HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT – CONTRACT 3

DESIGN-BUILD PROJECT

PIN X731.65, Contract D900055

Request for Proposals

Addendum #5

June 17, 2022

Modification to the Request for Proposals

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT – CONTRACT 3

Design-Build Project

PIN X731.65, Contract D900055

Note to Proposers

Differences between the deleted pages and the revised pages have been identified as follows:

- Brackets have been inserted on the left-hand margin of the pages to indicate where changes have been made to the documents; and
- Text additions have been shown in underlined red font and text deletions have been shown in crossed out red font.

General Instructions

Delete pages A-3, A-4 and A-6 of the Instructions to Proposers, Appendix A, and substitute the attached revised pages A-3, A-4 and A-6.

Delete page C-9 of the Instructions to Proposers, Appendix C, and substitute the attached revised page C-9.

Add the attached Form R-1 and Form R-2 to the Instructions to Proposers, Appendix E, Forms.

Delete page i of the DB Contract Documents, Part 7, Engineering Data, and substitute the attached page i.

Add the attached pages xiii and xiv to the DB Contract Documents, Part 7, Engineering Data.

Add Technical Memorandum / Asbestos Assessment Report (June 2020) to the DB Contract Documents, Part 7, Engineering Data.

Add PS 75 Property Access and Coordination plans and agreement to the DB Contract Documents, Part 7, Engineering Data.

No other provision of the solicitation is otherwise changed or modified.

A3.0 PROJECT LABOR AGREEMENT

The Department has undertaken a due diligence study to determine whether there will be a public benefit to implementation of a Project Labor Agreement (PLA) for the Project and has concluded that a PLA is warranted. The agreement to be entered into between the Design-Builder and appropriate trade unions will be prepared and provided to the Proposers in the Final RFP or by Addendum. Any provision in the RFP inconsistent with the provisions of an approved PLA shall be superseded by the PLA to the greatest extent permitted by federal or state law.

A4.0 REFERENCE DOCUMENTS

Reference Documents include but are not limited to the following Documents:

A) As-built or Record Plans;
B) Existing Utility Plans;
C) Bridge Inspection Reports;
D) Final Design Report/Final Environmental Impact Statement

Reference Documents are located at the following Web site address:

https://www.dot.ny.gov/main/business-center/designbuildproject55

A5.0 PROCUREMENT SCHEDULE

A5.1 ANTICIPATED PROCUREMENT SCHEDULE

The Department anticipates the following procurement schedule for the Contract:

Activity	Date
Draft RFP Informational Meeting	Week of March 21, 2022
Final RFP to Shortlisted Firms	April 14, 2022
Date Proposers may start submitting ATCs for review	April 18, 2022
Proposal period one-on-one meetings with all Proposers.	April 18 – July 15~~June 30~~, 2022
Final date for Proposers to submit new ATC's for review	June 16, 2022
Final date for requests for changes to Proposer's organization and personnel	June 15, 2022
Final date for Proposers to submit revised ATCs for final review	June 30, 2022
Final date for Department's responses to new ATCs submitted for review	June 22, 2022
Final date for Department's responses to revised ATCs submitted for review	July 6, 2022
Final date for receipt of Proposer questions	July 14~~7~~, 2022
Final date for Proposers to respond to conditional approval of ATC's	July 15, 2022
Issue Date for Final Addendum and/or answers to Proposer questions	July 22~~14~~, 2022

Proposal Due	August 10~~July 27~~, 2022
Post Proposal meetings	Week of August 22~~1~~, 2022
Selection of Best Value	September 16~~August 31~~, 2022
Limited Negotiations (if required)	TBD
Contract Award	December 1~~November 17~~, 2022
Notice to Proceed	December 1~~November 17~~, 2022

This is a tentative schedule. All dates set forth in the preceding table and in this RFP are subject to change, in the Department's' sole discretion. To the extent that dates are changed, the Department shall notify the Proposers by Addendum.

A5.2 PROPOSAL DUE DATE

The completed Proposal shall be delivered to the Department's Designated Representative at the address specified in Section A8.0, no later than 12:00 P.M. (midday) (Eastern Time), on the date specified in Section A5.1 (the "Proposal Due Date").

A6.0 CONFLICT OF INTEREST

Federal regulations prohibit the hiring of any person or organization that has a "conflict of interest". Because of their prior work, the following firms have been identified as having conflicts of interest that prevent their consideration for the pending Project. Due to a conflict of interest based on services currently being provided that are related to this Project, Proposers may not include the services of the following firm(s):

- URS Corporation – New York
- AECOM
- Dewberry Engineers, Inc
- MJ Engineering and Land Surveying, P.C.
- SI Engineering, P.C.
- Zetlin Strategic Communications, Inc.
- Mathews Nielsen Landscape Architects, P.C.
- SIMCO Engineering, P.C.
- KLD Engineering, P.C.
- Environmental Planning & Management, Inc.
- Paul Carpenter Associates, Inc.

Proposers utilizing firm(s) identified above will be disqualified from participating in this Project.

A7.0 DBE PARTICIPATION GOAL

Refer to Part 1.

A8.0 DEPARTMENT'S DESIGNATED REPRESENTATIVE

The Department's Designated Representative for this Procurement is:

A9.2 POST-PROPOSAL MEETINGS

Proposers shall not modify their Proposals or make additional commitments regarding Proposals at such meetings. The Department reserves the right to enter into discussions and request revised Proposals. The Department anticipates engaging in limited negotiations with the selected Proposer prior to Contract award regarding such matters as are deemed advisable for negotiations by the Department, as permitted by 23 CFR Section 636.513. The selected Proposer shall have no right to open negotiations on any matter that has not been raised by the Department. See ITP Section 5.3.

The Department has determined the need for post-Proposal presentations. Presentations should include concepts, content and detailed explanations from the written proposal for the categories below to demonstrate the plan for a successful project. Proposers shall limit attendance to ten (10) team members. Proposers may discuss the value of the ATCs approved. New content, not included within the written proposal submitted, will NOT be allowed. The presentation should focus entirely on the Quality Evaluation Factors only. Proposers shall not mention their Price Proposal during the presentations.

Proposers shall be limited to the use of a PowerPoint presentation (including 3D animation), which will become part of the procurement record. Proposers will be allowed one hour to present the concepts and content of their written proposals and will be required to respond to written Evaluator questions for a period of 30 minutes. The time allotted will not provide for a comprehensive report on each Proposal section. Each Proposer shall prioritize and develop a presentation to highlight those elements of their approach which offer particular value to the DOT. The presentation may include concepts, content and detailed explanations from your written proposal and shall conform to below:

Topics	Presenter
a. Proposal Overview	Project Manager
b. Project Understanding	Project or Design Manager
c. Design Solutions	Design Manager
d. Construction Approach / WZTC (Means and Methods)	Project Superintendent
e. Project Schedule	Project Manager
f. Rail Coordination	Rail Coordinator
g. Design Solutions	Lead Structural Engineer

No handouts or other material shall be allowed. The PowerPoint presentation shall be provided in advance for a conformance review by the Department, no later than 12:00 PM on ~~July 29~~August 17, 2022, and will be loaded by DOT prior to your scheduled presentation time. The Proposer will be notified at least 24 hours prior to the scheduled time of presentation of any material removed from the power point by the Department, determined not to be in conformance with the Proposal.

A9.3 STATEMENTS AT MEETINGS

Nothing stated at any meeting will modify the ITP or any other part of the RFP unless it is incorporated in an Addendum issued pursuant to ITP Section 2.3.1 or, in the case of an ATC, approved in writing in accordance with ITP Section A11.1.

Table C
Format of Volume 2

Proposal Component	Reference
Volume 2, Section 1 – Design-Builder's Organization and Process	
Section 1A – Key Personnel	
Key Personnel Form R	C2.1
Section 1B – Overall Design-Build Team Organization	
Design-Build Team Organization Chart (Narrative, Max 5 pages plus 11x17 org chart)	C2.2.1
Design-Build Team Communication Protocol (Narrative, Max 5 pages plus 11x17 communication graphic)	C2.2.2
Design-Build Quality Control Plan (max 20 pages plus org charts)	C2.2.3
Volume 2, Section 2 – Design Build Approach to the Project (Technical Solutions)	
Section 2A – Project Understanding	
Project Understanding (Narrative, max 6 pages, Form R1 – max 4 pages, Form R2 – max 4 pages)	C3.1
Section 2B – Design Solutions	
Design Approach (Narrative, max 15 pages)	C3.2.1
Copies of Department's approval letters for each ATC that is incorporated into the Proposer's Proposal along with each submitted ATC that was approved and used.	C3.2.1
Section 2C – Construction Approach (Means and Methods)	
Overall Project Construction Sequence (maximum 15 pages)	C3.3.1
Work Zone Traffic Control (maximum 15 pages)	C3.3.2
Protection of Existing Facilities (maximum 3 pages)	C3.3.3
Utility Work (maximum 5 pages)	C3.3.4
Drainage Modifications (maximum 4 page)	C3.3.5
Model Management Plan (maximum 8 pages)	C3.3.6
Railroad/Transit Management Plan (maximum 2 pages)	C3.3.7
Attachment A – Design Drawings	
Project Limits	C3.2.2
General Configurations	C3.2.2
Construction Phasing	C3.2.2
Demolition Limits	C3.2.2
Work Zone Traffic Control	C3.3.2
Renderings	C3.2.2
Attachment B – Project Schedules	
Initial Baseline Progress Schedule (maximum 50~~20~~ pages)	C4.1
Initial Baseline Progress Schedule Narrative (maximum 20~~8~~ pages)	C4.1
Form SCD – Schedule of Contract Durations	C4.2
Attachment C – 3D Animation	
3D Animation	C5.0

Note: Volume 2, Attachment A – Design Drawings, shall be submitted in a separate 11"x17" binder.

FORM R-1

RISK RESPONSE STRATEGY NARRATIVES

Table R1: Hunts Point Contract 3 Risk Response Strategy Narratives – (completed example)

P#:		*Risk Owner:* DB Firm
	Risk Statement:	
	Risk Response Strategies:	

Table R1: Hunts Point Contract 3 Risk Response Strategy Narratives – (for Proposer to complete)

P#:	*Risk Owner:* DB Firm
Risk Statement:	
Risk Response Strategies:	

P#:	*Risk Owner:* DB Firm
Risk Statement:	
Risk Response Strategies:	

P#:	*Risk Owner:* DB Firm
Risk Statement:	
Risk Response Strategies:	

P#:	*Risk Owner:* DB Firm
Risk Statement:	
Risk Response Strategies:	

P#:	Risk Owner: DB Firm
Risk Statement:	
Risk Response Strategies:	

P#:	Risk Owner: DB Firm
Risk Statement:	
Risk Response Strategies:	

P#:	Risk Owner: DB Firm
Risk Statement:	
Risk Response Strategies:	

P#:	Risk Owner: DB Firm
Risk Statement:	
Risk Response Strategies:	

P#:	Risk Owner: DB Firm
Risk Statement:	
Risk Response Strategies:	

P#:	Risk Owner: DB Firm
Risk Statement:	
Risk Response Strategies:	

FORM R-2

ADDITIONAL RISK IDENTIFICATION AND ASSESSMENT

Table R2: Hunts Point Contract 2 Additional Risk Identification and Assessment:
(Proposer to complete – no more than 10)

Risk #:
Additional Risk Name/Statement:
Describe the impact that this risk could have on the project. Indicate a risk impact of high, medium, or low to cost, scope, schedule, and quality:
Identify the perceived risk owner(s):
Proposer's Risk Response Strategies:

Risk #:
Additional Risk Name/Statement:
Describe the impact that this risk could have on the project. Indicate a risk impact of high, medium, or low to cost, scope, schedule, and quality:
Identify the perceived risk owner(s):
Proposer's Risk Response Strategies:

Risk #:
Additional Risk Name/Statement:
Describe the impact that this risk could have on the project. Indicate a risk impact of high, medium, or low to cost, scope, schedule, and quality:

Identify the perceived risk owner(s):
Proposer's Risk Response Strategies:

Risk #:
Additional Risk Name/Statement:
Describe the impact that this risk could have on the project. Indicate a risk impact of high, medium, or low to cost, scope, schedule, and quality:
Identify the perceived risk owner(s):
Proposer's Risk Response Strategies:

Risk #:
Additional Risk Name/Statement:
Describe the impact that this risk could have on the project. Indicate a risk impact of high, medium, or low to cost, scope, schedule, and quality:
Identify the perceived risk owner(s):
Proposer's Risk Response Strategies:

Risk #:
Additional Risk Name/Statement:
Describe the impact that this risk could have on the project. Indicate a risk impact of high, medium, or low to cost, scope, schedule, and quality:
Identify the perceived risk owner(s):
Proposer's Risk Response Strategies:

Risk #:
Additional Risk Name/Statement:
Describe the impact that this risk could have on the project. Indicate a risk impact of high, medium, or low to cost, scope, schedule, and quality:
Identify the perceived risk owner(s):
Proposer's Risk Response Strategies:

Risk #:
Additional Risk Name/Statement:
Describe the impact that this risk could have on the project. Indicate a risk impact of high, medium, or low to cost, scope, schedule, and quality:
Identify the perceived risk owner(s):
Proposer's Risk Response Strategies:

Risk #:
Additional Risk Name/Statement:
Describe the impact that this risk could have on the project. Indicate a risk impact of high, medium, or low to cost, scope, schedule, and quality:
Identify the perceived risk owner(s):
Proposer's Risk Response Strategies:

Risk #:
Additional Risk Name/Statement:
Describe the impact that this risk could have on the project. Indicate a risk impact of high, medium, or low to cost, scope, schedule, and quality:
Identify the perceived risk owner(s):
Proposer's Risk Response Strategies:

ENGINEERING DATA

TABLE OF CONTENTS

NON-STANDARD FEATURE JUSTIFICATIONS
CRITICAL DESIGN ELEMENTS
FDNY SPECIFICATIONS, REQUIREMENTS, AND INFORMATION
SAMPLE LANE MILEAGE REPORT
SURVEY PROJECT CONTROL SHEETS
STAGING AREA PLAN
DRAFT OCMC PERMIT
NYSDOT UHPC LINK SLAB DETAILS
NYSDOT ALTERNATE SEMI-INTEGRAL ABUTMENT DETAILS
NYSDOT ELASTOMERIC BEARINGS WITH SLIDING P LATE (TYPE EB) – EXPANSION
HAZARDOUS WASTE/CONTAMINATED MATERIALS INVESTIGATION FINDINGS REPORT (JUNE 2022)
TECHNICAL MEMORANDUM / ASBESTOS ASSESSMENT REPORT
PS 75 PROPERTY ACCESS AND COORDINATION

TECHNICAL MEMORANDUM / ASBESTOS ASSESSMENT REPORT

Note: Attached Technical Memorandum / Asbestos Assessment Report was issued for Hunts Point Interstate Access Improvement Project – Contract 2 dated June 2020. The attached report includes asbestos assessment for the Contract 3 project area.

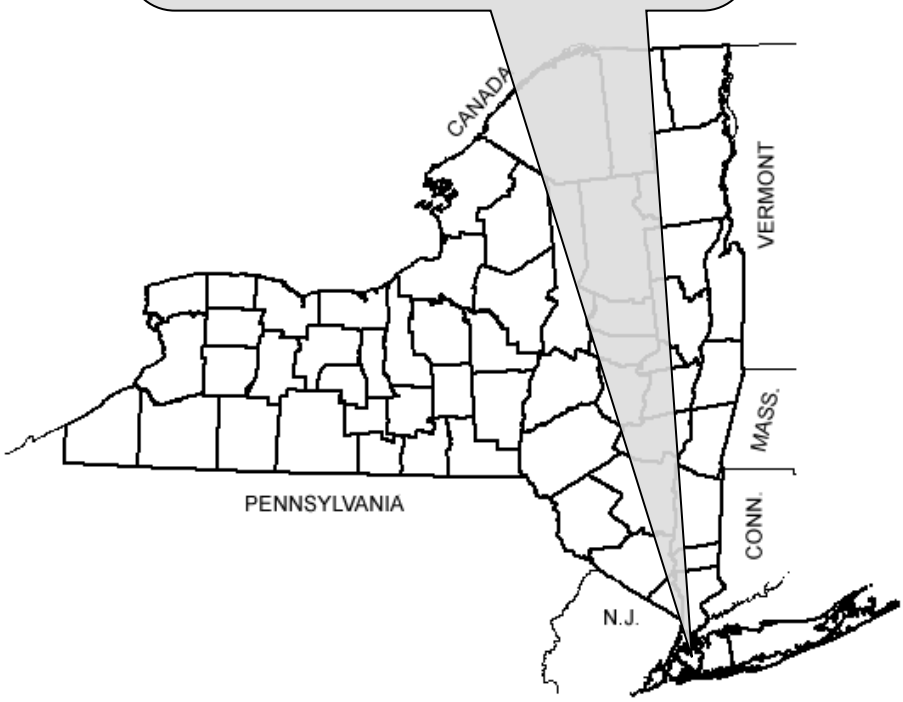
TRANSPORTATION

PROJECT REPORT

Technical Memorandum/ Asbestos Assessment Report Contract 2 Addendum

June 2020

Hunts Point
Interstate Access
Improvement Project
PIN X731.55
Bronx County, New York



NEW YORK STATE OF OPPORTUNITY. Department of Transportation

ANDREW M. CUOMO
Governor

U.S. Department of Transportation
Federal Highway Administration

TABLE OF CONTENTS

EXECUTIVE SUMMARY ..... **III**

1.0 INTRODUCTION **1-1**

2.0 ASBESTOS SURVEY **2-1**
2.1 Document Review 2-1
2.1.1 Record Plan Review: 2-1
2.1.2 Utility Drawing Review 2-7
2.1.3 Previous Asbestos Survey Report Review 2-8
2.2 BIN 106666E – Ramp RE 2-11
2.3 BIN 106666F – Ramp M 2-12
2.4 BIN 106666G – Ramp P 2-13
2.5 BIN 106666H – Ramp N 2-14
2.6 BIN 1066669 – Bruckner Expressway Viaduct 2-15
2.7 BIN 1075310 – Bryant Avenue Pedestrian Bridge 2-16
2.8 BIN 107581A – Ramp Y 2-17
2.9 BIN 1075819 – Bruckner Expressway 2-18
2.10 BIN 1076690 – Westchester Avenue Exit Ramp 2-20
2.11 BIN 2066671 – Eastern Boulevard Bridge 2-21
2.12 BIN 2066672 – Eastern Boulevard Bridge 2-22
2.13 BIN 2075351 – Railroad Crossing 2-23
2.14 BIN 2075352 – Railroad Crossing 2-25
2.15 BIN 2076929 – Railroad Crossing 2-26
2.16 BIN 2241210 – Bryant Avenue Bridge over CSX 2-28
2.17 Block 2759, Lot 20 2-29
2.18 Block 2761, Lot 224 2-32
2.19 Retaining Walls within Amtrak Right-of-Way 2-35

3.0 LABORATORY ANALYSIS **3-1**
3.1 Analytical Procedures 3-1
3.2 Summary of Analytical Results 3-1

4.0 CONCLUSIONS AND RECOMMENDATIONS **4-1**

FIGURES

Figure	1	NYSDOT Bridge Structures (BIN) and Acquisition Sites with Structures

TABLES

Table	1	Summary of Asbestos Containing Materials
Table	2	Asbestos Sample Laboratory Analysis Results

PHOTOGRAPHS

Photograph	1	BIN 106666E – Ramp RE
Photograph	2	BIN 106666F – Ramp M
Photograph	3	BIN 106666G – Ramp P
Photograph	4	BIN 106666H – Ramp N
Photograph	5	BIN 1066669 – Bruckner Expressway Viaduct
Photograph	6	BIN 1075310 – Bryant Avenue Pedestrian Bridge
Photograph	7	BIN 107581A – Ramp Y
Photograph	8	BIN 1075819 – Bruckner Expressway
Photograph	9	BIN 1076690 – Westchester Avenue Exit Ramp
Photograph	10	BIN 2066671 – Eastern Boulevard Bridge
Photograph	11	BIN 2066672 – Eastern Boulevard Bridge
Photograph	12	BIN 2075351 – Railroad Crossing
Photograph	13	BIN 2075352 – Railroad Crossing
Photograph	14	BIN 2076929 – Railroad Crossing
Photograph	15	BIN 2241210 – Bryant Avenue Bridge over CSX
Photograph	16	Block 2759, Lot 20
Photograph	17	Block 2761, Lot 224
Photograph	18	Typical Retaining Wall within Amtrak Right-of-Way

APPENDICES

Appendix	A	Asbestos Bulk Sample Laboratory Analysis Report
Appendix	B	Asbestos Sample Location Schematics
Appendix	C	Photographs of Identified Asbestos Containing Materials
Appendix	D	Licenses and Accreditations
Appendix	E	Previous Asbestos Bulk Sample Laboratory Analysis Reports

EXECUTIVE SUMMARY

Environmental Planning & Management, Inc. (EPM), in association with the joint venture of Dewberry Engineers Inc. (Dewberry) and AECOM, performed limited inspections for the presence of asbestos containing materials (ACM) as part of the New York State Department of Transportation (NYSDOT) Hunts Point Interstate Access Improvement (the Project), Bronx County, New York (PIN X731.55).

