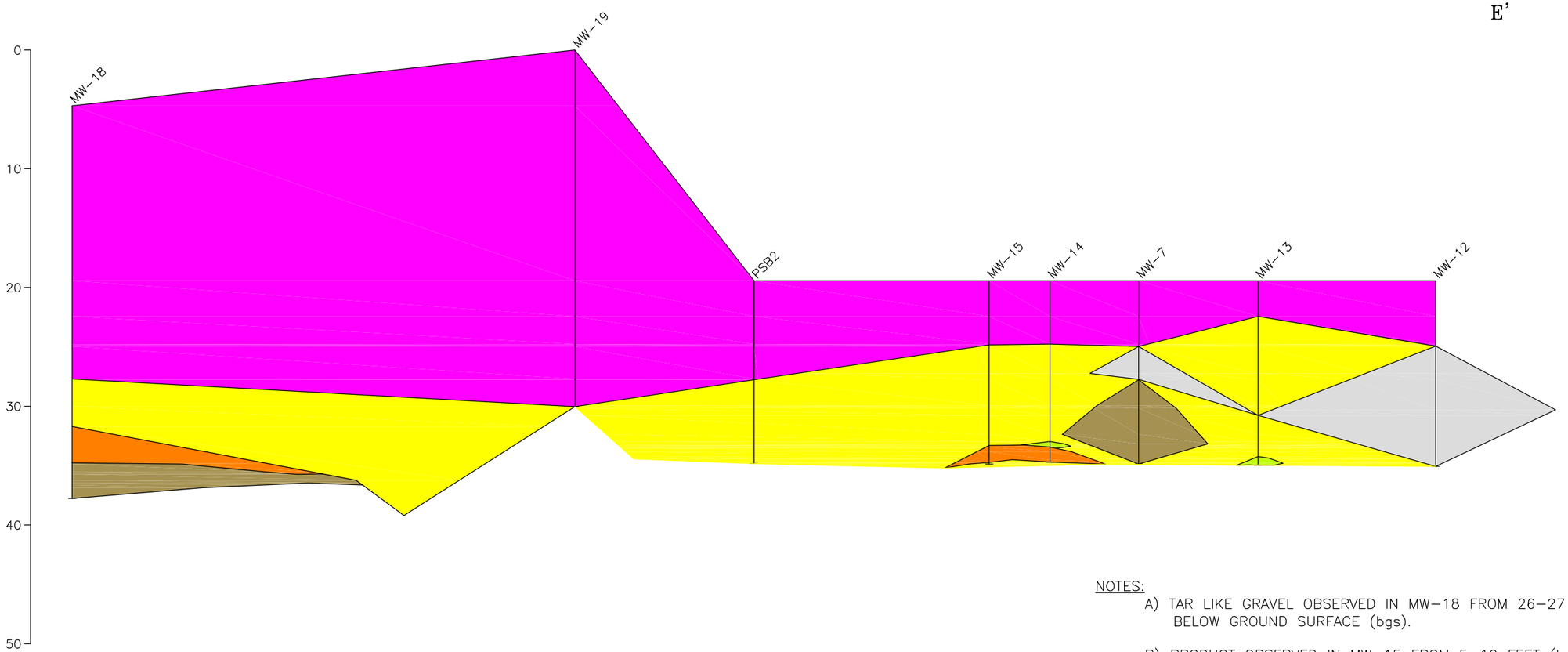
OFFICE ALBANY, NY

DRAWING NUMBER 114926B37-SMP

VERIFY SCALE 0 1"

E

E'



NOTES:

A) TAR LIKE GRAVEL OBSERVED IN MW-18 FROM 26-27 FEET BELOW GROUND SURFACE (bgs).

B) PRODUCT OBSERVED IN MW-15 FROM 5-10 FEET (bgs).

LEGEND

- ORGANIC SILT
- SAND
- FILL
- GRAVEL, SILT + SAND
- SILT
- SILT + SAND

HORIZONTAL SCALE

0 40 80 FEET

VERTICAL SCALE

0 10 20 FEET

REV	DESCRIPTION / ISSUE	DATE	APPROVED

Shaw Environmental, Inc.