The purpose of the project is to provide improved access between the Hunts Point Peninsula and the Sheridan and Bruckner Expressways for automobiles and trucks traveling to and from the commercial businesses located on the peninsula. In addition, the project will address structural and operational deficiencies related to the existing infrastructure.

EPM's scope of work included on-site visual inspections, bulk sampling and laboratory analysis of suspect ACM, and as-built plan and utility drawing review of the following structures:

- BIN 106666E – Ramp RE (southbound exit from the Bruckner Expressway to Bruckner Boulevard)
- BIN 106666F – Ramp M (southbound entrance from Bruckner Boulevard to the Bruckner Expressway)
- BIN 106666G – Ramp P (northbound exit from the Bruckner Expressway to the Bruckner Expressway Interchange)
- BIN 106666H – Ramp N (northbound entrance from Bruckner Boulevard to the Bruckner Expressway interchange)
- BIN 1066669 – Bruckner Expressway viaduct (over Bruckner Boulevard)
- BIN 1075310 – Bryant Avenue Pedestrian Bridge (over Bruckner Boulevard, crossing below the Bruckner Expressway)
- BIN 107581A – Ramp Y (from the westbound Bruckner Expressway to Bronx River Avenue)
- BIN 1075819 – Bruckner Expressway (over Bronx River Avenue)
- BIN 1076690 – Westchester Avenue Exit Ramp
- BIN 2066671 – Eastern Boulevard Bridge (westbound lanes of the Bruckner Expressway over the Bronx River)
- BIN 2066672 – Eastern Boulevard Bridge (eastbound lanes of the Bruckner Expressway over the Bronx River)
- BIN 2075351 – Railroad Crossing (westbound lanes of Bruckner Boulevard and the Bruckner Expressway over Amtrak/CSX)
- BIN 2075352 – Railroad Crossing (eastbound lanes of Bruckner Boulevard and the Bruckner Expressway over Amtrak/CSX)
- BIN 2076929 – Railroad Crossing (eastbound and westbound lanes of the Bruckner Expressway over CSX)
- BIN 2241210 – Bryant Avenue Bridge over CSX
- Block 2759, Lot 20 (1375 Garrison Avenue)
- Block 2761, Lot 224 (1376 Garrison Avenue)

The inspections of the identified bridge structures and buildings were conducted in July, August, and October 2018; and in April 2019. The site visits were conducted by NYSDOL certified asbestos inspectors, Glenn Umstetter (97-02857), Michael Aprahamian (97-02855), Dan Kardashian (14-12786), Ben Campanaro (17-35584), Frank Shkoditch (90-15792), and Iliana Gogos (18-08647).

In April 2020 and June 2020, additional site visits were conducted in order to inspect the retaining walls located within the Amtrak Right-of-Way (ROW). These walls were located from East 149th Street to the Railroad Bridge (BIN 2075351 / 2075352). These site visits were conducted by NYSDOL certified asbestos inspectors, Glenn Umstetter, Joe Cascio (90-00496), and Jon Steketee (18-62251).

In accordance with NYSDOT requirements, an asbestos screening was developed for this project. The screening was used as a guide to the on-site inspections for which all details of the investigation are provided herein.

The purpose of the inspections was to identify the location, quantity and general removal options (including cost estimate) for the removal of asbestos containing materials (greater than 1% as measured by Polarized Light Microscopy [PLM], and Transmission Electron Microscopy [TEM] as applicable) in accordance with the New York State Industrial Code Rule (NYS ICR) 56, that may be impacted by the demolition of the structures.

EPM reviewed record plans. The record plans identified **asbestos transite washers** at anchor bolts of bearings at abutments and piers for BIN 106666E, BIN 106666F, BIN 106666G, BIN 106666H, and BIN 1066669. The plans show **asbestos transite boards** within joints of the retaining walls of BIN 106666E, BIN 106666F, BIN 106666G, BIN 106666H, and the retaining walls within the Amtrak ROW. The plans indicate an **asbestos sheet** located on the backwalls of the abutments of BIN 1075310. In addition, the record plans identified several suspect asbestos containing materials that are discussed herein.

Bulk samples were collected from various suspect asbestos containing material such as: bearing pads, joint filler, caulking, paint, bituminous caulk, coating and sealant material, black mastic, tar, and bond breaker. Laboratory analysis results indicated that some of the bulk samples collected at the bridge structures and Amtrak ROW retaining walls tested positive for asbestos containing materials. In addition, some of the buildings were determined to have asbestos containing material after bulk sampling and laboratory analysis.

According to the NYSDOT “The Environmental Manual 4.4.19 Asbestos Management”, Section 4.4.19.5.2, Asbestos Assessment and Quantification, page 14, paragraph titled “Asbestos Modified Asphalt Concrete Pavement”, states that “if the record plans for projects involving disturbance of pavement indicate that an asbestos modified asphalt concrete was used (under experimental item 51 EX or other special asphalt items), **then** the pavement should be sampled and analyzed to determine asbestos confirmation.” Our review of the record plans did **not** identify the use of experimental asbestos asphalt; therefore, no samples were taken.

Table 1 - Summary of Asbestos Containing Materials
(Impact to Materials Will Be Based on the Final Design)

Structure	Description of ACM	Friability	Approx. Quantity	Unit
BIN 106666E: Ramp RE				
Located within joints of south facing retaining wall (present within 7 joints total)	Off-White Brittle Caulk	Non-friable	88	LF
At anchor bolts of bearings at abutment & piers as per record plans (quantity is all transite washers per pier and abutment locations – 14 total)	Transite Washers	Non-friable	14	LS
Within joints of ramp retaining walls (as per record plans)	Transite Boards (3" x 1/8")	Non-friable	102	SF
Around railing base plates (only present at approach to ramp at old railings)	Railing Base Caulk	Non-friable	38	LF
Base of parapet running along the length of the ramp (both sides) beneath concrete (as per record plans)	Joint Filler (assumed ACM)	Non-friable	3200	SF
Electrical Pull Boxes within ramp barrier wall (NYCE (2) and NYC Electrical (3))	Electrical Pull Box (potentially assumed asbestos containing duct seal present)	Unknown	5	LS
BIN 106666F: Ramp M				
At retaining wall drains (14 total)	Black Joint Filler	Non-friable	14	SF
At anchor bolts of bearings at abutment & piers as per record plans (quantity is all transite washers per pier and abutment locations – 15 total)	Transite Washers	Non-friable	15	LS
Within joints of ramp retaining walls (as per record plans)	Transite Boards (3" x 1/8")	Non-friable	122	SF
Base of parapet running along the length of the ramp (both sides) beneath concrete (as per record plans)	Joint Filler (assumed ACM)	Non-friable	620	SF
Within approach slab to abutment (as per record plans)	Tar Paper (assumed ACM)	Non-friable	4805	SF

Structure	Description of ACM	Friability	Approx. Quantity	Unit
Electrical Pull Boxes within ramp barrier wall (NYC Electrical (8))	Electrical Pull Box (potentially assumed asbestos containing duct seal present)	Unknown	8	LS
BIN 106666G: Ramp P				
Located within joints of north side retaining wall (present within 3 joints total)	Gray Brittle Caulk	Non-friable	30	LF
At north side of retaining wall drains (8 total)	Black Joint Filler	Non-friable	8	SF
At anchor bolts of bearings at abutment & piers as per record plans (quantity is all transite washers per pier and abutment locations – 8 total)	Transite Washers	Non-friable	8	LS
Within joints of ramp retaining walls (as per record plans)	Transite Boards (3" x 1/8")	Non-friable	91	SF
Base of parapet running along the length of the ramp (both sides) beneath concrete (as per record plans)	Joint Filler (assumed ACM)	Non-friable	804	SF
Within approach slab to abutment (as per record plans)	Tar Paper (assumed ACM)	Non-friable	6231	SF
Electrical Pull Boxes within ramp barrier wall (NYC Electrical (4))	Electrical Pull Box (potentially assumed asbestos containing duct seal present)	Unknown	4	LS
BIN 106666H: Ramp N				
At abutment wall drain (1)	Joint Filler	Non-friable	1	SF
Around drains on west side of retaining wall (4 total)	Black Joint Filler	Non-friable	4	SF
At anchor bolts of bearings at abutment & piers as per record plans (quantity is all transite washers per pier and abutment locations – 9 total)	Transite Washers	Non-friable	9	LS

Structure	Description of ACM	Friability	Approx. Quantity	Unit
Within joints of ramp retaining walls (as per record plans)	Transite Boards (3" x 1/8")	Non-friable	185	SF
Base of parapet running along the length of the ramp (both sides) beneath concrete (as per record plans)	Joint Filler (assumed ACM)	Non-friable	400	SF
Within approach slab to abutment (as per record plans)	Tar Paper (assumed ACM)	Non-friable	2400	SF
Electrical Pull Boxes within ramp barrier wall (NYC Electrical (7))	Electrical Pull Box (potentially assumed asbestos containing duct seal present)	Unknown	7	LS
BIN 1066669: Bruckner Expressway Viaduct				
At anchor bolts of bearings at abutment & piers as per record plans (quantity is all transite washers per pier and abutment locations – 16 total from **Bruckner-Sheridan Interchange to End Abutment**)	Transite Washers	Non-friable	16	LS
At anchor bolts of bearings at abutment & piers as per record plans (quantity is all transite washers per pier and/or abutment locations – 92 total from **East 141st Street to Barretto Street**)	Transite Washers	Non-friable	92	LS
At anchor bolts of bearings at abutment & piers as per record plans (quantity is all transite washers per pier and/or abutment locations – 26 total from **Barretto Street to Bruckner-Sheridan Interchange**)	Transite Washers	Non-friable	26	LS
Electrical Pull Boxes within viaduct barrier wall (NYC Electrical - 8) southbound and 8 northbound) **Bruckner-Sheridan Interchange to End Abutment**	Electrical Pull Box (potentially assumed asbestos containing duct seal present)	Unknown	16	LS

Structure	Description of ACM	Friability	Approx. Quantity	Unit
Electrical Pull Boxes within viaduct barrier wall (NYC Electrical - 51) southbound and 55 northbound) **East 141st Street to Barretto Street**	Electrical Pull Box (potentially assumed asbestos containing duct seal present)	Unknown	106	LS
Electrical Pull Boxes within viaduct barrier wall (NYC Electrical - 16) southbound and 16 northbound) **Barretto Street to Bruckner-Sheridan Interchange**	Electrical Pull Box (potentially assumed asbestos containing duct seal present)	Unknown	32	LS
BIN 1075310: Bryant Avenue Pedestrian Bridge (over Bruckner Boulevard)				
On backwalls of abutments (as per record plans) **Span 1** East Ramp Abutment (12 SF) **Spans 2-4** West Ramp Abutment (12 SF)	Asbestos Sheet	Non-friable	24	SF
BIN 107581A: Ramp Y				
Around old fence posts in the parapet wall (13 locations)	Sealant/caulk	Non-friable	13	LF
Within one joint of ramp barrier/parapet	Caulk	Non-friable	4	LF
At the top of south parapet wall (near abutment)	Black Mastic	Non-friable	18	SF
At all piers (6) and east abutment cap beam	Tar Paper	Non-friable	513	SF
At abutments and pier #3	Bond Breaker (2 types – brown and white)	Non-friable	163	SF
Potentially on utilities within ramp deck	Coatings/Tar/Transite (assumed ACM)	Non-friable	350 (Allowance)	LF
Electrical Pull Boxes within ramp barrier wall (Unidentified boxes (3))	Electrical Pull Box (potentially assumed asbestos containing duct seal present)	Unknown	3	LS

Structure	Description of ACM	Friability	Approx. Quantity	Unit
BIN 1075819: Bruckner Expressway (over Bronx River Avenue)				
Within vertical joints of the northwest sidewall and southwest sidewall	Old Caulk	Non-friable	56	LF
On top of abutment backwalls (pier #1 and pier #10) and joints above abutments	Bond Breaker	Non-friable	471	SF
Electrical Control Cabinet at Pier #16	Electrical Box (potentially assumed asbestos wire insulation, cable wrap, ebony board, duct seal, etc.)	Unknown	1	LS
On the underside of the cap beams within the interior vaults (west of pier #1 & east of pier #10)	Tar Paper (assumed ACM)	Non-friable	6351	SF
Potentially present on utilities within bridge deck	Coatings/Tar/Transite (assumed ACM)	Non-friable	400 (Allowance)	LF
Electrical Pull Boxes within north and south top of deck sidewalks (NYC Electrical (14))	Electrical Pull Box (potentially assumed asbestos containing duct seal present)	Unknown	14	LS
BIN 1076690: Westchester Avenue Exit Ramp				
Electrical Control Cabinet on north abutment wall	Electrical Box (potentially assumed asbestos wire insulation, cable wrap, ebony board, duct seal, etc. may be present)	Unknown	1	LS
Electrical Pull Boxes within ramp barrier wall (NYC Electrical (5))	Electrical Pull Box (potentially assumed asbestos containing duct seal present)	Unknown	5	LS
BIN 2066671: Eastern Boulevard Bridge (WB Bruckner Expressway)				
Potentially present on utilities within sidewalks and road deck	Coatings/Tar/Transite (assumed ACM)	Non-friable	400 (allowance)	LF
Electrical Pull Boxes within top of deck sidewalk (NYC Electrical (1))	Electrical Pull Box (potentially assumed asbestos containing duct seal present)	Unknown	1	LS
BIN 2066672: Eastern Boulevard Bridge (EB Bruckner Expressway)				
Potentially present on utilities within sidewalks and road deck	Coatings/Tar/Transite (assumed ACM)	Non-friable	400 (allowance)	LF

Structure	Description of ACM	Friability	Approx. Quantity	Unit
BIN 2075351: Railroad Crossing (WB Bruckner Boulevard/Expressway over Amtrak)				
No confirmed asbestos containing materials and no assumed asbestos containing materials				
BIN 2075352: Railroad Crossing (EB Bruckner Boulevard/Expressway over Amtrak)				
No confirmed asbestos containing materials and no assumed asbestos containing materials				
BIN 2076929: Railroad Crossing (EB & WB Bruckner Expressway over CSX)				
Potentially present within vertical joints of abutments and sidewalls	Caulk (assumed ACM)	Non-friable	300	LF
Potentially present within vertical joints of abutments and sidewalls	Joint Filler (assumed ACM)	Non-friable	1200	SF
Electrical Pull Box within westbound roadway (NYC Electrical (1))	Electrical Pull Box (potentially assumed asbestos containing duct seal present)	Unknown	1	LS
Potentially present on water main crossing the south sidewalk and approaches	Pipe Wrap/Covering (assumed ACM)	Non-friable	250	LF
BIN 2241210: Bryant Avenue Bridge over CSX				
No confirmed asbestos containing materials and no assumed asbestos containing materials				
BLOCK 2759, LOT 20 (1375 Garrison Avenue)				
Roof Level	Roofing (assumed ACM)	Non-friable	6183	SF
Meter Room (extending thru wall into open area) – 9.5 LF By panel near locker room – 4.5 LF Boiler Room – 4.0 LF 2nd Floor – 25 LF	Aircell Pipe Insulation (3”-6” Outside Diameters)	**Friable**	43	LF

Structure	Description of ACM	Friability	Approx. Quantity	Unit
Boiler Room (debris under staircase)	Aircell Pipe Insulation Debris	**Friable**	4	SF
Around the perimeter of 2nd Floor	Wall Mastic (roofing residue)	Non-friable	122	SF
Boiler Room	Flange Gaskets (assumed ACM)	Non-friable	4	SF
Electrical Room – Potentially within locked Con Edison power panel and within locked disconnect switch boxes (2)	Electrical Boxes (arc shields, cable wrap, backing board, etc.)	Unknown	1	LS
Potentially present on door (including roll-ups) and window lintels behind face brick	Fabric Flashing (and mastic) or Rust Inhibitor	Non-friable	53 (allowance)	SF
BLOCK 2761, LOT 224 (1376 Garrison Avenue)				
Roof Level (total for all 3 buildings)	Roofing (assumed ACM)	Non-friable	9122	SF
Potentially present on door (including roll-ups) and window lintels behind face brick (total allowance for all 3 buildings)	Fabric Flashing (and mastic) or Rust Inhibitor	Non-friable	177 (allowance)	SF
933 Edgewater Rd (Ochun Auto Repair)				
Ground level bathroom door	Door Insulation (aircell)	**Friable**	14	SF
935 Edgewater Rd (Owner Building)				
Office	9x9 Green Floor Tile and Associated Mastic	Non-friable	96	SF
1376 Garrison Ave (Food Market)				
No confirmed asbestos containing materials				
Throughout Project Area				
Intersection of Bruckner Boulevard and Bryant Avenue (Con Edison manholes M26188, M23795, M22380, 1103, 1109)	Manholes (potential assumed asbestos cable insulation, duct seal, duct sleeves, transite panels, wire insulation, etc.)	Unknown	5	LS

Structure	Description of ACM	Friability	Approx. Quantity	Unit
Intersection of Bruckner Boulevard and Whitlock Avenue to Whittier Street (Con Edison manholes M3407, M33127, M3405, M33134, 22194)	Manholes (potential assumed asbestos cable insulation, duct seal, duct sleeves, transite panels, wire insulation, etc.)	Unknown	5	LS
Intersection of Bruckner Boulevard and Edgewater Road (Con Edison manholes M27550, M33134, M27601, M3425, 22632, 19936, 27553, 3425, 3408)	Manholes (potential assumed asbestos cable insulation, duct seal, duct sleeves, transite panels, wire insulation, etc.)	Unknown	9	LS
Bruckner Boulevard from Colgate Avenue to Wheeler Avenue (Con Edison manholes M27589, 2246)	Manholes (potential assumed asbestos cable insulation, duct seal, duct sleeves, transite panels, wire insulation, etc.)	Unknown	2	LS
Edgewater Road from Lafayette Avenue to South of Seneca Avenue (Con Edison manhole M26110 – modify casting/roof structure)	Roof Waterproofing (assumed ACM)	Unknown	1	LS
Edgewater Road from South of Garrison Avenue to South of Bruckner Boulevard (Con Edison manholes 26344, 26345, 22633, 26346, 3652, 3653, 22632, existing service box 22632, existing service box 3653, existing service box 3652, existing service box 26345)	Manholes/Service Boxes (potential assumed asbestos cable insulation, duct seal, duct sleeves, transite panels, wire insulation, etc.)	Unknown	11	LS
Utilities to be Removed/Relocated	Coatings/Tar/Transite/Pipe Wrap (Assumed ACM)	Non-friable	10,000 (allowance)	LF
Retaining Walls from East 149th Street to 156th Street (including Leggett Avenue)				
Within retaining wall vertical joints (extending up to sidewalk parapets)	Beige Caulk	Non-friable	1,122	LF
	White Caulk	Non-friable		
Within joints of retaining walls (as per record plans)	Transite Boards (3" x 1/8")	Non-friable	1,030	SF
Around fence post sleeves at sidewalk parapets	Caulk	Non-friable	271	LF

Structure	Description of ACM	Friability	Approx. Quantity	Unit
Retaining Walls from Tiffany Street to Barretto Street				
Within retaining wall vertical joints (extending up to sidewalk parapets)	Grey Caulk	Non-friable	138	LF
Within joints of retaining walls (as per record plans)	Transite Boards (3" x 1/8")	Non-friable	83	SF
Around fence post sleeves at sidewalk parapets	Caulk	Non-friable	22	LF
Retaining Walls from Barretto Street to Faile Street (including Hunts Point Avenue)				
Within retaining wall vertical joints (extending up to sidewalk parapets)	Grey Caulk	Non-friable	881	LF
	Beige Caulk (newer caulk)	Non-friable		
Within joints of retaining walls (as per record plans)	Transite Boards (3" x 1/8")	Non-friable	530	SF
Around retaining wall drains (assumed present within pipe underdrains within retaining wall)	Tar	Non-friable	1101	LF
Around fence post sleeves at sidewalk parapets	Caulk	Non-friable	79	LF
Retaining Walls from Faile Street to Bryant Avenue				
Within retaining wall vertical joints (extending up to sidewalk parapets)	Grey Caulk	Non-friable	132	LF
Around retaining wall drains (assumed present within pipe underdrains within retaining wall)	Tar	Non-friable	352	LF
Within joints of retaining walls (as per record plans)	Transite Boards (3" x 1/8")	Non-friable	238	SF
Around fence post sleeves at sidewalk parapets	Caulk	Non-friable	23	LF
Retaining Walls from Bryant Avenue to Railroad Bridge				
Within retaining wall vertical joints (extending up to sidewalk parapets) – remnant quantities	Grey Caulk	Non-friable	48	LF

Structure	Description of ACM	Friability	Approx. Quantity	Unit
Within joints of retaining walls (as per record plans)	Transite Boards (3" x 1/8")	Non-friable	96	SF
Around retaining wall drains (assumed present within pipe underdrains within retaining wall)	Tar	Non-friable	235	LF
Around fence post sleeves at sidewalk parapets	Caulk	Non-friable	25	LF

The asbestos sample analytical results are provided in Table 2 and Appendix A. Photographs of identified ACM at the property are provided in Appendix C.