DESIGNED BY: H. FARIELLO	SCHOOL CONSTRUCTION AUTHORITY			
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CHECKED BY: D. STOLL	FORMER METRO NORTH PROPERTY 672 CONCOURSE VILLAGE WEST, BRONX, NY			
APPROVED BY: D. STOLL	DATE: 7/30/07	SCALE: AS SHOWN	DRAWING NO. 114926B37-SMP	FIGURE 9

\\seiharfs01\Common\PROJ\NYC-SCA\Mott Haven\114926\114926B37-SMP.dwg
Plot Date/Time: 07/30/07 08:02am
Plotted by: william.snyder
Image: .

8 7 6 5 4 3 2 1

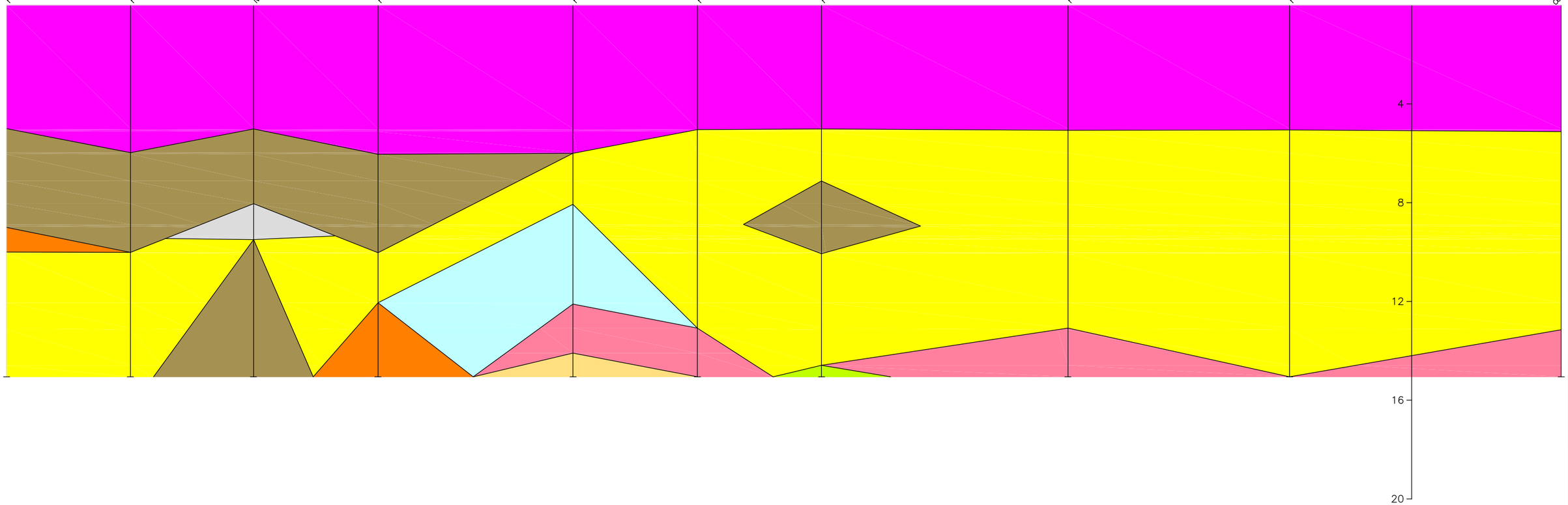
OFFICE ALBANY, NY

DRAWING NUMBER 114926B59-SMP

F

F'

PSB-3 PSB-4 MW-16 PSB-6 PBSB-4 PSB-9 PSB-11 PSB-13 PSB-16 PSB-18



VERIFY SCALE 0 1"

LEGEND

- ORGANIC SILT
- SAND
- FILL
- SILT
- SILT + SAND
- CLAY
- SAND + GRAVEL
- CLAY + SILT
- SAND + SILT + CLAY

HORIZONTAL SCALE
0 40 80 FEET

VERTICAL SCALE
0 4 8 FEET

REV	DESCRIPTION / ISSUE	DATE	APPROVED

Shaw Environmental, Inc.

DESIGNED BY: JN/SG	SCHOOL CONSTRUCTION AUTHORITY
DRAWN BY: S. SHKOLNIK	F-F' CROSS SECTION MAP
CHECKED BY: D. STOLL	FORMER METRO NORTH PROPERTY 672 CONCOURSE VILLAGE WEST, BRONX, NY

APPROVED BY:	DATE:	SCALE:	DRAWING NO.	FIGURE
D. STOLL	7/30/07	AS SHOWN	114926B59-SMP	10

\\sehartsd1\Common\PROJ\NYC-SCA\Mott Haven\114926\SIR & RIR\114926B59-SMP.dwg
Plot Date/Time: 07/30/07 08:08am
Plotted by: william.snyder
Image: .