Note:
LF – Linear Feet SF – Square Feet LS – Lump Sum

1.0 INTRODUCTION

Environmental Planning & Management, Inc. (EPM), in association with the joint venture of Dewberry Engineers Inc. (Dewberry) and AECOM, performed limited inspections for the presence of asbestos containing materials (ACM) as part of the New York State Department of Transportation (NYSDOT) Hunts Point Interstate Access Improvement (the Project), Bronx County, New York (PIN X731.55).

The inspections of the identified bridge structures and buildings (shown on **Figure 1**) were conducted in July, August, and October 2018; and in April 2019. The site visits were conducted by NYSDOL certified asbestos inspectors, Glenn Umstetter (97-02857), Michael Aprahamian (97-02855), Dan Kardashian (14-12786), Ben Campanaro (17-35584), Frank Shkoditch (90-15792), and Iliana Gogos (18-08647).

In April 2020 and June 2020, additional site visits were conducted in order to inspect the retaining walls located within the Amtrak Right-of-Way (ROW). These walls were located from East 149th Street to the Railroad Bridge (BIN 2075351 / 2075352). These site visits were conducted by NYSDOL certified asbestos inspectors, Glenn Umstetter, Joe Cascio (90-00496), and Jon Steketee (18-62251).

Copies of company and personnel certifications are included in Appendix D.

The purpose of the inspections was to identify the location, quantity, and general removal options (including cost estimate) for the removal of asbestos containing materials (greater than 1% as measured by Polarized Light Microscopy [PLM] and Transmission Electron Microscopy [TEM] as applicable) in accordance with the New York State Industrial Code Rule (NYS ICR) 56, that may be impacted by the demolition of the structures.

The scope of work consisted of the following tasks:

1. Review of the as-built plans and utility plates for the identified structures, and conduct a visual inspection of these structures to identify potential locations of asbestos containing materials (ACM);

2. Collect bulk samples of the suspected ACM;

3. Submit the bulk samples to a certified laboratory for PLM analysis or TEM where applicable;

4. Prepare a report summarizing data collection techniques and analysis procedures, location, type, and quantities of ACM.

5. Estimate the cost of the asbestos removal (submitted under separate cover).

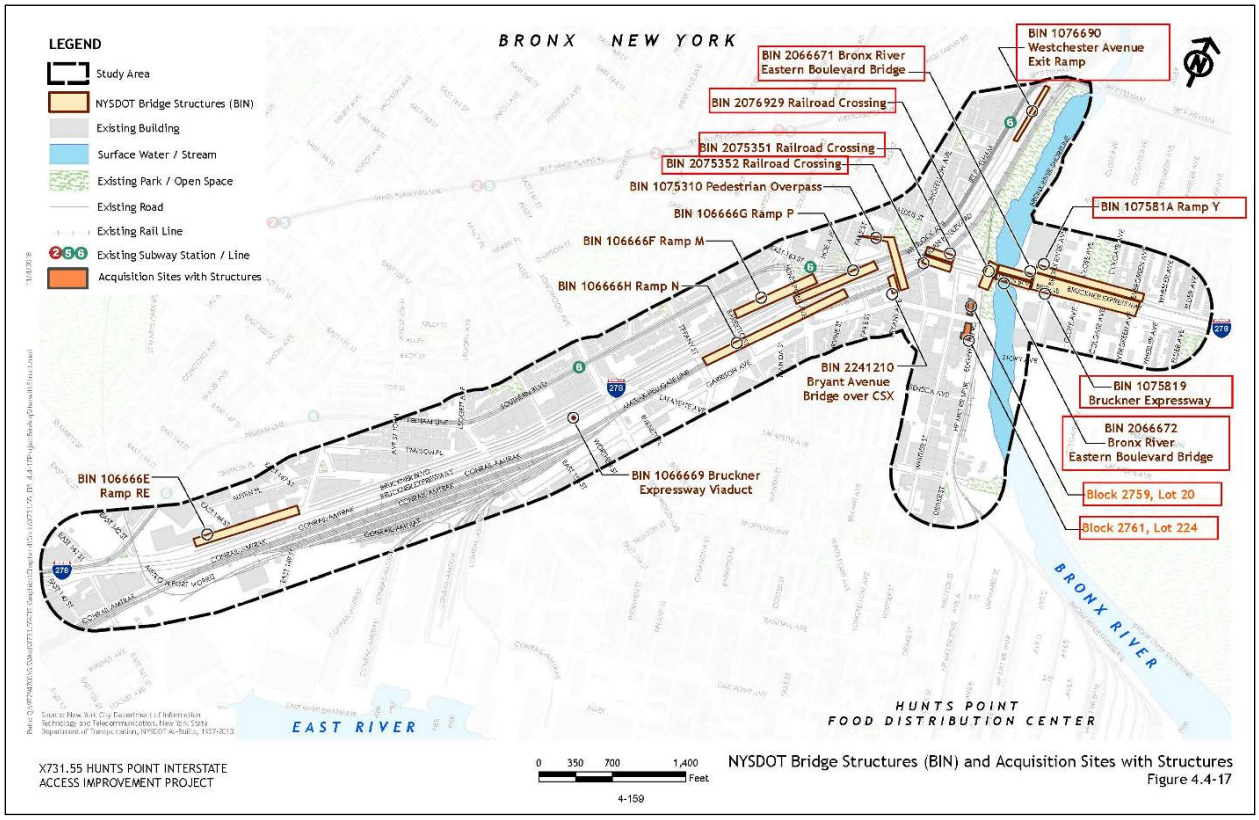


Figure 1: NYSDOT Bridge Structures (BIN) and Acquisition Sites with Structures

2.0 ASBESTOS SURVEY

This section describes the data collection activities, including the site inspection, sample collection and analysis, and a review of the as-built plans for the structures.

Prior to the field inspections, record plans provided by Dewberry were reviewed. EPM personnel conducted on-site inspections of the work areas within the scope of work. All accessible areas were visually inspected.

The following sampling strategy for suspect asbestos containing materials was developed. The delineation of homogeneous areas at the site was based on criteria including material type and location. Materials suspected of containing asbestos were identified for each area inspected. When suspect ACMs were found, representative bulk samples from each homogeneous material (material which is uniform by color, texture, construction/application date, and general appearance) were collected. Three (3) bulk samples were collected from each homogeneous material. Samples in each homogeneous group were analyzed until either the entire group had been analyzed (and all the results negative) or a positive result was obtained. When a positive result occurred, the remaining samples in the group were not analyzed.

2.1 Document Review

2.1.1 Record Plan Review:

Any asbestos containing materials and/or suspect asbestos containing materials identified from the record plan review may or may not be impacted depending on the final scope of work.

<u>BIN 106666E – Ramp RE (southbound exit from the Bruckner Expressway to Bruckner Boulevard):</u>

EPM reviewed as-built drawings from the State of New York, Department of Public Works, Division of Construction, Plans for Constructing with Federal Aid a Portion of the Bruckner Expressway (Section 1 – Contract 2), Bronx County, NY, Contract No. FIBE 57-3, approved/dated 1957. These drawings indicated the following:

- Drawings indicate transite boards (3” x 1/8”) within joints of retaining walls;
- Transite washers are shown at the anchor bolts of the abutment and piers;
- No slipsheet is shown on the abutment.

EPM reviewed as-built drawings from the State of New York, Department of Transportation, Office of Engineering, Rehabilitation of Route I-278 Viaduct East of Triboro Bridge, State Highways BE 57-3, BE 56-4, and BE 60-1, in New York City, Bronx County, Contract No. D252685, approved/dated 1989. These drawings indicated the following:

- Bond breaker/joint filler is shown on the drawings as being located on the top of deck at the base of the parapet running along the length of the ramp;
- No slipsheet is shown on the abutment.

BIN 106666F – Ramp M (southbound entrance from Bruckner Boulevard to the Bruckner Expressway):

EPM reviewed as-built drawings from the State of New York, Department of Public Works, Division of Construction, Plans for Constructing with Federal Aid a Portion of the Interstate Route Connection 516 & 517, Bruckner Expressway (Section 1 – Contract 3), (Lafayette Ave. – Lowell St.), Bronx County, NY, Contract No. FIBE 60-1, approved/dated 1960. These drawings indicated the following:

- Drawings indicate transite boards (3" x 1/8") within joints of retaining walls;
- Transite washers are shown at the anchor bolts of the abutment and piers;
- Premoulded joint filler is shown between the abutment and wingwall;
- Tar paper is indicated in longitudinal section of the approach slab at the abutment (material is not shown in the typical cross-section of the ramp road deck);
- No slipsheet is shown on the abutment.

BIN 106666G – Ramp P (northbound exit from the Bruckner Expressway to the Bruckner Expressway Interchange):

EPM reviewed as-built drawings from the State of New York, Department of Public Works, Division of Construction, Plans for Constructing with Federal Aid a Portion of the Interstate Route Connection 516 & 517, Bruckner Expressway (Section 1 – Contract 3), (Lafayette Ave. – Lowell St.), Bronx County, NY, Contract No. FIBE 60-1, approved/dated 1960. These drawings indicated the following:

- Drawings indicate transite boards (3" x 1/8") within joints of retaining walls;
- Transite washers are shown at the anchor bolts of the abutment and piers;
- Premoulded joint filler is shown between the abutment and wingwall;
- Tar paper is indicated in longitudinal section of the approach slab at the abutment (material is not shown in the typical cross-section of the ramp road deck);
- No slipsheet is shown on the abutment.

BIN 106666H – Ramp N (northbound entrance from Bruckner Boulevard to the Bruckner Expressway interchange):

EPM reviewed as-built drawings from the State of New York, Department of Public Works, Division of Construction, Plans for Constructing with Federal Aid a Portion of the Interstate Route Connection 516 & 517, Bruckner Expressway (Section 1 – Contract 3), (Lafayette Ave. – Lowell St.), Bronx County, NY, Contract No. FIBE 60-1, approved/dated 1960. These drawings indicated the following:

- Drawings indicate transite boards (3" x 1/8") within joints of retaining walls;
- Transite washers are shown at the anchor bolts of the abutment and piers;
- Premoulded joint filler is shown between the abutment and wingwall;
- Tar paper is indicated in longitudinal section of the approach slab at the abutment (material is not shown in the typical cross-section of the ramp road deck);
- No slipsheet is shown on the abutment.

BIN 1066669 – Bruckner Expressway Viaduct (over Bruckner Boulevard):

EPM reviewed as-built drawings from the State of New York, Department of Public Works, Division of Construction, Plans for Constructing with Federal Aid a Portion of the Interstate Route Connection 516 & 517, Bruckner Expressway (Section 1 – Contract 3), (Lafayette Ave. – Lowell St.), Bronx County, NY, Contract No. FIBE 60-1, approved/dated 1960. These drawings indicated the following:

- Transite washers are shown at the anchor bolts of the abutments and piers.

BIN 1075310 – Bryant Avenue Pedestrian Bridge (over Bruckner Boulevard, crossing below the Bruckner Expressway):

EPM reviewed as-built drawings from the State of New York, Department of Public Works, Division of Construction, Plans for Constructing with Federal Aid a Portion of the Interstate Route Connection 516 & 517, Bruckner Expressway (Section 1 – Contract 3), (Lafayette Ave. – Lowell St.), Bronx County, NY, Contract No. FIBE 60-1, approved/dated 1960. These drawings indicated the following:

- Asbestos sheet is shown on the backwalls of the abutments;
- The drawings show premoulded bituminous joint material at the abutments. Not observed during the on-site screening. Joints are filled with non-suspect foam covered by suspect caulk;
- Premoulded bituminous joint material is also shown running along the concrete sidewalk. Not observed during on-site screening. Black caulk was observed within joints;
- Bituminous waterproofing (Item 61) on the earthen side of the abutments. Item 61 material has been historically sampled on numerous bridges and never been found to be positive for asbestos.

BIN 107581A – Ramp Y (from the westbound Bruckner Expressway to Bronx River Avenue):

EPM reviewed as-built drawings from the State of New York, Department of Transportation, Office of Engineering, Rehabilitation of Route I-278 Viaduct East of Route I-895, State Highway BE 66-1, in New York City, Bronx County, Contract No. D252624, approved/dated 1988. These drawings indicated the following:

- There were no asbestos containing materials identified for this bridge structure;
- 2” diameter conduit (1) within ramp barrier. Material of conduit is not identified;
- No waterproofing membrane indicated within the road deck.

EPM reviewed as-built drawings from the State of New York, Department of Public Works, Division of Construction, Interstate Route Connection 516, Bruckner Expressway - Section 2, Contract 6, Bryant Avenue to White Plains Road, Contract No. FIBE 66-1, Bronx County, approved/dated 1966. These drawings indicated the following:

- Compressed asbestos containing sheet packing on top of abutment backwalls. This material was tested under a previous asbestos investigation and confirmed to be asbestos containing.

BIN 1075819 – Bruckner Expressway (over Bronx River Avenue):

EPM reviewed as-built drawings from the State of New York, Department of Transportation, Office of Engineering, Rehabilitation of Route I-278 Viaduct East of Route I-895, State Highway BE 66-1, in New York City, Bronx County, Contract No. D252624, approved/dated 1988. These drawings indicated the following:

- There were no asbestos containing materials identified for this bridge structure;
- 2" diameter conduits (2) within each sidewalk (4 total). Material of conduits not identified. Conduits most likely related to street lighting for which the wire insulation was observed to be non-suspect for asbestos;
- No waterproofing membrane indicated within the road deck;
- 3/4" premoulded bituminous joint filler is indicated at the curb-to-roadway joint. Not observed during the on-site screening.

EPM reviewed as-built drawings from the State of New York, Department of Public Works, Division of Construction, Interstate Route Connection 516, Bruckner Expressway - Section 2, Contract 6, Bryant Avenue to White Plains Road, Contract No. FIBE 66-1, Bronx County, approved/dated 1966. These drawings indicated the following:

- Various joint fillers indicated on drawings. Bulk samples of joint fillers were collected for the current investigation;
- 2" diameter galvanized steel conduit (1) and 2" diameter galvanized wrought iron conduit (1) within each sidewalk (4 total). These are the same conduits shown in the Contract No. D252624 drawings above.

<u>BIN 1076690 – Westchester Avenue Exit Ramp:</u>

EPM reviewed as-built drawings from the State of New York, Department of Transportation, Office of Engineering, Rehabilitation of Route I-895 Viaduct Exit Ramp to Westchester Avenue, State Highway ASE 60-1, in New York City, Bronx County, Contract No. D252656, approved/dated 1989. These drawings indicated the following:

- There were no asbestos containing materials identified for this bridge structure;
- No waterproofing membrane indicated within the road deck;
- Premolded expansion joint filler is indicated at both sides of the roadway slab at the north abutment and extending along ramp/wingwalls;
- Premolded joint filler is shown in sidewalk and fence barrier joints;
- Mastic joint sealer is shown within expansion joints of north approach.

<u>BIN 2066671 – Eastern Boulevard Bridge (westbound lanes of the Bruckner Expressway over the Bronx River):</u>

EPM reviewed as-built drawings from the State of New York, Department of Transportation, Office of Engineering, Rehabilitation of Route I-278 Viaduct East of Route I-895, State Highway BE 66-1, in New York City, Bronx County, Contract No. D252624, approved/dated 1988. These drawings indicated the following:

- There were no asbestos containing materials identified for this bridge structure;
- No waterproofing membrane indicated within the road deck;
- 3/4" premoulded joint filler is indicated at the curb-to-roadway joint. Not observed during on-site screening;
- Caulking shown in sidewalks;
- Bituminous joint filler material in sidewalks above abutments. Not observed during the on-site screening;

- Non-suspect elastomeric bearings are shown on the drawings;
- Control houses, towers, machinery rooms are beyond the scope of work for this project.

BIN 2066672 – Eastern Boulevard Bridge (eastbound lanes of the Bruckner Expressway over the Bronx River):

EPM reviewed as-built drawings from the State of New York, Department of Transportation, Office of Engineering, Rehabilitation of Route I-278 Viaduct East of Route I-895, State Highway BE 66-1, in New York City, Bronx County, Contract No. D252624, approved/dated 1988. These drawings indicated the following:

- There were no asbestos containing materials identified for this bridge structure;
- No waterproofing membrane indicated within the road deck;
- 3/4" premoulded joint filler is indicated at the curb-to-roadway joint. Not observed during the on-site screening;
- Caulking shown in sidewalks;
- Bituminous joint filler material in sidewalks above abutments. Not observed during the on-site screening;
- Non-suspect elastomeric bearings are shown on the drawings;
- Control houses, towers, machinery rooms are beyond the scope of work for this project.

BIN 2075351 – Railroad Crossing (westbound lanes of Bruckner Boulevard and the Bruckner Expressway over Amtrak/CSX):

EPM reviewed as-built drawings from the City of New York, Department of Transportation, Division of Bridges, Rehabilitation of the Northbound and Southbound Bruckner Expressway Bridges over CSX and Amtrak, BIN 2-07535-1, BIN 2-07535-2, PIN 84107BXBR171, Contract No. HBX1123, Borough of the Bronx, approved/dated 9/30/2013. These drawings indicated the following:

- The drawings indicate that the following asbestos containing materials were removed/abated:
    - Wire insulation associated with lighting fixtures and conduits.

- In general, the new work included the following (but not limited to):
    - New 12" diameter watermain along fenced-in sidewalk;
    - New Con Edison conduits beneath sidewalk;
    - New roadway, roadway concrete barriers, curbs, sidewalk, parapet, chain link fence, curved fence;
    - New backwall, bridge seat, and bearings.

BIN 2075352 – Railroad Crossing (eastbound lanes of Bruckner Boulevard and the Bruckner Expressway over Amtrak/CSX):

EPM reviewed as-built drawings from the City of New York, Department of Transportation, Division of Bridges, Rehabilitation of the Northbound and Southbound Bruckner Expressway Bridges over CSX and Amtrak, BIN 2-07535-1, BIN 2-07535-2, PIN 84107BXBR171, Contract No. HBX1123, Borough of the Bronx, approved/dated 9/30/2013. These drawings indicated the following:

- The drawings indicate that the following asbestos containing materials were removed/abated:
    - Con Edison transite conduits (8) suspended from bridge and underground within the approaches;

- 20” diameter water main suspended from bridge and underground within the approaches;
- Bituminous caulk and joint caulk/filler within the sidewalks;
- Wire insulation associated with lighting fixtures and conduits;

- In general, the new work included the following (but not limited to):
  - New 20” diameter watermain suspended below deck;
  - New Con Edison conduits suspended below deck;
  - New roadway, roadway concrete barriers, curbs, sidewalk, parapet, chain link fence, curved fence;
  - New backwall, bridge seat, and bearings.

BIN 2076929 – Railroad Crossing (eastbound and westbound lanes of the Bruckner Expressway over CSX):

EPM reviewed as-built drawings from the State of New York, Department of Transportation, Office of Engineering, Rehabilitation of Route I-278 Viaduct East of Route I-895, State Highway BE 66-1, in New York City, Bronx County, Contract No. D252624, approved/dated 1988. These drawings indicated the following:

- There were no asbestos containing materials identified for this bridge structure;
- Drawings indicate a water main crossing beneath the south sidewalk (concrete-encased);
- No waterproofing membrane indicated within the road deck.

BIN 2241210 – Bryant Avenue Bridge over CSX:

No as-built drawings were available for review for this bridge structure.

Block 2759, Lot 20 (1375 Garrison Avenue):

No as-built drawings were available for review for this building structure.

Block 2761, Lot 224 (1376 Garrison Avenue):

No as-built drawings were available for review for this building structure.

Retaining Walls within Amtrak Right-of-Way:

EPM reviewed as-built drawings from the State of New York, Department of Public Works, Division of Construction, Plans for Constructing with Federal Aid a Portion of the Interstate Route Connection 516 & 517, Bruckner Expressway (Section 1 – Contract 3), (Lafayette Ave. – Lowell St.), Bronx County, NY, Contract No. FIBE 60-1, approved/dated 1960. These drawings indicated the following:

- Drawings indicate transite boards (3” x 1/8”) within joints of retaining walls;
- Premoulded joint filler is shown within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level). Bulk samples of this material were collected and found to be non-asbestos containing after laboratory analysis;
- Caulking compound is shown within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level). Bulk

samples of this material were collected and found to be **asbestos containing** after laboratory analysis;

- Caulking compound is also shown around the fence post sleeves at the retaining wall parapets. This material is homogeneous to the **asbestos containing** caulking within the retaining wall/parapet joints;
- Joint sealing compound and premoulded joint material are shown between the sidewalk and retaining wall parapet. The premoulded joint material was not observed during the on-site inspection. Bulk samples of black caulking (at the location of joint sealing compound on record plans) were collected and found to be non-asbestos containing after laboratory analysis;
- Bituminous material (Item 61) is shown on the earthen side of the retaining walls (from top of footing to bottom of sidewalk). Item 61 material has been historically sampled on numerous bridges and never been found to be positive for asbestos.

EPM reviewed as-built drawings from the State of New York, Department of Public Works, Division of Construction, Plans for Constructing with Federal Aid a Portion of the Bruckner Expressway (Section 1 – Contract 2), Bronx County, NY, Contract No. FIBE 57-3, approved/dated 1957. These drawings indicated the following:

- Drawings indicate transite boards (3” x 1/8”) within joints of retaining walls;
- Premoulded joint material is shown within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level). Bulk samples of this material were collected and found to be non-asbestos containing after laboratory analysis;
- Grey caulking compound is shown within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level). Bulk samples of this material were collected and found to be **asbestos containing** after laboratory analysis;
- Grey caulking compound is also shown around the fence post sleeves at the retaining wall parapets. This material is homogeneous to the **asbestos containing** caulking within the retaining wall/parapet joints;
- Caulking compound and premoulded joint material are shown between the sidewalk and the retaining wall parapet. The premoulded joint material was not observed during the on-site inspection. Bulk samples of black caulking were collected and found to be non-asbestos containing after laboratory analysis;
- Bituminous material (Item 61) is shown on the earthen side of the retaining walls (from top of footing to bottom of sidewalk). Item 61 material has been historically sampled on numerous bridges and never been found to be positive for asbestos.
-

2.1.2 Utility Drawing Review

Available utility information as described in project document “DB Contract Documents Part 4 Utility Requirements (Final January 15, 2019)” was reviewed. No specific asbestos containing materials were identified. Pertinent information has been added to Table 1.

2.1.3 Previous Asbestos Survey Report Review

Asbestos Assessment Survey and Design Report for Bridge Rehabilitation Design Services, Design Phase I-VI for Corrective Maintenance on Specified Bridges in Bronx & New York Counties, New York, Contract D030694, PIN XM12.53, dated May 16, 2014. This report includes inspection and bulk sampling for the following bridge structures in the current project:

BIN 106666F – Ramp M (southbound entrance from Bruckner Boulevard to the Bruckner Expressway)

Bulk samples were collected from the following suspect asbestos containing materials:

- Caulk- gray, from top of deck expansion joints; and,
- Bearing pad- black, from Pier 5 G3, G2, and G4 pedestals. Pads only observed at this pier.

Based on laboratory analysis results, **none** of the samples were determined to be asbestos containing.

Record plan review indicated **transite washers/spacers** at anchor bolts of bearings at abutment & piers.

Other observations were noted:

- Non-suspect foam filler observed within top of deck expansion joints (below caulk);
- No railing base plate caulk observed;
- No bearing pads and no slipsheet observed at abutment.

BIN 1066669 – Bruckner Expressway viaduct (over Bruckner Boulevard)

Bulk samples were collected from the following suspect asbestos containing materials:

- Caulk- light gray, from top of deck parapet joints;
- Rail base pads-black from railing post bases;
- Joint filler- brown, from top of deck parapet longitudinal joints;
- Bearing pad- orange cloth, from Begin Abutment, Pier 37, and Pier 26; and,
- Bearing pad- black, from End Abutment.

Based on laboratory analysis results, **none** of the samples were determined to be asbestos containing.

Record plan review indicated **transite washers/spacers** at anchor bolts of bearings at abutment & piers.

Other observations were noted:

- Non-suspect foam filler observed within top of deck parapet vertical joints (below caulk);
- Suspended pipe running along the underdeck is non-suspect metal.

BIN 1075310 – Bryant Avenue Pedestrian Bridge (over Bruckner Boulevard, crossing below the Bruckner Expressway)

Bulk samples were collected from the following suspect asbestos containing materials:

- Bearing pad- black, from west and east abutments;
- Caulk- gray, from top of deck expansion joints;
- Caulk- dark gray, from top of deck parapet rib bases; and,
- Caulk- light gray, from top of deck parapet rib bases.

Based on laboratory analysis results, **none** of the samples were determined to be asbestos containing. Other observations were noted:

- No suspect asbestos containing materials in wingwall vertical joints.

BIN 107581A – Ramp Y (from the westbound Bruckner Expressway to Bronx River Avenue)

Bulk samples were collected from the following suspect asbestos containing materials:

- Slip sheet/bond breaker- brown from top of End Abutment and piers;
- Tar paper- black, from underside of cap beams at Pier 3, Pier 6, and Begin Abutment;
- Joint filler-black, from underdeck longitudinal joint with adjacent bridge; and,
- Slip sheet/bond breaker- white, from top of Begin Abutment.

After laboratory analysis, the **slipsheet/bond breaker (brown),** the **tar paper,** and the **slipsheet/bond breaker (white)** were determined to be **asbestos containing**.

Other observations were noted:

- Top of deck expansion joints are non-suspect armored/rubber;
- Railing base plates have non-suspect black pads.

Asbestos and Lead-Based Paint Survey Report, S/B & N/B Bruckner Expressway Bridges over Amtrak/CSX Railroad, Bronx County, New York, NYCDOT Contract BRX1123, PIN 84107BXBR171, dated December, 2008. This report includes inspection and bulk sampling for the following bridge structures in the current project:

BIN 2075351 – Railroad Crossing (westbound lanes of Bruckner Boulevard and the Bruckner Expressway over Amtrak/CSX)

Bulk samples were collected from the following suspect asbestos containing materials:

- Pipe Covering Material located on an un-identified abandoned conduit located beneath the bridge just inside the south fascia. The pipe itself is a non-suspect metal;
- Bituminous Caulk located at the end of the north sidewalk (over the west abutment);
- Pipe Wrap located at the interface of the 8-inch water main and the north sidewalk;
- Joint Filler located on a center median (between service road and main road) expansion joint;
- Bituminous Caulk located on the center median (between service road and main road) curb;
- Joint Filler located within the joints of the north approach sidewalk; and,
- Dark Green Textured Paint located on the underside structural steel beams.

Based on laboratory analysis results, **none** of the samples were determined to be asbestos containing.

Other observations were noted:

- No bearing pads observed, no bond breaker observed, and no other suspect asbestos containing materials observed on the walls of the abutments;
- Road deck coring was performed. No waterproofing membrane was observed in any of the cores.

BIN 2075352 – Railroad Crossing (eastbound lanes of Bruckner Boulevard and the Bruckner Expressway over Amtrak/CSX)

Bulk samples were collected from the following suspect asbestos containing materials:

- Bituminous Caulk located along the south sidewalk running parallel to the south fascia and parallel to the sidewalk traffic barrier;
- Bituminous Asphaltic Material located sporadically on the south sidewalk;
- Waterproofing Membrane Material located within the road deck (accessed by road deck coring);
- Joint Filler located within the joints of the north approach sidewalk;
- Joint Caulk/Filler located within joints of the south approach sidewalk concrete parapet wall;
- Joint Filler located within the joints of the individual jersey barriers that separate the N/B Bruckner and the N/B service road lanes; and,
- Bituminous Caulk located at the south approach sidewalk concrete parapet wall near the west abutment.

After laboratory analysis, the **bituminous caulk** (located along south sidewalk running parallel to the south fascia) and the **joint caulk/filler** (within joints of the south approach sidewalk concrete parapet wall) were determined to be **asbestos containing**. These materials were abated/removed under Contract No. HBX1123 (see drawing review discussion). Furthermore, these materials were not observed during the current on-site investigation.

Other observations were noted:

- No bearing pads observed, no bond breaker observed, and no other suspect asbestos containing materials observed on the walls of the abutments.
- Utility drawings reviewed indicated eight (8) 5-inch **asbestos (transite) conduits** (Con Edison) along the northbound Bruckner Service Road and beneath the sidewalk. These conduits were abated/removed under Contract No. HBX1123 (see drawing review discussion).

2.2 BIN 106666E – Ramp RE

Photograph 1: BIN 106666E – Ramp RE (southbound exit from the Bruckner Expressway to Bruckner Boulevard)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Off-White Brittle Caulk** located on the south facing retaining wall of the ramp;
- **Black Joint Filler** located within the joints of the south facing retaining wall;
- **Green Paint** associated with the structural steel beams;
- **Gray Paint** located on the abutment wall and piers;
- **Gray Paint** located on the south facing retaining wall of the ramp;
- **Joint Caulk** located within expansion joint of ramp, top of deck;
- **Railing Base Caulk** located around base plates of original railings (at approach to ramp only).

Based on laboratory analysis results, the **off-white brittle caulk** and the **railing base caulk** were determined to be **asbestos containing**.

Other Observations:

- No bearing pad material was observed at abutment and select piers;
- No joint filler observed within retaining wall drains.
- No visibility to see the top of the abutment backwall due to the structural steel diaphragms;
- Top of deck railings on ramp are new with no base caulk observed;
- Top of deck expansion joints are filled with non-suspect foam joint filler;

- Electrical Pull Boxes within ramp barrier wall (NYCE (2) and NYC Electrical (3)) were observed. No access to the interior of these boxes. There is the potential for asbestos containing duct seal to be present.

2.3 BIN 106666F – Ramp M

Photograph 2: BIN 106666F – Ramp M (southbound entrance from Bruckner Boulevard to the Bruckner Expressway)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Bearing Pad Material** located on the abutment and pier bearing locations;
- **Dark Brown Joint Filler** located within the joints (upper and lower halves) of the retaining wall;
- **Black Joint Filler** located at retaining wall drains;
- **Gray Paint** located on the retaining wall of the ramp and pier #2;
- **Green Paint** associated with the structural steel beams and drainage pipes;

Based on laboratory analysis results, the **black joint filler** was determined to be **asbestos containing**.

Other Observations:

- No visibility to see the top of the abutment backwall due to the structural steel diaphragms;
- Electrical Pull Boxes within ramp barrier wall (NYC Electrical (8)) were observed. No access to the interior of these boxes. There is the potential for asbestos containing duct seal to be present;

- Supplemental survey information for this bridge structure is provided in Section 2.1.3 (Previous Asbestos Survey Reports Review) and associated bulk sample laboratory analysis results presented in Appendix E.

2.4 BIN 106666G – Ramp P

Photograph 3: BIN 106666G – Ramp P (northbound exit from the Bruckner Expressway to the Bruckner Expressway Interchange)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Green Paint** associated with the structural steel beams and drainage pipes;
- **Gray Paint** located on piers #1 and #2;
- **White Coating** located at pier bearing locations (over base of bearing plates);
- **Black Bearing Pad Material** located at pier bearing locations;
- **Brown Joint Filler** located within the joints of the north side of the retaining wall;
- **Gray Paint** located on the north side of the retaining wall;
- **Gray Brittle Caulk** located within the joints of the north side of the retaining wall of the ramp;
- **Black Joint Filler** located at drains within the north side of the retaining wall of the ramp;
- **Joint Caulk** located within expansion joint of ramp, top of deck.

Based on laboratory analysis results, the **black joint filler** and **the gray brittle caulk** were determined to be **asbestos containing**.

Other Observations:

- No visibility to see the top of the abutment backwall due to the structural steel diaphragms;
- No caulk observed on top of deck railing base posts;
- Top of deck expansion joints are filled with non-suspect foam joint filler;
- Electrical Pull Boxes within ramp barrier wall (NYC Electrical (4)) were observed. No access to the interior of these boxes. There is the potential for asbestos containing duct seal to be present.

2.5 BIN 106666H – Ramp N

Photograph 4: BIN 106666H – Ramp N (northbound entrance from Bruckner Boulevard to the Bruckner Expressway interchange)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Gray Paint** located on piers #2 and #3;
- **Black Bearing Pad Material** located at pier bearing locations;
- **Green Paint** associated with the structural steel beams;
- **Joint Filler** located at abutment wall drain;
- **Joint Filler** located around drains on the west side of retaining wall;
- **Gray Paint** located on the retaining wall;
- **Joint Filler** located within the walls of the ramp parapet;
- **Joint Caulk** located within expansion joint of ramp, top of deck.

Based on laboratory analysis results, the **joint filler** at the abutment wall drain and the **joint filler** around the drains on the west side of retaining wall were determined to be **asbestos containing**.

Other Observations:

- No visibility to see the top of the abutment backwall due to the structural steel diaphragms;
- No caulk observed on top of deck railing base posts;
- Top of deck expansion joints are filled with non-suspect foam joint filler;
- Electrical Pull Boxes within ramp barrier wall (NYC Electrical (7)) were observed. No access to the interior of these boxes. There is the potential for asbestos containing duct seal to be present.

2.6 BIN 1066669 – Bruckner Expressway Viaduct

Photograph 5: BIN 1066669 – Bruckner Expressway Viaduct (over Bruckner Boulevard)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Green Paint** associated with the structural steel beams (including bearing plates, girders, and columns);

Based on laboratory analysis results, **none** of the samples were determined to be asbestos containing.
Other Observations:

- No bearing pad material was observed at select piers;
- Supplemental survey information for this bridge structure is provided in Section 2.1.3 (Previous Asbestos Survey Reports Review) and associated bulk sample laboratory analysis results presented in Appendix E.

2.7 BIN 1075310 – Bryant Avenue Pedestrian Bridge

Photograph 6: BIN 1075310 – Bryant Avenue Pedestrian Bridge (over Bruckner Boulevard, crossing below the Bruckner Expressway)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Black Bituminous Caulk** located at the bottom of the west stairs;
- **Black Caulk** located within the joints running along the west stairs and east stairs;
- **Green Paint** located on structural steel parapet, railings, and girders;
- **Pliable Blue/Gray Caulk** located within the expansion joint above the west abutment and expansion joints located on the top of the bridge (over non-suspect foam);
- **Beige Coating** located on the west stairs as a patch;
- **Gray Caulk** located within the joint at the top of the west stairs;
- **Hard Gray Caulk** located at the base of the steel parapet, top of deck;
- **Gray Paint** located on the west abutment wall and sidewall associated with the west abutment;
- **Bearing Pad** located at the west abutment bearing locations.

Based on laboratory analysis results, **none** of the samples were determined to be asbestos containing.

Other Observations:

- Visually confirmed the presence of the asbestos sheet on the backwall of the west abutment (material was shown on the record plans as being asbestos);
- No caulk observed around railing base plates;
- No caulk observed at fence base plates on top of bridge;
- No caulk observed on curb joints;
- Non-suspect wire insulation observed in lamp post on top of bridge;
- No access to south abutment. Area is fenced in with "Live Electric Lines" sign observed;
- Supplemental survey information for this bridge structure is provided in Section 2.1.3 (Previous Asbestos Survey Reports Review) and associated bulk sample laboratory analysis results presented in Appendix E.

2.8 BIN 107581A – Ramp Y

Photograph 7: BIN 107581A – Ramp Y (from the westbound Bruckner Expressway to Bronx River Avenue)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Beige Coating** located around the bolts under the black fence;
- **Sealant** located around old fence posts in the parapet wall;
- **Caulk** located within one joint of ramp barrier/parapet (non-suspect foam beneath);
- **Black Tar** located on the ramp sidewalk;
- **Black Joint Filler** located within the joints of the north side of the retaining wall;

- **Black Mastic** located at the top of south parapet wall (near abutment);
- **Black Mastic** located at the guard rail of the Bruckner Expressway abutting ramp.

Based on laboratory analysis results, the **sealant** located around old fence posts in the parapet wall, **the caulk** located within the one joint of the ramp barrier/parapet, and the **black mastic** located at the top of south parapet wall (near abutment) were determined to be **asbestos containing**.

Other Observations:

- Non-suspect foam filler observed within top of deck expansion joint;
- No caulk observed around railing base plates;
- No caulk observed around black fence base plates. Non-suspect mortar observed around some base plates;
- Armored/rubber joint observed within sidewalk;
- No suspect asbestos containing materials observed at curbs;
- Concrete barrier walls have closed vertical joints;
- Supplemental survey information for this bridge structure is provided in Section 2.1.3 (Previous Asbestos Survey Reports Review) and associated bulk sample laboratory analysis results presented in Appendix E.

2.9 BIN 1075819 – Bruckner Expressway

Photograph 8: BIN 1075819 – Bruckner Expressway (over Bronx River Avenue)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Gray Caulk** located within the vertical joints of the northwest sidewall;
- **Joint Filler** located within the vertical joints of the northwest sidewall (beneath gray caulk);
- **Old Caulk** located within the vertical joints of the northwest sidewall (same material present on southwest sidewall);
- **Bearing Pad** located at west abutment and pier bearing locations;
- **Light Green Paint** located on structural steel beams;
- **Gray Paint** located on pier columns;
- **Bond Breaker** located on the top of the west abutment backwall;
- **Joint Filler** located at the horizontal expansion joint of the west abutment;
- **Compressed Joint Filler** located in the northwest sidewall, running along the top of the brick.

Based on laboratory analysis results, the **old caulk** and the **bond breaker** were determined to be **asbestos containing**.

Other Observations:

- Vertical joint in west abutment is closed. No suspect asbestos containing materials observed;
- Several large drainage pipes observed underdeck. No suspect asbestos containing materials observed;
- West abutment wall is un-painted;
- No utilities observed along the underdeck of the bridge;
- No caulk observed around railing base plates along top of deck;
- Non-suspect rubber gaskets observed beneath the railing base plates;
- No open joints in top of deck parapet wall observed;
- No open joints in top of deck sidewalks observed;
- Some top of deck expansion joints are non-suspect armored/rubber filled;
- Some top of deck expansion joints have non-suspect foam filler;
- Non-suspect wire insulation observed within top of deck lamp post junction boxes;
- No paints observed on parapet walls;
- Caulk running along the jersey barrier next to the southwest sidewall is homogeneous to the gray caulk within the vertical joints of the northwest sidewall;
- No suspect asbestos containing materials observed at curbs;
- Electrical Pull Boxes within north and south top of deck sidewalks (NYC Electrical (14)) were observed. No access to the interior of these boxes. There is the potential for asbestos containing duct seal to be present;
- The Bridge Inspection Report (dated July 21, 2017) was reviewed. The photographs show suspect asbestos containing tar paper on the underside of the cap beams within the interior vaults (west of Pier #1 and east of Pier #10). BIN 107581A (Ramp Y) built under the same contract has the same material that was confirmed to be asbestos containing from a previous survey (refer to Section 2.1.3 (Previous Asbestos Survey Reports Review)). The tar paper for BIN 1075819 is considered homogeneous and therefore presumed asbestos containing.

2.10 BIN 1076690 – Westchester Avenue Exit Ramp

Photograph 9: BIN 1076690 – Westchester Avenue Exit Ramp

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Brown Joint Filler** located within the joints of the barrier between the ramp and the Sheridan Expressway;
- **Beige Paint** located on the concrete parapet wall of ramp (west side);
- **Brown Paint** located on the concrete sidewall at south abutment area (west side);
- **Green Paint** associated with the structural steel girders;
- **Gray Paint** located on concrete piers (#2, #3, and #4);
- **Bearing Pad Material** located at pier bearing locations (#2, and #3);
- **Multi-Layered Paint** located at the north abutment wall and Pier #7;
- **Gray Caulk** located within the top of deck expansion joints. Non-suspect foam filler observed beneath caulk. Some joints have armored/rubber and non-suspect paper beneath;
- **Joint Filler** located within the joints of the concrete barriers of the ramp (east side), south of south abutment only. Joints are closed north of south abutment.

Based on laboratory analysis results, **none** of the samples were determined to be asbestos containing.

Other Observations:

- Non-suspect wire insulation observed within lamp post junction boxes along ramp;
- No caulk observed around fence poles/plates along ramp;

- A 31" deep core was performed above the south abutment (core performed by others). No suspect asbestos containing materials observed within the core;
- 5" diameter electrical conduit observed along the underdeck. Conduit is non-suspect metal. The conduit connects to an open junction box at the north side of Pier #3. Non-suspect rubber cable insulation observed. No suspect asbestos containing materials observed in junction box;
- Corrugated metal underdeck observed;
- Large underdeck drainage pipes have no suspect asbestos containing materials;
- No access to electrical box on north abutment wall. Suspect asbestos containing materials may be present;
- No access to Pier#1 and south abutment (Pier #2 blocks access);
- Electrical Pull Boxes within ramp barrier wall (NYC Electrical (5)) were observed. No access to the interior of these boxes. There is the potential for asbestos containing duct seal to be present.