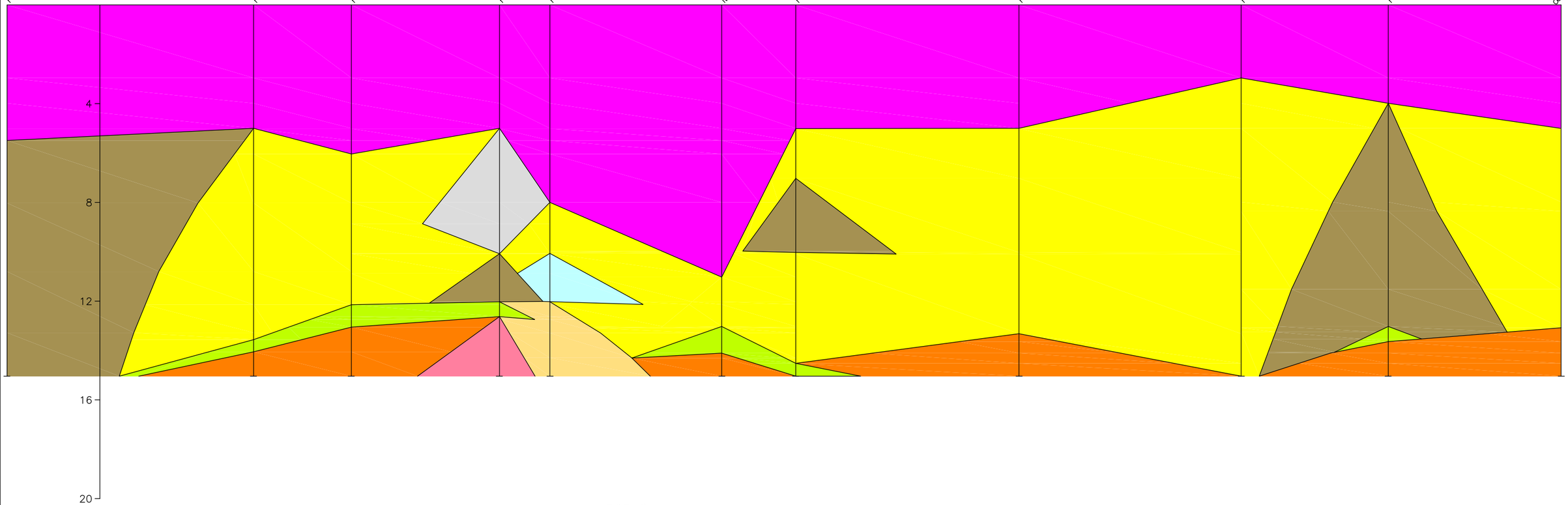
8 7 6 5 4 3 2 1

OFFICE ALBANY, NY

DRAWING NUMBER 114926B60-SMP

G

G'



VERIFY SCALE 0 1"

LEGEND

- ORGANIC SILT
- SAND
- FILL
- SILT
- SILT + SAND
- CLAY
- GRAVEL
- CLAY + SILT
- SAND + SILT + CLAY

APPROXIMATE HORIZONTAL SCALE

0 40 80 FEET

VERTICAL SCALE

0 4 8 FEET

REV	DESCRIPTION / ISSUE	DATE	APPROVED

Shaw Environmental, Inc.

DESIGNED BY: JN/SG	SCHOOL CONSTRUCTION AUTHORITY			
DRAWN BY: S. SHKOLNIK	G-G' CROSS SECTION MAP			
CHECKED BY: D. STOLL	FORMER METRO NORTH PROPERTY 672 CONCOURSE VILLAGE WEST, BRONX, NY			
APPROVED BY: D. STOLL	DATE: 7/30/07	SCALE: AS SHOWN	DRAWING NO. 114926B60-SMP	FIGURE 11

\\sahafs01\Common\PROJ\NYC-SCA\Mott Haven\114926\SIR & RIR\114926B60-SMP.dwg
Plot Date/Time: 07/30/07 08:15am
Plotted by: william.snyder
Image: .