2.11 BIN 2066671 – Eastern Boulevard Bridge

Photograph 10: BIN 2066671 – Eastern Boulevard Bridge (westbound lanes of the Bruckner Expressway over the Bronx River)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Gray Paint** located on the parapet wall;
- **Gray Paint** located on the railing along the sidewalk;
- **Blue Paint** associated with the structural steel beams;
- **Bituminous Joint Caulk** located within the sidewalk joints of the west and east approaches;
- **Caulk** located within the joints of the east approach sidewalk (no joint filler beneath);

- **Tar** located within the joints of the east approach sidewalk.

Based on laboratory analysis results, **none** of the samples were determined to be asbestos containing.

Other Observations:

- Con Edison manhole cover was observed in east approach sidewalk;
- Un-identified cover observed in east approach sidewalk. No access. May be a repair cover;
- Non-suspect wire insulation observed within lamp post junction boxes along sidewalk;
- No caulk observed around railing base plates along top of deck;
- Armored/rubber filled expansion joints observed;
- Non-suspect mortar observed in parapet joints;
- Electrical Pull Box within top of deck sidewalk (NYC Electrical (1)) were observed. No access to the interior of this box. There is the potential for asbestos containing duct seal to be present;
- Control towers are not part of the scope of work and therefore were not investigated;
- Below deck is not part of the scope of work (structure and mechanical systems not investigated).

2.12 BIN 2066672 – Eastern Boulevard Bridge

Photograph 11: BIN 2066672 – Eastern Boulevard Bridge (eastbound lanes of the Bruckner Expressway over the Bronx River)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Blue Paint** associated with the structural steel beams;
- **Gray Paint** located on the railing along the sidewalk;

- **Beige Paint** located on the parapet wall.

Based on laboratory analysis results, **none** of the samples were determined to be asbestos containing.

Other Observations:

- Non-suspect wire insulation observed within lamp post junction boxes along sidewalk;
- No caulk observed around railing base plates along top of deck;
- Armored/rubber filled expansion joints observed (some joints have non-suspect foam filler);
- No open joints in top of deck sidewalks observed;
- No suspect asbestos containing materials observed at curbs;
- Control towers are not part of the scope of work and therefore were not investigated;
- Below deck is not part of the scope of work (structure and mechanical systems not investigated).

2.13 BIN 2075351 – Railroad Crossing

Photograph 12: BIN 2075351 – Railroad Crossing (westbound lanes of Bruckner Boulevard and the Bruckner Expressway over Amtrak/CSX)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Beige Paint** located on the concrete parapet wall and roadway barriers;
- **Joint Caulk** located within vertical barrier joints of the barrier between the sidewalk and the roadway;

- **Joint Filler** located within vertical barrier joints of the barrier between the sidewalk and the roadway (beneath the joint caulk);
- **Caulk** located within the sidewalk joints and joint running along the base of the parapet wall;
- **Blue Paint** located on the structural steel bridge;
- **Gray Caulk** located within the vertical joints of the roadway barriers, left lane;
- **Joint Filler** located within the joints at the top of the barriers (under the gray caulk), left lane;
- **Beige Coating** located at the concrete barrier joints of the left lane;
- **Beige Caulk** located at the base of the concrete barrier wall of the left lane;
- **Black Sealant** located along the barrier wall of the left lane;
- **Glossy Tar** located along the barrier wall of the left lane.

Based on laboratory analysis results, **none** of the samples were determined to be asbestos containing.

Other Observations:

- Non-suspect wire insulation observed within lamp post junction boxes along sidewalk;
- No caulk observed around fence base plates on top of parapet wall;
- No suspect asbestos containing materials in vertical joints of parapet wall;
- Non-suspect foam filler observed within top of deck expansion joints;
- Fenced-in area preventing access to old parapet and sidewalk area. Water main observed along top of deck in fenced-in area. No suspect asbestos containing materials visible;
- No access to track level. No suspect asbestos containing materials anticipated based upon the review of the as-built drawings for Contract No. HBX1123 (approved 2013). Asbestos containing materials were abated and major elements of the bridge were completely reconstructed. Refer to Section 2.1.1 (Record Plan Review);
- Supplemental survey information for this bridge structure is provided in Section 2.1.3 (Previous Asbestos Survey Reports Review). The survey report noted that bearing pads were not observed, bond breaker was not observed, and no other suspect asbestos containing materials were observed on the walls of the abutments. This survey was the basis for the asbestos design information that was included in the as-built drawings for Contract No. HBX1123 discussed above;
- The Bridge Inspection Report (dated October 27, 2016) was reviewed. No suspect asbestos containing materials noted. Photographs do not show any suspect materials.

2.14 BIN 2075352 – Railroad Crossing

Photograph 13: BIN 2075352 – Railroad Crossing (eastbound lanes of Bruckner Boulevard and the Bruckner Expressway over Amtrak/CSX)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Joint Filler** located on the southeast parapet corner only;
- **Joint Caulk** located within the sidewalk joints;
- **Joint Filler** located within the sidewalk joints (beneath the joint caulk);
- **Beige Paint** located on the concrete parapet wall;
- **Glossy Tar** located along the barrier wall of the left lane.

Based on laboratory analysis results, **none** of the samples were determined to be asbestos containing.

Other Observations:

- Non-suspect wire insulation observed within lamp post junction boxes along sidewalk;
- Open joints in sidewalk parapet wall are filled with non-suspect foam filler;
- Non-suspect foam filler observed in jersey barrier joints (separating roadway from sidewalk);
- No caulk observed around fence base plates on top of parapet wall;
- Water manhole cover observed in sidewalk;
- No access to track level. No suspect asbestos containing materials anticipated based upon the review of the as-built drawings for Contract No. HBX1123 (approved 2013). Asbestos containing materials were abated and major elements of the bridge were completely reconstructed. Refer to Section 2.1.1 (Record Plan Review);

- Supplemental survey information for this bridge structure is provided in Section 2.1.3 (Previous Asbestos Survey Reports Review). The survey report noted that bearing pads were not observed, bond breaker was not observed, and no other suspect asbestos containing materials were observed on the walls of the abutments. This survey was the basis for the asbestos design information that was included in the as-built drawings for Contract No. HBX1123 discussed above;
- The Bridge Inspection Report (dated October 28, 2016) was reviewed. No suspect asbestos containing materials noted. Photographs do not show any suspect materials.

2.15 BIN 2076929 – Railroad Crossing

Photograph 14: BIN 2076929 – Railroad Crossing (eastbound and westbound lanes of the Bruckner Expressway over CSX)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Joint Filler** located at the corner of the parapet wall, south side of bridge, top of deck;
- **Black Bituminous Caulk** located within the curb joints on the north side of bridge, top of deck;
- **Black Caulk** located at the base of the parapet wall and along the parapet sidewall, south side of bridge, top of deck. No similar caulk present at base of north parapet wall;
- **Beige Paint** located on the concrete parapet wall, north side of bridge, top of deck;
- **Dark Brown Joint Filler** located within the joints of the north sidewalk, top of deck (east and west joints);
- **Sidewalk Tar** located on the north sidewalk, top of deck;
- **Joint Caulk** located within joints of the roadway median, north side of bridge, top of deck;
- **Joint Filler** located within joints of the roadway median, north side of bridge, top of deck;

- **Joint Filler** located at the street drain, north side of bridge, top of deck.

Based on laboratory analysis results, **none** of the samples were determined to be asbestos containing.

Other Observations:

- Non-suspect wire insulation observed within lamp post junction boxes along south sidewalk. Similar junction boxes on the north sidewalk were not accessible (assumed the same as south sidewalk).
- No caulk observed around railing base plates at railings of east side approach (south and north sides of bridge);
- No caulk observed around fence base plates on top of south and north parapet walls;
- Water manhole cover observed in south sidewalk;
- No open joints in south and north parapet walls;
- Con Edison manhole cover observed in north sidewalk area;
- Sewer manhole cover observed in the vicinity of the north side of the bridge (not on the actual bridge);
- NYC Electrical pull box observed in westbound roadway (may have asbestos containing duct seal present)
- No access to track level. The Bridge Inspection Report (dated August 21, 2017) was reviewed with the following noted:
    - Abutment walls and underdeck/ceiling are un-painted concrete;
    - Longitudinal joints in abutments (including underdeck/ceiling) and sidewalls may have joint caulk and/or joint filler present. These materials, if present, are assumed to be asbestos containing.

2.16 BIN 2241210 – Bryant Avenue Bridge over CSX

Photograph 15: BIN 2241210 – Bryant Avenue Bridge over CSX

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Thin Caulk** located within the sidewalk joints (over non-suspect foam filler);

Based on laboratory analysis results, **none** of the samples were determined to be asbestos containing.

Other Observations:

- No caulk observed around guard rail and fence base plates along top of deck;
- No suspect asbestos containing materials observed at curbs;
- Dark band around top of deck expansion joints is concrete;
- Fenced in area with two (2) large pipes crossing the bridge. These are new water mains as per the March 02, 2016 Bridge Inspection Report. All materials look new and non-suspect;
- WSNY manhole covers (2) observed within approach to bridge. They most likely connect to the new water mains;
- No access to track level. The Bridge Inspection Report (dated March 02, 2016) was reviewed with the following noted:
    - Entire superstructure, bridge seats, and top of deck elements have been replaced since the previous 2014 Biennial Inspection under Contract HBX1152;
    - Begin and End abutment deck joints have been replaced;
    - Begin and End abutment backwalls have been replaced;
    - Begin and End abutment bearings and bridge seat have been replaced;

- Sidewalk, curbs, concrete wearing surface, guide railings, bridge railings, and lighting have been replaced;
- Two 12" diameter water main pipes at the top of deck along the right sidewalk have been newly installed;
- The photos in the inspection report did not appear to show any open joints within the walls of the abutments;
- No suspect asbestos containing materials are anticipated at track level based upon the review of the inspection report and included photographs.

2.17 Block 2759, Lot 20

Photograph 16: Block 2759, Lot 20 (1375 Garrison Avenue)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Aircell Pipe Insulation (3"-6" outside diameters)** located in the Meter Room, the Open Area (outside the Meter Room), by the electrical panel near the Locker Room, in the Boiler Room (including debris under staircase), and in the 2nd floor area;
- **Door Insulation** located within the door at the top of the stairs (2nd floor);
- **Gypsum Wall Board** located within the Meter Room (material homogeneous to the same wall and ceiling material in the corridor, bathrooms, and electrical room);
- **Joint Compound (associated with gypsum wall board)** located within the Meter Room (material homogeneous to the same wall and ceiling material in the corridor, bathrooms, and electrical room);
- **Wall Tape (associated with gypsum wall board)** located within the Meter Room (material homogeneous to the same wall and ceiling material in the corridor, bathrooms, and electrical room);
- **Gypsum Board (ceiling)** located within the Meter Room (no tape, no joint compound observed);
- **Ceiling Plaster (white coat and brown coat)** located in the Men's bathroom and Women's bathroom;
- **Cementitious Cove Base (white coat and gray coat)** located in the Men's bathroom and Women's bathroom;

- **Ceramic Wall Tile Adhesive** located in the Men's bathroom and Women's bathroom (no grout present);
- **1"x1" Ceramic Floor Tile Mortar** located in the Men's bathroom and Women's bathroom;
- **1"x1" Ceramic Floor Tile Grout** located in the Men's bathroom and Women's bathroom;
- **Door Insulation** located within the dumb waiter door on the 2nd floor (1st floor dumb waiter door covered by plywood – the insulation is assumed to be the same);
- **Door Insulation (paper)** located within the door from the main office to the warehouse and east side main office door;
- **Wall Plaster** located on the wall separating the warehouse/open area from the meter room, bathrooms, and electrical room;
- **Gypsum Board Ceiling** located in the Open Area/Warehouse (south area);
- **12"x12" Vinyl floor Tile** located in the corridor;
- **Yellow Adhesive associated with the 12"x12" Vinyl Floor Tile** located in the corridor;
- **Ceiling Tile** located in the corridor;
- **Boiler Insulation (remnant)** located in the boiler room;
- **Gray Breech Patch** located in the boiler room (associated with the new boiler);
- **Large Mud Joint Packing** located in the boiler room (at the top of the staircase);
- **Beige 12"x12" Vinyl Floor Tile with inseparable yellow adhesive** located in the main office. The same tiles are present in the locked office (at the end of the corridor);
- **Suspended Ceiling Tile (with pinholes)** located in the main office. The same tiles are present in the locked office (at the end of the corridor);
- **Surface Wall Stucco** located in the Open Area/Warehouse (north side);
- **Ceiling Plaster** located in the Open Area/Warehouse (north side), below 2nd floor;
- **Wall Mastic (roofing residue)** located around the perimeter of the 2nd floor wall;
- **Gypsum Board** located in the Attic (above 2nd floor);
- **Gypsum Board Ceiling** located on the 2nd floor;
- **Gypsum Wall Board** located on the 2nd floor;
- **Exterior Wall Stucco** located on the outside surface of the building;
- **1'x1' Ceiling Tile** above suspended ceiling located in the locked office (at the end of the corridor);
- **Mastic associated with 1'x1' Ceiling Tile** above suspended ceiling located in the locked office (at the end of the corridor);
- **Cove Base Molding (with inseparable adhesive)** located in the corridor;
- **Gypsum Board (ceiling)** located in the main office (above suspended ceiling);
- **Gypsum Wall Board** located in the small office at entrance (opposite the main office).

Based on laboratory analysis results, the **aircell pipe insulation** and the **wall mastic (roofing residue)** were determined to be **asbestos containing**.

Other Observations:

- Although samples collected separately at different locations, the gypsum board appears to be the same throughout the building;
- Wire insulation was checked at various locations throughout the building and observed to be non-suspect vinyl/rubber;
- The electrical room contains a locked Con Edison power panel and two (2) locked disconnect switch boxes. These boxes may contain asbestos containing arc shields, cable wrap, backing board, etc;
- The boiler room has seven (7) flanges present that may have asbestos containing gaskets (approx. 0.5 SF each);

- No fireproofing observed throughout the building;
- No suspect asbestos containing materials associated with exterior doors and frames were observed. However, suspect asbestos containing fabric flashing (and mastic) or suspect asbestos containing rust inhibitor may potentially be present on door (including roll-ups) and window lintels behind face brick.

Door Inspections:

- Doors were inspected to determine if suspect asbestos containing insulation was present within each door. The following is a summary:

Cellar and Ground Floor

- Boiler Room: Metal clad wood core (non-suspect);
- Bathroom – Men's: Wood – hollow (non-suspect);
- Bathroom – Women's: Wood – hollow (non-suspect);
- Closet adj to Bathroom: Wood – hollow (non-suspect);
- Meter Room: Hard wood core (non-suspect);
- Locker Room: Wood – hollow (non-suspect);
- West Corridor Door #1: Wood – hollow (non-suspect);
- West Corridor Door #2: Wood – hollow (non-suspect);
- South end vestibule: Hard wood core (non-suspect);
- South end locked office: Metal clad wood core (non-suspect);
- South end office Bathroom: Wood - hollow (non-suspect);
- South end corridor -exit: Metal door - fiberglass insulation (non-suspect);
- Main office - south door: Glass inset hard wood core (non-suspect);
- Main office - north door: Wood core (non-suspect);
- Main office – west door: Metal clad wood – paper insulation (bulk samples collected – not asbestos)
- Main Entrance- east door: Metal - fiberglass insulation (non-suspect);
- Small north office: Wood door (non-suspect);
- Dumb Waiter doors (2 panels): Metal - aircell insulation (homogeneous to 2nd floor doors – not asbestos);

2nd Floor

- Top of staircase door: Metal with gypsum insulation (bulk samples collected – not asbestos);
- North End small door: Wood (non-suspect);
- Dumb Waiter doors (2 panels): Metal – aircell insulation (bulk samples collected – not asbestos).

2.18 Block 2761, Lot 224

Photograph 17: Block 2761, Lot 224 (1376 Garrison Avenue)

933 Edgewater Rd (Ochun Auto Repair)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Linoleum (brown wood grained) with inseparable adhesive** located in the Mezzanine office floor (top layer);
- **Linoleum (blue-gray) with inseparable adhesive** located in the Mezzanine office floor (below top layer, over wood substrate);
- **Cove Base (gray)** located in the Mezzanine office;
- **Adhesive for Cove Base (gray)** located in the Mezzanine office;
- **Ceiling Tile (suspended – 2'x4')** located in the Mezzanine office;
- **Gypsum Board** located on the walls in the Mezzanine office, Mezzanine bathroom, and Mezzanine - middle room. Same gypsum board is present in the side room (accessed from street);
- **Joint Compound** located on the walls in the Mezzanine office and Mezzanine bathroom. Not observed on Mezzanine - middle room walls. Joint tape throughout mezzanine was observed to be non-suspect fiberglass;
- **Linoleum (peach colored) with inseparable adhesive – patch area** located in side room (accessed from street);
- **12x12 Floor Tile (gray) with inseparable adhesive – top layer** located in side room (accessed from street);
- **9x9 Floor Tile (green) - beneath gray tile and over wood substrate** located in side room (accessed from street);
- **Black Mastic/Tar Paper (inseparable) associated with 9x9 Floor Tile (green) - beneath gray tile and over wood substrate** located in side room (accessed from street);
- **Mortar** located in garage area associated with cinderblock and brick walls;
- **Glazing** located on exterior window panes;
- **Door Insulation (aircell)** located within the ground level bathroom door.

Based on laboratory analysis results, the **door insulation (aircell)** was determined to be **asbestos containing**.

Other Observations:

- Above the mezzanine office suspended ceiling tile is a wood deck ceiling with no fireproofing observed;
- A non-suspect metal conduit was observed above the mezzanine office suspended ceiling;
- Doors to the office and other mezzanine areas are wood;
- No suspect asbestos containing materials in the ground floor level bathroom (concrete floor, concrete ceiling, concrete walls, and metal pipes;
- No suspect asbestos containing materials in the room below the mezzanine office (concrete floor, concrete ceiling, and concrete walls. The door to this room has a metal exterior with non-suspect wood interior;
- No suspect asbestos containing materials associated with roll-up doors and exterior doors were observed. However, suspect asbestos containing fabric flashing (and mastic) or suspect asbestos containing rust inhibitor may potentially be present on door (including roll-ups) and window lintels behind face brick.
- Crawlspace below side room (accessed from street) is empty with some debris and no suspect materials;
- Exterior fire door to side room has non-suspect fiberglass insulation;
- House wire insulation in side room is non-suspect vinyl/rubber;
- House wire insulation in garage is non-suspect vinyl/rubber;
- Exterior fire door (entrance) near ground level bathroom has non-suspect wood insulation.

<u>935 Edgewater Rd (Owner Building)</u>

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Mortar** located in garage area associated with cinderblock walls;
- **Gypsum Board** located at the garage ceiling. Above the ceiling, wood beams and plywood were observed (no fireproofing);
- **9x9 Green Floor Tile** located in the office;
- **Mastic associated with 9x9 Green Floor Tile** located in the office;
- **Wallboard** located in the office (non-suspect fiberglass insulation was observed behind the wallboard);
- **Gypsum Board** located at the office ceiling.

Based on laboratory analysis results, the **9x9 green floor tile** and the **mastic (associated with the 9x9 green floor tile)** were determined to be **asbestos containing**.

Other Observations:

- Wire insulation in office is non-suspect vinyl/rubber;
- Office ceiling tiles are composed of non-suspect Styrofoam;
- No suspect asbestos containing materials in the bathroom (concrete floor, concrete ceiling, concrete walls, and wood paneling on some walls);
- Interior door to office is wood;

- No suspect asbestos containing materials associated with roll-up doors and exterior doors were observed. However, suspect asbestos containing fabric flashing (and mastic) or suspect asbestos containing rust inhibitor may potentially be present on door (including roll-ups) and window lintels behind face brick.

1376 Garrison Ave (Food Market)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Ceiling Plaster** located at the storage area ceiling at a portion of the ceiling on the east side of the room (gypsum board is located at the center and west sections of the ceiling). The ceiling plaster is homogeneous to the plaster located at the main warehouse area ceiling;
- **Gypsum Board** located on the bathroom and office walls;
- **Joint Compound** located on the bathroom and office walls;
- **Joint Tape** located on the bathroom and office walls;
- **Ceramic Wall Tile Grout** located on the wall of the bathroom;
- **Ceramic Wall Tile Mortar** located on the wall of the bathroom;
- **Ceramic Floor Tile Grout** located on the floor of the bathroom;
- **Ceramic Floor Tile Mortar** located on the floor of the bathroom;
- **Ceiling Tile (suspended)** located in the office;
- **Ceramic Floor Tile Grout** located on the floor of the office;
- **Ceramic Floor Tile Mortar** located on the floor of the office;
- **Mortar** located in warehouse area associated with cinderblock and brick walls;
- **Gypsum Board** located at the center and west sections of the storage area ceiling.

Based on laboratory analysis results, the **none** of the samples were determined to be asbestos containing.