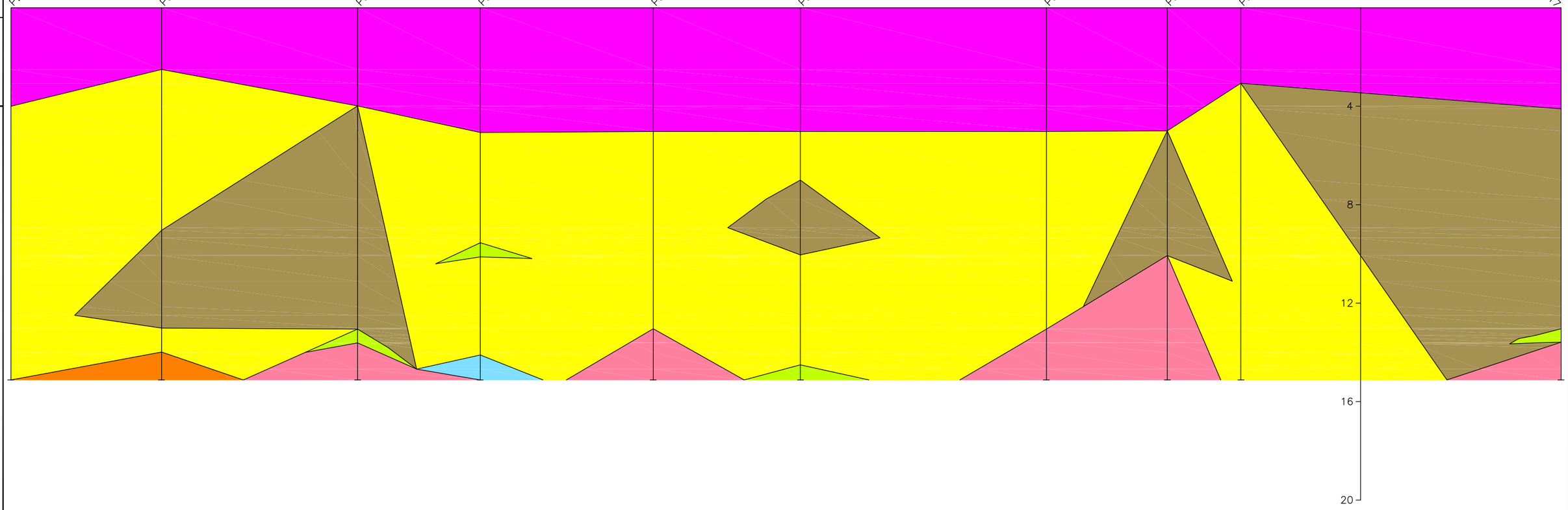
8 7 6 5 4 3 2 1

OFFICE ALBANY, NY

DRAWING NUMBER 114926B61-SMP

H

H'



VERIFY SCALE 0 1"

LEGEND

- ORGANIC SILT
- SAND
- FILL
- SILT
- SILT + SAND
- CLAY
- DECOMPOSED BEDROCK

HORIZONTAL SCALE
0 40 80 FEET

VERTICAL SCALE
0 4 8 FEET

REV	DESCRIPTION / ISSUE	DATE	APPROVED

Shaw Shaw Environmental, Inc.

DESIGNED BY: J. NAFUS	SCHOOL CONSTRUCTION AUTHORITY			
DRAWN BY: S. SHKOLNIK	H-H' CROSS SECTION MAP			
CHECKED BY: D. STOLL	FORMER METRO NORTH PROPERTY 672 CONCOURSE VILLAGE WEST, BRONX, NY			
APPROVED BY: D. STOLL	DATE: 7/30/07	SCALE: AS SHOWN	DRAWING NO. 114926B61-SMP	FIGURE 12

\\seiharfs01\Common\PROJ\NYC-SCA\Mott Haven\114926\SIR & RIR\114926B61-SMP.dwg
Plot Date/Time: 07/30/07 08:23am
Plotted by: william.snyder
Image: .