Other Observations:

- No suspect asbestos containing materials observed at the heating unit hanging from the ceiling;
- All interior doors are non-suspect wood;
- No suspect asbestos containing materials observed in the sump pit outside of the bathroom;
- Electrical panels were observed to have non-suspect plastic components and non-suspect wire insulation;
- No suspect asbestos containing materials associated with roll-up doors and exterior doors were observed. However, suspect asbestos containing fabric flashing (and mastic) or suspect asbestos containing rust inhibitor may potentially be present on door (including roll-ups) and window lintels behind face brick.

2.19 Retaining Walls within Amtrak Right-of-Way

Photograph 18: Typical Retaining Wall along Amtrak Right-of-Way

<u>Retaining Walls from East 149th Street to East 156th Street (including Leggett Avenue)</u>

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Beige Caulk** located within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level);
- **Joint Filler** located within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level);
- **White Caulk** located within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level);
- **Black Caulk** running along the base of the parapet wall between the parapet and sidewalk.

Based on laboratory analysis results, the **beige caulk** and the **white caulk** were determined to be **asbestos containing**.

Other Observation:

- No suspect asbestos containing materials associated with concrete drains were observed.
- Old demolished abutment from former East 156th Street bridge was observed. Non-suspect mortar was observed within the abutment wall joints. No suspect asbestos containing materials were

observed as associated with the abutment.

From East 156th Street to Longwood Avenue

- All fencing was observed (near roadway); no retaining walls (just an embankment);
- No suspect asbestos containing materials were observed. No bulk samples were collected.

From Longwood Avenue to Lafayette Avenue

- All fencing was observed; no retaining walls;
- No suspect asbestos containing materials were observed. No bulk samples were collected.

Retaining Walls from Lafayette Avenue to Tiffany Street

- Former Con Edison substation is present at this location. Only the foundation is present;
- Concrete foundation with no mortar and no caulks observed;
- Partial brick wall at north end of foundation. No suspect asbestos containing materials were observed;
- Remnants of a chimney was observed. No suspect asbestos containing materials were observed;
- Concrete retaining wall from substation to Tiffany Street. No suspect asbestos containing materials were observed. No bulk samples were collected.

Retaining Walls from Tiffany Street to Barretto Street

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Gray Caulk** located within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level);
- **Joint Filler** located within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level);
- **Tar** located around retaining wall drains.

Based on laboratory analysis results, the **caulk** was determined to be **asbestos containing**.

Other Observation:

- No retaining wall from Tiffany Street to Pier 132 (just rock formations);
- Retaining wall from Pier 132 to Barretto Street (see above for materials observed).
- Black Caulk was observed running along the base of the parapet wall between the parapet and sidewalk. This material is homogeneous to the black caulk sampled and found to be non-asbestos containing (see East 149th Street to East 156th Street above).

Retaining Walls from Barretto Street to Faile Street (including Hunts Point Avenue)

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Gray Caulk** located within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level);

- **Joint Filler** located within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level);
- **Beige Caulk (newer caulk)** located within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level).

Based on laboratory analysis results, both of the **caulks** were determined to be **asbestos containing**.

Other Observation:

- Drain tar was observed to be homogeneous to the tar sampled between Faile Street to Bryant Avenue.
- Black Caulk was observed running along the base of the parapet wall between the parapet and sidewalk. This material is homogeneous to the black caulk sampled and found to be non-asbestos containing (see East 149th Street to East 156th Street above).

<u>Retaining Walls from Faile Street to Bryant Avenue</u>

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Gray Caulk** located within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level);
- **Joint Filler** located within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level);
- **Tar** located around retaining wall drains.

Based on laboratory analysis results, the **caulk** and the **tar** were determined to be **asbestos containing**.

Other Observations:

- Black Caulk was observed running along the base of the parapet wall between the parapet and sidewalk. This material is homogeneous to the black caulk sampled and found to be non-asbestos containing (see East 149th Street to East 156th Street above).

<u>Retaining Walls from Bryant Avenue to Railroad Bridge</u>

Bulk samples were collected from various suspect asbestos containing materials as follows:

- **Gray Caulk** located within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level);
- **Joint Filler** located within the vertical joints of the retaining walls and the vertical joints at the retaining wall piers/columns (extending up to the top of the parapets at sidewalk level).

Based on laboratory analysis results, the **caulk** was determined to be **asbestos containing**.

Other Observations:

- Drain tar was observed to be homogeneous to the tar sampled between Faile Street to Bryant Avenue.

- Black Caulk was observed running along the base of the parapet wall between the parapet and sidewalk. This material is homogeneous to the black caulk sampled and found to be non-asbestos containing (see East 149th Street to East 156th Street above).

According to the NYSDOT "The Environmental Manual 4.4.19 Asbestos Management", Section 4.4.19.5.2, Asbestos Assessment and Quantification, page 14, paragraph titled "Asbestos Modified Asphalt Concrete Pavement", states that "if the record plans for projects involving disturbance of pavement indicate that an asbestos modified asphalt concrete was used (under experimental item 51 EX or other special asphalt items), **then** the pavement should be sampled and analyzed to determine asbestos confirmation."

Our review of the as-built plans for these bridge structures did **not** identify the use of experimental asbestos asphalt, therefore no samples were taken.

EPM inspected and sampled materials which were observable, with the potential to be impacted by the rehabilitation activities. There is the possibility that additional suspect asbestos containing materials are present within concealed or inaccessible spaces that have not been identified. Any suspect asbestos containing materials encountered during the course of the demolition work which have not been tested, must be assumed asbestos containing, until laboratory analysis indicates otherwise.

A summary of asbestos containing material identified during the survey of these structures, along with a description, and quantity for each asbestos containing material identified, is presented in Table 1. A list of the sampled suspect materials, along with the associated laboratory analysis results can be found in Table 2. Asbestos sample locations are provided in Appendix B. Available photographs of identified ACM are provided in Appendix C.

3.0 LABORATORY ANALYSIS

3.1 Analytical Procedures

The suspect asbestos bulk samples were delivered to the following accredited Environmental Laboratory Accreditation Program (ELAP) and National Voluntary Laboratory Accreditation Program (NVLAP) Laboratory:

- ALPHA LABS LLC, located at 14-26 28th Avenue, Long Island City, New York. This laboratory is accredited by the New York State Environmental Laboratory Accreditation Program (ELAP # 11833), and the National Voluntary Laboratory Accreditation Program (NVLAP# 200691-0);

The samples were analyzed by Polarized Light Microscopy (PLM). Bulk Sample analysis is accomplished by using a polarized light microscope equipped with dispersion staining as described by the Interim Method for the Determination of Asbestos in Bulk Insulation, Federal Register/Volume 47, No. 103/May 27, 1987. This method of analysis involves the immersion of a suspect material in a solution of known refractive index and the subjection to illumination by polarized light. The resulting color display enables mineral identification.

According to ELAP guidelines, quantitative TEM analysis is the only method that can be used to determine if non-friable organically bound materials (NOBs) can be considered non-asbestos containing. Therefore, samples qualified as NOBs and inconclusive by PLM, require TEM confirmation.

Samples in a homogeneous group are analyzed until either the entire group is analyzed (all the results are negative) or a positive result is obtained. When a positive result occurs, the remaining samples in the group do not require analysis.

3.2 Summary of Analytical Results

A summary of the analytical results for the suspect asbestos bulk samples collected is presented on Table 2, at the end of this section. The laboratory analysis reports are included in Appendix A.

Table 2 - Asbestos Sample Laboratory Analysis Results

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
BIN 106666E: Ramp RE				
106666E-1A	**Within joints of south facing retaining wall (at wall 0/1)**	**Off-White Brittle Caulk**	**6.0% Chrysotile**	
106666E-1B	**Within joints of south facing retaining wall (at wall 1/2)**	**Off-White Brittle Caulk**	**NA/PS**	
106666E-1C	**Within joints of south facing retaining wall (at wall 2/3)**	**Off-White Brittle Caulk**	**NA/PS**	
106666E-2A	Within joints of south facing retaining wall (at wall 0/1)	Black Joint Filler	NAD Inconclusive	Trace Chrysotile
106666E-2B	Within joints of south facing retaining wall (at wall 1/2)	Black Joint Filler	Trace Inconclusive	Trace Chrysotile
106666E-2C	Within joints of south facing retaining wall (at wall 3/4)	Black Joint Filler	NAD Inconclusive	NAD
106666E-3A	On structural steel beams	Green Paint	NAD Inconclusive	NAD
106666E-3B	On structural steel beams	Green Paint	NAD Inconclusive	NAD
106666E-3C	On structural steel beams	Green Paint	NAD Inconclusive	NAD
106666E-4A	At abutment wall	Gray Paint	NAD Inconclusive	NAD
106666E-4B	At abutment wall	Gray Paint	NAD Inconclusive	NAD
106666E-4C	At Pier #1	Gray Paint	NAD Inconclusive	NAD
106666E-5A	At south facing retaining wall	Gray Paint	NAD Inconclusive	NAD
106666E-5B	At south facing retaining wall	Gray Paint	NAD Inconclusive	NAD
106666E-5C	At south facing retaining wall	Gray Paint	NAD Inconclusive	NAD
106666E-6A	Within expansion joint of ramp, top of deck	Joint Caulk	NAD Inconclusive	NAD
106666E-6B	Within expansion joint of ramp, top of deck	Joint Caulk	NAD Inconclusive	NAD
106666E-6C	Within expansion joint of ramp, top of deck	Joint Caulk	NAD Inconclusive	NAD

Sample I.D.	Sampling Location	Sample Description	Asbestos Content PLM	Asbestos Content TEM
106666E-7A	**Around base plates of original railings (at approach to ramp only)**	**Railing Base Caulk**	**3.5% Chrysotile**	
106666E-7B	**Around base plates of original railings (at approach to ramp only)**	**Railing Base Caulk**	**NA/PS**	
106666E-7C	**Around base plates of original railings (at approach to ramp only)**	**Railing Base Caulk**	**NA/PS**	
BIN 106666F: Ramp M				
106666F-1A	At Pier #2 bearing location	Bearing Pad	NAD Inconclusive	NAD
106666F-1B	At Pier #3 bearing location	Bearing Pad	NAD Inconclusive	NAD
106666F-1C	At abutment bearing location	Bearing Pad	NAD Inconclusive	NAD
106666F-2A	Within joints of retaining wall (upper half of joint)	Dark Brown Joint Filler	NAD Inconclusive	NAD
106666F-2B	Within joints of retaining wall (lower half of joint)	Dark Brown Joint Filler	NAD Inconclusive	NAD
106666F-2C	Within joints of retaining wall (lower half of joint)	Dark Brown Joint Filler	NAD Inconclusive	NAD
106666F-3A	**At retaining wall drain**	**Black Joint Filler**	**1.7% Chrysotile**	
106666F-3B	**At retaining wall drain**	**Black Joint Filler**	**NA/PS**	
106666F-3C	**At retaining wall drain**	**Black Joint Filler**	**NA/PS**	
106666F-4A	At Pier #2	Gray Paint	NAD Inconclusive	NAD
106666F-4B	At retaining wall	Gray Paint	NAD Inconclusive	NAD
106666F-4C	At retaining wall	Gray Paint	NAD Inconclusive	NAD
106666F-5A	On structural steel beam	Green Paint	NAD Inconclusive	NAD
106666F-5B	On structural steel beam	Green Paint	NAD Inconclusive	NAD

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
106666F-5C	On Pier #3 drainage pipe	Green Paint	NAD Inconclusive	NAD
BIN 106666G: Ramp P				
106666G-1A	On structural steel beam	Green Paint	NAD Inconclusive	NAD
106666G-1B	On structural steel beam	Green Paint	NAD Inconclusive	NAD
106666G-1C	On Pier #2 drainage pipe	Green Paint	NAD Inconclusive	NAD
106666G-2A	At Pier #2	Gray Paint	NAD Inconclusive	NAD
106666G-2B	At Pier #2	Gray Paint	NAD Inconclusive	NAD
106666G-2C	At Pier #1	Gray Paint	NAD Inconclusive	NAD
106666G-3A	Over base of bearing plate, Pier #2	White Coating	NAD Inconclusive	NAD
106666G-3B	Over base of bearing plate, Pier #2	White Coating	NAD Inconclusive	NAD
106666G-3C	Over base of bearing plate, Pier #1	White Coating	NAD Inconclusive	NAD
106666G-4A	At Pier #2 bearing location	Black Bearing Pad	NAD Inconclusive	NAD
106666G-4B	At Pier #2 bearing location	Black Bearing Pad	NAD Inconclusive	NAD
106666G-4C	At Pier #1 bearing location	Black Bearing Pad	NAD Inconclusive	NAD
106666G-5A	Within joints of north side of retaining wall	Brown Joint Filler	NAD Inconclusive	NAD
106666G-5B	Within joints of north side of retaining wall	Brown Joint Filler	NAD Inconclusive	NAD
106666G-5C	Within joints of north side of retaining wall	Brown Joint Filler	NAD Inconclusive	NAD
106666G-6A	On the north side of retaining wall	Gray Paint	NAD Inconclusive	NAD
106666G-6B	On the north side of retaining wall	Gray Paint	NAD Inconclusive	NAD

Sample I.D.	Sampling Location	Sample Description	Asbestos Content PLM	Asbestos Content TEM
106666G-6C	On the north side of retaining wall	Gray Paint	NAD Inconclusive	NAD
106666G-7A	**Within joints of north side of retaining wall (wall 1-2)**	**Gray Brittle Caulk**	**5.1% Chrysotile**	
106666G-7B	**Within joints of north side of retaining wall (wall 2-3)**	**Gray Brittle Caulk**	**NA/PS**	
106666G-7C	**Within joints of north side of retaining wall (wall 3-4)**	**Gray Brittle Caulk**	**NA/PS**	
106666G-8A	**North side of retaining wall, at drain #3 from east side**	**Black Joint Filler**	**2.7% Chrysotile**	
106666G-8B	**North side of retaining wall, at drain #6 from east side**	**Black Joint Filler**	**NA/PS**	
106666G-8C	**North side of retaining wall, at drain #8 from east side**	**Black Joint Filler**	**NA/PS**	
106666G-9A	Within expansion joint of ramp, top of deck	Joint Caulk	NAD Inconclusive	NAD
106666G-9B	Within expansion joint of ramp, top of deck	Joint Caulk	NAD Inconclusive	NAD
106666G-9C	Within expansion joint of ramp, top of deck	Joint Caulk	NAD Inconclusive	NAD
BIN 106666H: Ramp N				
106666H-1A	At Pier #2	Gray Paint	NAD Inconclusive	NAD
106666H-1B	At Pier #2	Gray Paint	NAD Inconclusive	NAD
106666H-1C	At Pier #3	Gray Paint	NAD Inconclusive	NAD
106666H-2A	At Pier #3 bearing location	Black Bearing Pad	NAD Inconclusive	NAD
106666H-2B	At Pier #3 bearing location	Black Bearing Pad	NAD Inconclusive	NAD
106666H-2C	At Pier #3 bearing location	Black Bearing Pad	NAD Inconclusive	NAD
106666H-3A	On structural steel beam	Green Paint	NAD Inconclusive	NAD
106666H-3B	On structural steel beam	Green Paint	NAD Inconclusive	NAD

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
106666H-3C	On structural steel beam	Green Paint	NAD Inconclusive	NAD
106666H-4A	**At abutment wall drain**	**Joint Filler**	**1.8% Chrysotile**	
106666H-4B	**At abutment wall drain**	**Joint Filler**	**NA/PS**	
106666H-4C	**At abutment wall drain**	**Joint Filler**	**NA/PS**	
106666H-5A	**Around drains on west side of retaining wall (2nd drain from west side)**	**Joint Filler**	**2.0% Chrysotile**	
106666H-5B	**Around drains on west side of retaining wall (4th drain from west side)**	**Joint Filler**	**NA/PS**	
106666H-5C	**Around drains on west side of retaining wall (4th drain from west side)**	**Joint Filler**	**NA/PS**	
106666H-6A	On the retaining wall	Gray Paint	NAD Inconclusive	NAD
106666H-6B	On the retaining wall	Gray Paint	NAD Inconclusive	NAD
106666H-6C	On the retaining wall	Gray Paint	NAD Inconclusive	NAD
106666H-7A	Within walls of ramp parapet	Joint Filler	NAD Inconclusive	NAD
106666H-7B	Within walls of ramp parapet	Joint Filler	NAD Inconclusive	NAD
106666H-7C	Within walls of ramp parapet	Joint Filler	NAD Inconclusive	NAD
106666H-8A	Within expansion joint of ramp, top of deck	Joint Caulk	NAD Inconclusive	NAD
106666H-8B	Within expansion joint of ramp, top of deck	Joint Caulk	NAD Inconclusive	NAD
106666H-8C	Within expansion joint of ramp, top of deck	Joint Caulk	NAD Inconclusive	NAD
BIN 1066669: Bruckner Expressway Viaduct				
1066669-1A	On structural steel beam of viaduct (at bearing plate)	Green Paint	NAD Inconclusive	NAD
1066669-1B	On structural steel beam of viaduct (on girder)	Green Paint	NAD Inconclusive	NAD

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
1066669-1C	On structural steel beam of viaduct (on column)	Green Paint	NAD Inconclusive	NAD
BIN 1075310: Bryant Avenue Pedestrian Bridge				
1075310-1A	At the bottom of the west stairs	Black Bituminous Caulk	NAD Inconclusive	NAD
1075310-1B	At the bottom of the west stairs	Black Bituminous Caulk	NAD Inconclusive	NAD
1075310-1C	At the bottom of the west stairs	Black Bituminous Caulk	NAD Inconclusive	NAD
1075310-2A	Within joint running along the west stairs	Black Caulk	NAD Inconclusive	NAD
1075310-2B	Within joint running along the west stairs	Black Caulk	NAD Inconclusive	NAD
1075310-2C	Within joint running along the east stairs	Black Caulk	NAD Inconclusive	NAD
1075310-3A	On structural steel parapet	Green Paint	NAD Inconclusive	NAD
1075310-3B	On structural steel railings	Green Paint	NAD Inconclusive	NAD
1075310-3C	On structural steel girders	Green Paint	NAD Inconclusive	NAD
1075310-4A	Within expansion joint above abutment	Pliable Blue/Gray Caulk	NAD Inconclusive	NAD
1075310-4B	Within expansion joint on top of bridge	Pliable Blue/Gray Caulk	NAD Inconclusive	NAD
1075310-4C	Within expansion joint on top of bridge	Pliable Blue/Gray Caulk	NAD Inconclusive	NAD
1075310-5A	Coating (patch) on the west stairs	Beige Coating	NAD Inconclusive	NAD
1075310-5B	Coating (patch) on the west stairs	Beige Coating	NAD Inconclusive	NAD
1075310-5C	Coating (patch) on the west stairs	Beige Coating	NAD Inconclusive	NAD
1075310-6A	Within joint at top of west stairs	Gray Caulk	NAD Inconclusive	NAD

Sample I.D.	Sampling Location	Sample Description	Asbestos Content PLM	Asbestos Content TEM
1075310-6B	Within joint at top of west stairs	Gray Caulk	NAD Inconclusive	NAD
1075310-6C	Within joint at top of west stairs	Gray Caulk	NAD Inconclusive	NAD
1075310-7A	At the base of the steel parapet, top of deck	Hard Gray Caulk	NAD Inconclusive	NAD
1075310-7B	At the base of the steel parapet, top of deck	Hard Gray Caulk	NAD Inconclusive	NAD
1075310-7C	At the base of the steel parapet, top of deck	Hard Gray Caulk	NAD Inconclusive	NAD
1075310-8A	West abutment wall	Gray Paint	NAD Inconclusive	NAD
1075310-8B	West abutment wall	Gray Paint	NAD Inconclusive	NAD
1075310-8C	Sidewall associated with west abutment	Gray Paint	NAD Inconclusive	NAD
1075310-9A	At west abutment bearing location	Bearing Pad	NAD Inconclusive	NAD
1075310-9B	At west abutment bearing location	Bearing Pad	NAD Inconclusive	NAD
1075310-9C	At west abutment bearing location	Bearing Pad	NAD Inconclusive	NAD
BIN 107581A: Ramp Y				
107581A-1A	Around the bolts under the black fence	Beige Coating	NAD Inconclusive	NAD
107581A-1B	Around the bolts under the black fence	Beige Coating	NAD Inconclusive	NAD
107581A-1C	Around the bolts under the black fence	Beige Coating	NAD Inconclusive	NAD
107581A-2A	**Around old fence posts in the parapet wall**	**Sealant**	**5.0% Chrysotile**	
107581A-2B	**Around old fence posts in the parapet wall**	**Sealant**	**NA/PS**	
107581A-2C	**Around old fence posts in the parapet wall**	**Sealant**	**NA/PS**	