Attachment 8
Project Correspondence and Additional Information

Facility: DSF DIVISION OF SCHOOL FACILITIES
Unit : X Project :
W/O Type: CO Priority: 71 W/O Dspln: H
Planner : AHE HE
W/O Title : 75/07X790/PERFORM SSDS TRAINING
W/O Task Title: 75/07X790/PERFORM SSDS TRAINING
Written To : MOTT HAVEN CAMPUS - BRONX
Task Dspln : Completed By:

Work Order Package

00714584 01

Rpt : TIPMC11
Date: 09/25/2018

NEW YORK CITY DEPT. OF EDUCATION

Work Order Task Written To

Facility : DSF Unit : X Op Sys : GEO-07
Division : Area : ISC1 Sys/Cls: X790
Equipment : ABLDG X790 Component:
Work Item : Eqt. List: Ops Review Reqd: N
Equip. Tag: Alt:
UTC : Tbl/Brkdwn: (Past 12 mo)
Catalog ID: Job Type : CO UCR: GN19
Client/Act:
Location : X02 44300200 000001 730 CONCOURSE VILLAGE ., WEST, BRONX, NY 1045
Cost Centr: G839 Activity : User Def:
Percentage: 100.000 Acct No. : GL

Work Order Task Instructions

PERFORM SSDS TRAINING

Contract and Outside Services

Contract	Rel	Vendor	Title
00010821	01257	460399408	75/07X790/PERFORM SSDS TRAINING

Completion Comments on Work Performed

Completion Comments Required : N

Comments:

Comments:

Nancy Guevara

From: X790 Custodian <CX790@schools.nyc.gov>
Sent: Wednesday, September 12, 2018 3:15 PM
To: Debra Schiavo
Cc: Narayan Ramesh; Nancy Guevara; Gil Gedeon
Subject: X790 BMS DATA CONNECTION

Good Afternoon,

Hello Debbie i am reaching out to you in regards to the data connection for the BMS at x790. Mott Haven Campus is monitor by ATC and the D.E.C (Department of Environmental Control). ATC completed there annual training acknowledgement engineering controls operation and maintenance at x790. ATC left a list of recommendation for repairs to be completed within 30 days. One of the recommendations is to have the BMS repair to connect with the SSDS fans at x790. There are a total of six ssds fans at x790. The BMS shows the fan status for all six ssds fans. It is critical the fans run 24 hours a day and be monitor to ensure fan status is running. Please provide a update for the repairs needed to restore data communication for the BMS at x790.

Thank you

Brian Devane
Custodian Engineer
x790 Mott Haven Campus
718-292-2036 ext 5803
730 Concourse VLG W.
Bronx, N.Y, 10451

Nancy Guevara

From: X790 Custodian <CX790@schools.nyc.gov>
Sent: Monday, October 01, 2018 6:11 AM
To: Nancy Guevara; Narayan Ramesh; Orlan Bernard; Mcguinness Joshua
Cc: Gil Gedeon; Hemida Mohamed
Subject: Re: X790 -Mott Haven Campus
Attachments: scan0026.pdf

Hi Nancy ,

Attached is the updates , I will follow up with the work orders that still need to be completed

---

From: Nancy Guevara <nancy.guevara@atcgs.com>
Sent: Friday, September 28, 2018 4:05:36 PM
To: X790 Custodian; Narayan Ramesh; Orlan Bernard
Cc: Gil Gedeon; Hemida Mohamed
Subject: RE: X790 -Mott Haven Campus

Good afternoon,

Following up on the below mentioned repair items recommended during the annual SSDS inspection.

Please provide updates on repairs as the SSDS Periodic Review Report is due to the DEC on Monday and we would like to include documentation of repairs in the report.

Thank you,
Nancy Guevara | Project Manager | **ATC Group Services LLC**
+1 212 284 0611 | +1 516 455 6157 mobile

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+1 212 35 3 8306 fax | nancy.guevara@atcgs.com | www.atcgroupservices.com
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From: Nancy Guevara
Sent: Friday, September 14, 2018 4:17 PM
To: 'X790 Custodian' <CX790@schools.nyc.gov>; 'RNarayan@schools.nyc.gov' <RNarayan@schools.nyc.gov>
Cc: Gil Gedeon <gilbert.gedeon@atcgs.com>; 'Orlan Bernard' <BOrlan@schools.nyc.gov>; 'Hemida Mohamed' <MHemida@schools.nyc.gov>
Subject: X790 -Mott Haven Campus

Brian,

ATC inspected the subject school on Tuesday September 11, 2018. The following issues were identified during the walkthrough:

1. Flex joint cloth on fan units EF-4 and EF-6 were observed to be damaged.
2. The belt on EF-6 was observed to be loose and the vacuum gauge was not operational.
3. The BMS is not connected to any of the fan units.
4. Cracking and lifting of the concrete cover system below Building 156 was observed in 3 areas (around two manholes) and near column H281.
5. Cracking and deterioration of asphalt pavement around the manhole was observed near the emergency fire lane exit gate.
6. Slight soil erosion due to vehicular traffic was observed along the grass covered areas East of Tower D.
7. Shallow excavation of the asphalt pavement south and southeast of Tower D was observed.