Sample I.D.	Sampling Location	Sample Description	Asbestos Content PLM	Asbestos Content TEM
107581A-3A	**Within one joint of ramp barrier/parapet**	**Caulk**	**3.5% Chrysotile**	
107581A-3B	**Within one joint of ramp barrier/parapet**	**Caulk**	**NA/PS**	
107581A-3C	**Within one joint of ramp barrier/parapet**	**Caulk**	**NA/PS**	
107581A-4A	On the ramp sidewalk	Black Tar	NAD Inconclusive	NAD
107581A-4B	On the ramp sidewalk	Black Tar	NAD Inconclusive	NAD
107581A-4C	On the ramp sidewalk	Black Tar	NAD Inconclusive	NAD
107581A-5A	Within joint of north side of retaining wall	Black Joint Filler	NAD Inconclusive	NAD
107581A-5B	Within joint of north side of retaining wall	Black Joint Filler	NAD Inconclusive	NAD
107581A-5C	Within joint of north side of retaining wall	Black Joint Filler	NAD Inconclusive	NAD
107581A-6A	**At the top of south parapet wall (near abutment)**	**Black Mastic**	**NAD Inconclusive**	**NAD**
107581A-6B	**At the top of south parapet wall (near abutment)**	**Black Mastic**	**NAD Inconclusive**	**NAD**
107581A-6C	**At the top of south parapet wall (near abutment)**	**Black Mastic**	**4.3% Chrysotile**	
107581A-7A	At the guard rail of Bruckner Expressway abutting ramp	Black Mastic	NAD Inconclusive	NAD
107581A-7B	At the guard rail of Bruckner Expressway abutting ramp	Black Mastic	NAD Inconclusive	NAD
107581A-7C	At the guard rail of Bruckner Expressway abutting ramp	Black Mastic	NAD Inconclusive	NAD
BIN 1075819: Bruckner Expressway (over Bronx River Avenue)				
1075819-1A	Within vertical joint of the northwest sidewall (1st joint from abutment)	Gray Caulk	NAD Inconclusive	NAD
1075819-1B	Within vertical joint of the northwest sidewall (1st joint from abutment)	Gray Caulk	NAD Inconclusive	NAD

Sample I.D.	Sampling Location	Sample Description	Asbestos Content PLM	Asbestos Content TEM
1075819-1C	Within vertical joint of the northwest sidewall (2nd joint from abutment)	Gray Caulk	NAD Inconclusive	NAD
1075819-2A	Within vertical joint of the northwest sidewall (beneath gray caulk)	Joint Filler	NAD Inconclusive	NAD
1075819-2B	Within vertical joint of the northwest sidewall (beneath gray caulk)	Joint Filler	NAD Inconclusive	NAD
1075819-2C	Within vertical joint of the northwest sidewall (beneath gray caulk)	Joint Filler	NAD Inconclusive	NAD
1075819-3A	**Within vertical joint of the northwest sidewall (2nd joint from abutment)**	**Old Caulk**	**4.5% Chrysotile**	
1075819-3B	**Within vertical joint of the northwest sidewall (3rd joint from abutment)**	**Old Caulk**	**NA/PS**	
1075819-3C	**Within vertical joint of the northwest sidewall (4th joint from abutment)**	**Old Caulk**	**NA/PS**	
1075819-4A	West abutment at bearing plate (north fascia)	Bearing Pad	NAD Inconclusive	NAD
1075819-4B	West abutment at bearing plate (3rd bearing from south)	Bearing Pad	NAD Inconclusive	NAD
1075819-4C	Pier #8 at bearing plate (north fascia)	Bearing Pad	NAD Inconclusive	NAD
1075819-5A	On structural steel beams	Light Green Paint	NAD Inconclusive	NAD
1075819-5B	On structural steel beams	Light Green Paint	NAD Inconclusive	NAD
1075819-5C	On structural steel beams	Light Green Paint	NAD Inconclusive	NAD
1075819-6A	On pier columns	Gray Paint	NAD Inconclusive	NAD
1075819-6B	On pier columns	Gray Paint	NAD Inconclusive	NAD
1075819-6C	On pier columns	Gray Paint	NAD Inconclusive	NAD
1075819-7A	**On the top of the west abutment backwall**	**Bond Breaker**	**80.0% Chrysotile**	
1075819-7B	**On the top of the west abutment backwall**	**Bond Breaker**	**NA/PS**	

Sample I.D.	Sampling Location	Sample Description	Asbestos Content PLM	Asbestos Content TEM
1075819-7C	**On the top of the west abutment backwall**	**Bond Breaker**	**NA/PS**	
1075819-8A	At the horizontal expansion joint of the west abutment	Joint Filler	NAD Inconclusive	NAD
1075819-8B	At the horizontal expansion joint of the west abutment	Joint Filler	NAD Inconclusive	NAD
1075819-8C	At the horizontal expansion joint of the west abutment	Joint Filler	NAD Inconclusive	NAD
1075819-9A	In the northwest sidewall, running along the top of the brick	Compressed Joint Filler	NAD Inconclusive	NAD
1075819-9B	In the northwest sidewall, running along the top of the brick	Compressed Joint Filler	NAD Inconclusive	NAD
1075819-9C	In the northwest sidewall, running along the top of the brick	Compressed Joint Filler	NAD Inconclusive	NAD
BIN 1076690: Westchester Avenue Exit Ramp				
1076690-1A	Within joints of barrier between ramp and Sheridan Expressway	Brown Joint Filler	NAD Inconclusive	NAD
1076690-1B	Within joints of barrier between ramp and Sheridan Expressway	Brown Joint Filler	NAD Inconclusive	NAD
1076690-1C	Within joints of barrier between ramp and Sheridan Expressway	Brown Joint Filler	NAD Inconclusive	NAD
1076690-2A	On concrete parapet wall of ramp (west side)	Beige Paint	NAD Inconclusive	NAD
1076690-2B	On concrete parapet wall of ramp (west side)	Beige Paint	NAD Inconclusive	NAD
1076690-2C	On concrete parapet wall of ramp (west side)	Beige Paint	NAD Inconclusive	NAD
1076690-3A	On concrete sidewall at south abutment area (west side)	Brown Paint	NAD Inconclusive	NAD
1076690-3B	On concrete sidewall at south abutment area (west side)	Brown Paint	NAD Inconclusive	NAD
1076690-3C	On concrete sidewall at south abutment area (west side)	Brown Paint	NAD Inconclusive	NAD
1076690-4A	On structural steel girders	Green Paint	NAD Inconclusive	NAD

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
1076690-4B	On structural steel girders	Green Paint	NAD Inconclusive	NAD
1076690-4C	On structural steel girders	Green Paint	NAD Inconclusive	NAD
1076690-5A	At concrete pier (pier #2)	Gray Paint	NAD Inconclusive	NAD
1076690-5B	At concrete pier (pier #3)	Gray Paint	NAD Inconclusive	NAD
1076690-5C	At concrete pier (pier #4)	Gray Paint	NAD Inconclusive	NAD
1076690-6A	At bearing location (pier #3)	Bearing Pad Material	NAD Inconclusive	NAD
1076690-6B	At bearing location (pier #3)	Bearing Pad Material	NAD Inconclusive	NAD
1076690-6C	At bearing location (pier #2)	Bearing Pad Material	NAD Inconclusive	NAD
1076690-7A	At north abutment wall	Multi-Layered Paint	NAD Inconclusive	NAD
1076690-7B	At north abutment wall	Multi-Layered Paint	NAD Inconclusive	NAD
1076690-7C	At Pier #7	Multi-Layered Paint	NAD Inconclusive	NAD
1076690-8A	Within expansion joints (joint at south abutment)	Gray Caulk	NAD Inconclusive	NAD
1076690-8B	Within expansion joints (joint at pier #1)	Gray Caulk	NAD Inconclusive	NAD
1076690-8C	Within expansion joints (joint at pier #2)	Gray Caulk	NAD Inconclusive	NAD
1076690-9A	Within joint of concrete barrier of ramp (east side)	Joint Filler	NAD Inconclusive	NAD
1076690-9B	Within joint of concrete barrier of ramp (east side)	Joint Filler	NAD Inconclusive	NAD
1076690-9C	Within joint of concrete barrier of ramp (east side)	Joint Filler	NAD Inconclusive	NAD

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
BIN 2066671: Eastern Boulevard Bridge (WB Bruckner Expressway)				
2066671-1A	On the parapet wall	Gray Paint	NAD Inconclusive	NAD
2066671-1B	On the parapet wall	Gray Paint	NAD Inconclusive	NAD
2066671-1C	On the parapet wall	Gray Paint	NAD Inconclusive	NAD
2066671-2A	On the railing along sidewalk	Gray Paint	NAD Inconclusive	NAD
2066671-2B	On the railing along sidewalk	Gray Paint	NAD Inconclusive	NAD
2066671-2C	On the railing along sidewalk	Gray Paint	NAD Inconclusive	NAD
2066671-3A	On structural steel beam	Blue Paint	NAD Inconclusive	NAD
2066671-3B	On structural steel beam	Blue Paint	NAD Inconclusive	NAD
2066671-3C	On structural steel beam	Blue Paint	NAD Inconclusive	NAD
2066671-4A	Within the sidewalk joints (west approach)	Bituminous Joint Caulk	NAD Inconclusive	NAD
2066671-4B	Within the sidewalk joints (west approach)	Bituminous Joint Caulk	NAD Inconclusive	NAD
2066671-4C	Within the sidewalk joints (east approach)	Bituminous Joint Caulk	NAD Inconclusive	NAD
2066671-5A	Within the east approach sidewalk joint	Caulk	NAD Inconclusive	NAD
2066671-5B	Within the east approach sidewalk joint	Caulk	NAD Inconclusive	NAD
2066671-5C	Within the east approach sidewalk joint	Caulk	NAD Inconclusive	NAD
2066671-6A	Within the east approach sidewalk joint	Tar	NAD Inconclusive	NAD
2066671-6B	Within the east approach sidewalk joint	Tar	NAD Inconclusive	NAD

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
2066671-6C	Within the east approach sidewalk joint	Tar	NAD Inconclusive	NAD
BIN 2066672: Eastern Boulevard Bridge (EB Bruckner Expressway)				
2066672-1A	On structural steel beam	Blue Paint	NAD Inconclusive	NAD
2066672-1B	On structural steel beam	Blue Paint	NAD Inconclusive	NAD
2066672-1C	On structural steel beam	Blue Paint	NAD Inconclusive	NAD
2066672-2A	On the railing along sidewalk	Gray Paint	NAD Inconclusive	NAD
2066672-2B	On the railing along sidewalk	Gray Paint	NAD Inconclusive	NAD
2066672-2C	On the railing along sidewalk	Gray Paint	NAD Inconclusive	NAD
2066672-3A	On the south parapet wall	Beige Paint	NAD Inconclusive	NAD
2066672-3B	On the south parapet wall	Beige Paint	NAD Inconclusive	NAD
2066672-3C	On the south parapet wall	Beige Paint	NAD Inconclusive	NAD
BIN 2075351: Railroad Crossing (WB Bruckner Boulevard/Expressway over Amtrak)				
2075351-1A	On the concrete parapet wall	Beige Paint	NAD Inconclusive	NAD
2075351-1B	On the concrete roadway barrier	Beige Paint	NAD Inconclusive	NAD
2075351-1C	On the concrete parapet wall	Beige Paint	NAD Inconclusive	NAD
2075351-2A	Vertical barrier joints of barrier between sidewalk and roadway	Joint Caulk	NAD Inconclusive	NAD
2075351-2B	Vertical barrier joints of barrier between sidewalk and roadway	Joint Caulk	NAD Inconclusive	NAD
2075351-2C	Vertical barrier joints of barrier between sidewalk and roadway	Joint Caulk	NAD Inconclusive	NAD

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
2075351-3A	Beneath the joint caulk of the roadside barrier	Joint Filler	NAD Inconclusive	NAD
2075351-3B	Beneath the joint caulk of the roadside barrier	Joint Filler	NAD Inconclusive	NAD
2075351-3C	Beneath the joint caulk of the roadside barrier	Joint Filler	NAD Inconclusive	NAD
2075351-4A	Within sidewalk joint	Caulk	NAD Inconclusive	NAD
2075351-4B	Within sidewalk joint	Caulk	NAD Inconclusive	NAD
2075351-4C	Within the joint running along base of parapet wall	Caulk	NAD Inconclusive	NAD
2075351-5A	On the structural steel bridge	Blue Paint	NAD Inconclusive	NAD
2075351-5B	On the structural steel bridge	Blue Paint	NAD Inconclusive	NAD
2075351-5C	On the structural steel bridge	Blue Paint	NAD Inconclusive	NAD
2075351-6A	Within the vertical joints of the roadway barriers, left lane	Gray Caulk	NAD Inconclusive	NAD
2075351-6B	Within the vertical joints of the roadway barriers, left lane	Gray Caulk	NAD Inconclusive	NAD
2075351-6C	Within the vertical joints of the roadway barriers, left lane	Gray Caulk	NAD Inconclusive	NAD
2075351-7A	Within the joints at the top of the barriers (under gray caulk), left lane	Joint Filler	NAD Inconclusive	NAD
2075351-7B	Within the joints at the top of the barriers (under gray caulk), left lane	Joint Filler	NAD Inconclusive	NAD
2075351-7C	Within the joints at the top of the barriers (under gray caulk), left lane	Joint Filler	NAD Inconclusive	NAD
2075351-8A	At the concrete barrier joints of the left lane	Beige Coating	NAD Inconclusive	NAD
2075351-8B	At the concrete barrier joints of the left lane	Beige Coating	NAD Inconclusive	NAD
2075351-8C	At the concrete barrier joints of the left lane	Beige Coating	NAD Inconclusive	NAD

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
2075351-9A	At the base of the concrete barrier wall of the left lane	Beige Caulk	NAD Inconclusive	NAD
2075351-9B	At the base of the concrete barrier wall of the left lane	Beige Caulk	NAD Inconclusive	NAD
2075351-9C	At the base of the concrete barrier wall of the left lane	Beige Caulk	NAD Inconclusive	NAD
2075351-10A	Along the barrier wall of the left lane	Black Sealant	NAD Inconclusive	NAD
2075351-10B	Along the barrier wall of the left lane	Black Sealant	NAD Inconclusive	NAD
2075351-10C	Along the barrier wall of the left lane	Black Sealant	NAD Inconclusive	NAD
2075351-11A	Along the barrier wall of the left lane	Glossy Tar	NAD Inconclusive	NAD
2075351-11B	Along the barrier wall of the left lane	Glossy Tar	NAD Inconclusive	NAD
2075351-11C	Along the barrier wall of the left lane	Glossy Tar	NAD Inconclusive	NAD
BIN 2075352: Railroad Crossing (EB Bruckner Boulevard/Expressway over Amtrak)				
2075352-1A	On the southeast parapet corner	Joint Filler	NAD Inconclusive	NAD
2075352-1B	On the southeast parapet corner	Joint Filler	NAD Inconclusive	NAD
2075352-1C	On the southeast parapet corner	Joint Filler	NAD Inconclusive	NAD
2075352-2A	Within the sidewalk joints	Joint Caulk	NAD Inconclusive	NAD
2075352-2B	Within the sidewalk joints	Joint Caulk	NAD Inconclusive	NAD
2075352-2C	Within the sidewalk joints	Joint Caulk	NAD Inconclusive	NAD
2075352-3A	Beneath sidewalk caulk in the sidewalk joints	Joint Filler	NAD Inconclusive	NAD
2075352-3B	Beneath sidewalk caulk in the sidewalk joints	Joint Filler	NAD Inconclusive	NAD

Sample I.D.	Sampling Location	Sample Description	Asbestos Content PLM	Asbestos Content TEM
2075352-3C	Beneath sidewalk caulk in the sidewalk joints	Joint Filler	NAD Inconclusive	NAD
2075352-4A	On the concrete parapet wall	Beige Paint	NAD Inconclusive	NAD
2075352-4B	On the concrete parapet wall	Beige Paint	NAD Inconclusive	NAD
2075352-4C	On the concrete parapet wall	Beige Paint	NAD Inconclusive	NAD
2075352-5A	Along the barrier wall of the left lane	Glossy Tar	NAD Inconclusive	NAD
2075352-5B	Along the barrier wall of the left lane	Glossy Tar	NAD Inconclusive	NAD
2075352-5C	Along the barrier wall of the left lane	Glossy Tar	NAD Inconclusive	NAD
BIN 2076929: Railroad Crossing (EB & WB Bruckner Boulevard/Expressway over CSX)				
2076929-1A	Corner of parapet wall, south side of bridge, top of deck	Joint Filler	NAD Inconclusive	NAD
2076929-1B	Corner of parapet wall, south side of bridge, top of deck	Joint Filler	NAD Inconclusive	NAD
2076929-1C	Corner of parapet wall, south side of bridge, top of deck	Joint Filler	NAD Inconclusive	NAD
2076929-2A	Within curb joints on the north side of bridge, top of deck	Black Bituminous Caulk	NAD Inconclusive	NAD
2076929-2B	Within curb joints on the north side of bridge, top of deck	Black Bituminous Caulk	NAD Inconclusive	NAD
2076929-2C	Within curb joints on the north side of bridge, top of deck	Black Bituminous Caulk	NAD Inconclusive	NAD
2076929-3A	At the base of the parapet wall, south side of bridge, top of deck	Black Caulk	NAD Inconclusive	NAD
2076929-3B	At the base of the parapet wall, south side of bridge, top of deck	Black Caulk	NAD Inconclusive	NAD
2076929-3C	Along the parapet sidewall, south side of bridge, top of deck	Black Caulk	NAD Inconclusive	NAD
2076929-4A	On the concrete parapet wall, north side of bridge, top of deck	Beige Paint	NAD Inconclusive	NAD

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
2076929-4B	On the concrete parapet wall, north side of bridge, top of deck	Beige Paint	NAD Inconclusive	NAD
2076929-4C	On the concrete parapet wall, north side of bridge, top of deck	Beige Paint	NAD Inconclusive	NAD
2076929-5A	Within joints of the north sidewalk, top of deck (east joint)	Dark Brown Joint Filler	NAD Inconclusive	NAD
2076929-5B	Within joints of the north sidewalk, top of deck (east joint)	Dark Brown Joint Filler	NAD Inconclusive	NAD
2076929-5C	Within joints of the north sidewalk, top of deck (west joint)	Dark Brown Joint Filler	NAD Inconclusive	NAD
2076929-6A	On north sidewalk, top of deck	Sidewalk Tar	NAD Inconclusive	NAD
2076929-6B	On north sidewalk, top of deck	Sidewalk Tar	NAD Inconclusive	NAD
2076929-6C	On north sidewalk, top of deck	Sidewalk Tar	NAD Inconclusive	NAD
2076929-7A	Within joints of the roadway median, north side of bridge, top of deck	Joint Caulk	NAD Inconclusive	NAD
2076929-7B	Within joints of the roadway median, north side of bridge, top of deck	Joint Caulk	NAD Inconclusive	NAD
2076929-7C	Within joints of the roadway median, north side of bridge, top of deck	Joint Caulk	NAD Inconclusive	NAD
2076929-8A	Within joints of the roadway median, north side of bridge, top of deck	Joint Filler	NAD Inconclusive	NAD
2076929-8B	Within joints of the roadway median, north side of bridge, top of deck	Joint Filler	NAD Inconclusive	NAD
2076929-8C	Within joints of the roadway median, north side of bridge, top of deck	Joint Filler	NAD Inconclusive	NAD
2076929-9A	Street drain, north side of bridge, top of deck	Joint Filler	NAD Inconclusive	NAD
2076929-9B	Street drain, north side of bridge, top of deck	Joint Filler	NAD Inconclusive	NAD
2076929-9C	Street drain, north side of bridge, top of deck	Joint Filler	NAD Inconclusive	NAD

Sample I.D.	Sampling Location	Sample Description	Asbestos Content PLM	Asbestos Content TEM
BIN 2241210: Bryant Avenue Bridge over CSX				
2241210-1A	Within sidewalk joint (over non-suspect foam filler)	Thin Caulk	NAD Inconclusive	NAD
2241210-1B	Within sidewalk joint (over non-suspect foam filler)	Thin Caulk	NAD Inconclusive	NAD
2241210-1C	Within sidewalk joint (over non-suspect foam filler)	Thin Caulk	NAD Inconclusive	NAD
BLOCK LOT 2759, LOT 20 (1375 Garrison Avenue)				
1375-1A	**Meter room**	**Aircell Pipe Insulation (6" O.D.)**	**30.8% Chrysotile**	
1375-1B	**Meter room**	**Aircell Pipe Insulation (4" O.D.)**	**NA/PS**	
1375-1C	**Open area outside of meter room**	**Aircell Pipe Insulation (4" O.D.)**	**NA/PS**	
1375-2A	Door to top of stairs (2nd floor)	Door Insulation	NAD	
1375-2B	Door to top of stairs (2nd floor)	Door Insulation	NAD	
1375-2C	Door to top of stairs (2nd floor)	Door Insulation	NAD	
1375-3A	Meter room	Gypsum Wall Board	NAD	
1375-3B	Meter room	Gypsum Wall Board	NAD	
1375-3C	Meter room	Gypsum Wall Board	NAD	
1375-4A	Meter room	Joint Compound associated with gypsum wall board	NAD	
1375-4B	Meter room	Joint Compound associated with gypsum wall board	NAD	
1375-4C	Meter room	Joint Compound associated with gypsum wall board	NAD	
1375-5A	Meter room	Wall Tape	NAD	