ATC recommends repair and replacement of the above mentioned items as follows:

1. Repair and replace flex joint cloths on fan units EF-4 and EF-6.
2. Repair and replace the belt and gauge on EF-6.
3. Repair BMS and connect to Fans.
4. Repair damaged concrete cover system around manholes and Column H281 below building 156 per the Site Management Plan (SMP).
5. Repair damaged Asphalt cover system per the SMP.
6. Place 4-6" of top soil on eroded areas per the SMP requirements.
7. Repair excavated areas of the asphalt pavement south and southeast of Tower D per SMP requirements.

For items 4 through 7, which involves the replacement of soil, concrete or asphalt cover system, please ensure that the repairs follow the SMP specifications and soil requirements, are completed within 30 days from the date of this email, and provide records of where the soil, asphalt and any fill material used to repair excavated areas as the DEC requires records of such.

Please confirm your understanding of the aforementioned requirements and advise ATC of the schedule of repairs so that an ATC representative will be onsite to verify ALL repairs via photographic and written documentation.

Thanks in advance for your prompt attention to this matter. Please contact me if you or the contractors have any questions.

Regards,

Nancy Guevara | Project Manager | **ATC Group Services LLC**
+1 212 284 0611 | +1 516 455 6157 mobile

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X790 -Mott Haven Campus

Nancy Guevara <nancy.guevara@atcgs.com>

Fri 9/14/2018 4:17 PM

To: X790 Custodian <CX790@schools.nyc.gov>; Narayan Ramesh <RNarayan@schools.nyc.gov>;

Cc: Gil Gedeon <gilbert.gedeon@atcgs.com>; Orlan Bernard <BOrlan@schools.nyc.gov>; Hemida Mohamed <MHemida@schools.nyc.gov>;

Brian,

ATC inspected the subject school on Tuesday September 11, 2018. The following issues were identified during the walkthrough:

1. Flex joint cloth on fan units EF-4 and EF-6 were observed to be damaged.
2. The belt on EF-6 was observed to be loose and the vacuum gauge was not operational.
3. The BMS is not connected to any of the fan units.
4. Cracking and lifting of the concrete cover system below Building 156 was observed in 3 areas (around two manholes) and near column H281.
5. Cracking and deterioration of asphalt pavement around the manhole was observed near the emergency fire lane exit gate.
6. Slight soil erosion due to vehicular traffic was observed along the grass covered areas East of Tower D.
7. Shallow excavation of the asphalt pavement south and southeast of Tower D was observed.

ATC recommends repair and replacement of the above mentioned items as follows:

1. Repair and replace flex joint cloths on fan units EF-4 and EF-6. - DSF w/o #00678445
2. Repair and replace the belt and gauge on EF-6. - Belt Tighen / Gauge on order
3. Repair BMS and connect to Fans. - D.S.F Narayan Ramesh
4. Repair damaged concrete cover system around manholes and Column H281 below building 156 per the Site Management Plan (SMP). D.S.F w/R #00599184
5. Repair damaged Asphalt cover system per the SMP. D.S.F w/o # 00712725
6. Place 4-6" of top soil on eroded areas per the SMP requirements. - Top soil on order
7. Repair excavated areas of the asphalt pavement south and southeast of Tower D per SMP requirements. - Contractor in progress

For items 4 through 7, which involves the replacement of soil, concrete or asphalt cover system, please ensure that the repairs follow the SMP specifications and soil requirements, are completed within 30 days from the date of this email, and provide records of where the soil, asphalt and any fill material used to repair excavated areas as the DEC requires records of such.

Please confirm your understanding of the aforementioned requirements and advise ATC of the schedule of repairs so that an ATC representative will be onsite to verify ALL repairs via photographic and written documentation.

Thanks in advance for your prompt attention to this matter. Please contact me if you or the contractors have any questions.

Regards,

Nancy Guevara | Project Manager | **ATC Group Services LLC**
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