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
1375-5B	Meter room	Wall Tape	NAD	
1375-5C	Meter room	Wall Tape	NAD	
1375-6A	Meter room	Gypsum Board (ceiling)	NAD	
1375-6B	Meter room	Gypsum Board (ceiling)	NAD	
1375-6C	Meter room	Gypsum Board (ceiling)	NAD	
1375-7A.1	Men's bathroom	Ceiling Plaster (white coat)	NAD	
1375-7B.1	Men's bathroom	Ceiling Plaster (white coat)	NAD	
1375-7C.1	Women's bathroom	Ceiling Plaster (white coat)	NAD	
1375-7A.2	Men's bathroom	Ceiling Plaster (brown coat)	NAD	
1375-7B.2	Men's bathroom	Ceiling Plaster (brown coat)	NAD	
1375-7C.2	Women's bathroom	Ceiling Plaster (brown coat)	NAD	
1375-8A.1	Men's bathroom	Cementitious Cove Base (gray coat)	NAD	
1375-8A.2	Men's bathroom	Cementitious Cove Base (white coat)	NAD	
1375-8B.1	Men's bathroom	Cementitious Cove Base (gray coat)	NAD	
1375-8B.2	Men's bathroom	Cementitious Cove Base (white coat)	NAD	
1375-8C.1	Women's bathroom	Cementitious Cove Base (gray coat)	NAD	
1375-8C.2	Women's bathroom	Cementitious Cove Base (white coat)	NAD	

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
1375-9A	Men's bathroom	Ceramic Wall Tile Adhesive	NAD Inconclusive	NAD
1375-9B	Men's bathroom	Ceramic Wall Tile Adhesive	NAD Inconclusive	NAD
1375-9C	Women's bathroom	Ceramic Wall Tile Adhesive	NAD Inconclusive	NAD
1375-10A	Women's bathroom	1"x1" Ceramic Floor Tile Mortar	NAD	
1375-10B	Women's bathroom	1"x1" Ceramic Floor Tile Mortar	NAD	
1375-10C	Men's bathroom	1"x1" Ceramic Floor Tile Mortar	NAD	
1375-11A	Women's bathroom	1"x1" Ceramic Floor Tile Grout	NAD	
1375-11B	Women's bathroom	1"x1" Ceramic Floor Tile Grout	NAD	
1375-11C	Men's bathroom	1"x1" Ceramic Floor Tile Grout	NAD	
1375-12A	Dumb waiter (2nd floor)	Door Insulation (air cell)	NAD	
1375-12B	Dumb waiter (2nd floor)	Door Insulation (air cell)	NAD	
1375-12C	Dumb waiter (2nd floor)	Door Insulation (air cell)	NAD	
1375-13A	Door from main office to warehouse	Door Insulation (paper)	NAD	
1375-13B	Door from main office to warehouse	Door Insulation (paper)	NAD	
1375-13C	East side main office door	Door Insulation (paper)	NAD	
1375-14A	Wall separating warehouse from the meter room, bathrooms, and electrical room	Wall Plaster	NAD	
1375-14B	Wall separating warehouse from the meter room, bathrooms, and electrical room	Wall Plaster	NAD	
1375-14C	Wall separating warehouse from the meter room, bathrooms, and electrical room	Wall Plaster	NAD	

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
1375-14D	Wall separating warehouse from the meter room, bathrooms, and electrical room	Wall Plaster	NAD	
1375-14E	Wall separating warehouse from the meter room, bathrooms, and electrical room	Wall Plaster	NAD	
1375-15A	Open Area/Warehouse (south area)	Gypsum Board Ceiling	NAD	
1375-15B	Open Area/Warehouse (south area)	Gypsum Board Ceiling	NAD	
1375-15C	Open Area/Warehouse (south area)	Gypsum Board Ceiling	NAD	
1375-16A	Corridor	12”x12” Vinyl Floor Tile	NAD Inconclusive	NAD
1375-16B	Corridor	12”x12” Vinyl Floor Tile	NAD Inconclusive	NAD
1375-16C	Corridor	12”x12” Vinyl Floor Tile	NAD Inconclusive	NAD
1375-17A	Corridor	Yellow Adhesive associated with 12”x12” Vinyl Floor Tile	NAD Inconclusive	NAD
1375-17B	Corridor	Yellow Adhesive associated with 12”x12” Vinyl Floor Tile	NAD Inconclusive	NAD
1375-17C	Corridor	Yellow Adhesive associated with 12”x12” Vinyl Floor Tile	NAD Inconclusive	NAD
1375-18A	Corridor	Ceiling Tile	NAD Inconclusive	NAD
1375-18B	Corridor	Ceiling Tile	NAD Inconclusive	NAD
1375-18C	Corridor	Ceiling Tile	NAD Inconclusive	NAD
1375-19A	Boiler Room	Boiler Insulation (remnant)	NAD	
1375-19B	Boiler Room	Boiler Insulation (remnant)	NAD	
1375-19C	Boiler Room	Boiler Insulation (remnant)	NAD	

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
1375-20A	Boiler Room – new boiler	Gray Breech Patch	NAD	
1375-20B	Boiler Room – new boiler	Gray Breech Patch	NAD	
1375-20C	Boiler Room – new boiler	Gray Breech Patch	NAD	
1375-21A	Boiler Room – at top of staircase	Large Mud Joint Packing	NAD	
1375-21B	Boiler Room – at top of staircase	Large Mud Joint Packing	NAD	
1375-21C	Boiler Room – at top of staircase	Large Mud Joint Packing	NAD	
1375-22A	Office	Beige 12”x12” Vinyl Floor Tile with inseparable yellow adhesive	NAD Inconclusive	NAD
1375-22B	Office	Beige 12”x12” Vinyl Floor Tile with inseparable yellow adhesive	NAD Inconclusive	NAD
1375-22C	Office	Beige 12”x12” Vinyl Floor Tile with inseparable yellow adhesive	NAD Inconclusive	NAD
1375-23A	Office	Suspended Ceiling Tile (with pinholes)	NAD Inconclusive	NAD
1375-23B	Office	Suspended Ceiling Tile (with pinholes)	NAD Inconclusive	NAD
1375-23C	Office	Suspended Ceiling Tile (with pinholes)	NAD Inconclusive	NAD
1375-24A	Open Area/Warehouse – north side	Surface Wall Stucco	NAD	
1375-24B	Open Area/Warehouse – north side	Surface Wall Stucco	NAD	
1375-24C	Open Area/Warehouse – north side	Surface Wall Stucco	NAD	
1375-25A	Open Area/Warehouse – north side, area below mezzanine/2nd floor	Ceiling Plaster	NAD	
1375-25B	Open Area/Warehouse – north side, area below mezzanine/2nd floor	Ceiling Plaster	NAD	

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
1375-25C	Open Area/Warehouse – north side, area below mezzanine/2nd floor	Ceiling Plaster	NAD	
1375-26A	**2nd Floor**	**Wall Mastic (roofing residue)**	**5.5% Chrysotile**	
1375-26B	**2nd Floor**	**Wall Mastic (roofing residue)**	**NA/PS**	
1375-26C	**2nd Floor**	**Wall Mastic (roofing residue)**	**NA/PS**	
1375-27A	Attic (above 2nd floor)	Gypsum Board	NAD	
1375-27B	Attic (above 2nd floor)	Gypsum Board	NAD	
1375-27C	Attic (above 2nd floor)	Gypsum Board	NAD	
1375-28A	2nd Floor	Gypsum Board Ceiling	NAD	
1375-28B	2nd Floor	Gypsum Board Ceiling	NAD	
1375-28C	2nd Floor	Gypsum Board Ceiling	NAD	
1375-29A	2nd Floor	Gypsum Wall Board	NAD	
1375-29B	2nd Floor	Gypsum Wall Board	NAD	
1375-29C	2nd Floor	Gypsum Wall Board	NAD	
1375-30A	Exterior	Exterior Wall Stucco	NAD	
1375-30B	Exterior	Exterior Wall Stucco	NAD	
1375-30C	Exterior	Exterior Wall Stucco	NAD	
1375-31A	Locked Office	1'x1' Ceiling Tile above suspended ceiling	NAD Inconclusive	NAD
1375-31B	Locked Office	1'x1' Ceiling Tile above suspended ceiling	NAD Inconclusive	NAD

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
1375-31C	Locked Office	1'x1' Ceiling Tile above suspended ceiling	NAD Inconclusive	NAD
1375-32A	Locked Office	Mastic associated with 1'x1' Ceiling Tiles	NAD Inconclusive	NAD
1375-32B	Locked Office	Mastic associated with 1'x1' Ceiling Tiles	NAD Inconclusive	NAD
1375-32C	Locked Office	Mastic associated with 1'x1' Ceiling Tiles	NAD Inconclusive	NAD
1375-33A	Corridor	Cove Base Molding with inseparable adhesive	NAD Inconclusive	NAD
1375-33B	Corridor	Cove Base Molding with inseparable adhesive	NAD Inconclusive	NAD
1375-33C	Corridor	Cove Base Molding with inseparable adhesive	NAD Inconclusive	NAD
1375-34A	Main Office (above suspended ceiling)	Gypsum Board (ceiling)	NAD	
1375-34B	Main Office (above suspended ceiling)	Gypsum Board (ceiling)	NAD	
1375-34C	Main Office (above suspended ceiling)	Gypsum Board (ceiling)	NAD	
1375-35A	Small Office at entrance (opposite Main Office)	Gypsum Wall Board	NAD	
1375-35B	Small Office at entrance (opposite Main Office)	Gypsum Wall Board	NAD	
1375-35C	Small Office at entrance (opposite Main Office)	Gypsum Wall Board	NAD	
BLOCK LOT 2761, LOT 224 (1376 Garrison Avenue)				
933 Edgewater Rd (Ochun Auto Repair)				
933-1A	Mezzanine office floor (top layer)	Linoleum (brown wood grained) with inseparable adhesive	NAD Inconclusive	NAD

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
933-1B	Mezzanine office floor (top layer)	Linoleum (brown wood grained) with inseparable adhesive	NAD Inconclusive	NAD
933-1C	Mezzanine office floor (top layer)	Linoleum (brown wood grained) with inseparable adhesive	NAD Inconclusive	NAD
933-2A	Mezzanine office floor (below top layer, over wood substrate)	Linoleum (blue-gray) with inseparable adhesive	NAD Inconclusive	NAD
933-2B	Mezzanine office floor (below top layer, over wood substrate)	Linoleum (blue-gray) with inseparable adhesive	NAD Inconclusive	NAD
933-2C	Mezzanine office floor (below top layer, over wood substrate)	Linoleum (blue-gray) with inseparable adhesive	NAD Inconclusive	NAD
933-3A.1	Mezzanine office	Cove Base (gray)	NAD Inconclusive	NAD
933-3A.2	Mezzanine office	Adhesive for cove base	NAD Inconclusive	NAD
933-3B.1	Mezzanine office	Cove Base (gray)	NAD Inconclusive	NAD
933-3B.2	Mezzanine office	Adhesive for cove base	NAD Inconclusive	NAD
933-3C.1	Mezzanine office	Cove Base (gray)	NAD Inconclusive	NAD
933-3C.2	Mezzanine office	Adhesive for cove base	NAD Inconclusive	NAD
933-4A	Mezzanine office	Ceiling Tile (suspended - 2'x4')	NAD Inconclusive	NAD
933-4B	Mezzanine office	Ceiling Tile (suspended - 2'x4')	NAD Inconclusive	NAD
933-4C	Mezzanine office	Ceiling Tile (suspended - 2'x4')	NAD Inconclusive	NAD
933-5A	Mezzanine office	Gypsum Board	NAD	
933-5B	Mezzanine bathroom	Gypsum Board	NAD	
933-5C	Mezzanine - middle room	Gypsum Board	NAD	

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
933-6A	Mezzanine office	Joint Compound	NAD	
933-6B	Mezzanine office	Joint Compound	NAD	
933-6C	Mezzanine bathroom	Joint Compound	NAD	
933-7A	Side Room (accessed from street) - patch area	Linoleum (peach colored) with inseparable adhesive	NAD Inconclusive	NAD
933-7B	Side Room (accessed from street) - patch area	Linoleum (peach colored) with inseparable adhesive	NAD Inconclusive	NAD
933-7C	Side Room (accessed from street) - patch area	Linoleum (peach colored) with inseparable adhesive	NAD Inconclusive	NAD
933-8A	Side Room (accessed from street) - top layer	12x12 Floor Tile (gray) with inseparable adhesive	NAD Inconclusive	NAD
933-8B	Side Room (accessed from street) - top layer	12x12 Floor Tile (gray) with inseparable adhesive	NAD Inconclusive	NAD
933-8C	Side Room (accessed from street) - top layer	12x12 Floor Tile (gray) with inseparable adhesive	NAD Inconclusive	NAD
933-9A.1	Side Room (accessed from street) - beneath gray tile and over wood substrate	9x9 Floor Tile (green)	NAD Inconclusive	NAD
933-9A.2	Side Room (accessed from street) - beneath gray tile and over wood substrate	Black Mastic/Tar Paper (inseparable) for green tile	NAD Inconclusive	NAD
933-9B.1	Side Room (accessed from street) - beneath gray tile and over wood substrate	9x9 Floor Tile (green)	NAD Inconclusive	NAD
933-9B.2	Side Room (accessed from street) - beneath gray tile and over wood substrate	Black Mastic/Tar Paper (inseparable) for green tile	NAD Inconclusive	NAD
933-9C.1	Side Room (accessed from street) - beneath gray tile and over wood substrate	9x9 Floor Tile (green)	NAD Inconclusive	NAD
933-9C.2	Side Room (accessed from street) - beneath gray tile and over wood substrate	Black Mastic/Tar Paper (inseparable) for green tile	NAD Inconclusive	NAD
933-10A	Garage Area associated with cinderblock wall	Mortar	NAD	
933-10B	Garage Area associated with cinderblock wall	Mortar	NAD	

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
933-10C	Garage Area associated with brick wall	Mortar	NAD	
933-11A	Exterior window panes	Glazing	Trace Chrysotile Inconclusive	Trace Chrysotile 0.26% Anthophyllite
933-11B	Exterior window panes	Glazing	NAD Inconclusive	Trace Chrysotile 0.23% Anthophyllite
933-11C	Exterior window panes	Glazing	NAD Inconclusive	NAD
933-12A	**Ground level bathroom door**	**Door Insulation (aircell)**	**57.1% Chrysotile**	
933-12B	**Ground level bathroom door**	**Door Insulation (aircell)**	**NA/PS**	
933-12C	**Ground level bathroom door**	**Door Insulation (aircell)**	**NA/PS**	
935 Edgewater Rd (Owner Building)				
935-1A	Garage Area associated with cinderblock wall	Mortar	NAD	
935-1B	Garage Area associated with cinderblock wall	Mortar	NAD	
935-1C	Garage Area associated with cinderblock wall	Mortar	NAD	
935-2A	Garage ceiling	Gypsum Board	NAD	
935-2B	Garage ceiling	Gypsum Board	NAD	
935-2C	Garage ceiling	Gypsum Board	NAD	
935-3A.1	**Office**	**9x9 Green Floor Tile**	**4.9% Chrysotile**	
935-3A.2	**Office**	**Mastic for green floor tile**	**NAD Inconclusive**	**2.0% Chrysotile**

Sample I.D.	Sampling Location	Sample Description	Asbestos Content PLM	Asbestos Content TEM
935-3B.1	**Office**	**9x9 Green Floor Tile**	**NA/PS**	
935-3B.2	**Office**	**Mastic for green floor tile**	**NAD Inconclusive**	**NA/PS**
935-3C.1	**Office**	**9x9 Green Floor Tile**	**NA/PS**	
935-3C.2	**Office**	**Mastic for green floor tile**	**NAD Inconclusive**	**NA/PS**
935-4A	Office	Wallboard	NAD Inconclusive	NAD
935-4B	Office	Wallboard	NAD Inconclusive	NAD
935-4C	Office	Wallboard	NAD Inconclusive	NAD
935-5A	Office ceiling	Gypsum Board	NAD	
935-5B	Office ceiling	Gypsum Board	NAD	
935-5C	Office ceiling	Gypsum Board	NAD	
1376 Garrison Ave (Food Market)				
1376-1A	Storage Area - ceiling	Ceiling Plaster	NAD	
1376-1B	Storage Area - ceiling	Ceiling Plaster	NAD	
1376-1C	Storage Area - ceiling	Ceiling Plaster	NAD	
1376-1D	Storage Area - ceiling	Ceiling Plaster	NAD	

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
1376-1E	Storage Area - ceiling	Ceiling Plaster	NAD	
1376-2A.1	Bathroom wall	Joint Compound	NAD	
1376-2A.2	Bathroom wall	Joint Tape	NAD	
1376-2B.1	Bathroom wall	Joint Compound	NAD	
1376-2B.2	Bathroom wall	Joint Tape	NAD	
1376-2C.1	Office wall	Joint Compound	NAD	
1376-2C.2	Office wall	Joint Tape	NAD	
1376-3A	Bathroom wall	Gypsum Board	NAD	
1376-3B	Bathroom wall	Gypsum Board	NAD	
1376-3C	Office wall	Gypsum Board	NAD	
1376-4A	Bathroom wall	Ceramic Wall Tile (mortar)	NAD	
1376-4B	Bathroom wall	Ceramic Wall Tile (mortar)	NAD	
1376-4C	Bathroom wall	Ceramic Wall Tile (mortar)	NAD	
1376-5A	Bathroom wall	Ceramic Wall Tile (grout)	NAD	
1376-5B	Bathroom wall	Ceramic Wall Tile (grout)	NAD	

Sample I.D.	Sampling	Sample	Asbestos Content	
	Location	Description	PLM	TEM
1376-5C	Bathroom wall	Ceramic Wall Tile (grout)	NAD	
1376-6A	Bathroom floor	Ceramic Floor Tile (mortar)	NAD	
1376-6B	Bathroom floor	Ceramic Floor Tile (mortar)	NAD	
1376-6C	Bathroom floor	Ceramic Floor Tile (mortar)	NAD	
1376-7A	Bathroom floor	Ceramic Floor Tile (grout)	NAD	
1376-7B	Bathroom floor	Ceramic Floor Tile (grout)	NAD	
1376-7C	Bathroom floor	Ceramic Floor Tile (grout)	NAD	
1376-8A	Office ceiling	Ceiling Tile (suspended)	NAD Inconclusive	NAD
1376-8B	Office ceiling	Ceiling Tile (suspended)	NAD Inconclusive	NAD
1376-8C	Office ceiling	Ceiling Tile (suspended)	NAD Inconclusive	NAD
1376-9A	Office floor	Ceramic Floor Tile (mortar)	NAD	
1376-9B	Office floor	Ceramic Floor Tile (mortar)	NAD	
1376-9C	Office floor	Ceramic Floor Tile (mortar)	NAD	
1376-10A	Office floor	Ceramic Floor Tile (grout)	NAD	
1376-10B	Office floor	Ceramic Floor Tile (grout)	NAD	

Sample I.D.	Sampling Location	Sample Description	Asbestos Content PLM	Asbestos Content TEM
1376-10C	Office floor	Ceramic Floor Tile (grout)	NAD	
1376-11A	Brick wall near bathroom	Mortar	NAD	
1376-11B	Brick wall near roll-up door	Mortar	NAD	
1376-11C	Cinderblock wall near bathroom	Mortar	NAD	
1376-12A	Storage Area - ceiling	Gypsum Board	NAD	
1376-12B	Storage Area - ceiling	Gypsum Board	NAD	
1376-12C	Storage Area - ceiling	Gypsum Board	NAD	
Retaining Walls within Amtrak Right-of-Way				
Retaining Walls from East 149th Street to 156th Street (including Leggett Avenue)				
RW-1A	**Within vertical joint (1st joint east of Pier 88)**	**Beige Caulk**	**2.2% Chrysotile**	
RW-1B	**Within vertical joint (2nd joint west of Pier 99)**	**Beige Caulk**	**NA/PS**	
RW-1C	**Within vertical joint (1st joint west of Pier 99)**	**Beige Caulk**	**NA/PS**	
RW-1D	**Within vertical joint (joint between Pier 102 and Pier 103)**	**Beige Caulk**	**NA/PS**	
RW-1E	**Within vertical joint (joint between Pier 103 and Pier 104)**	**Beige Caulk**	**NA/PS**	
RW-1F	**Within vertical joint (1st joint west of Pier 105)**	**Beige Caulk**	**NA/PS**	

Sample I.D.	Sampling Location	Sample Description	Asbestos Content PLM	Asbestos Content TEM
RW-2A	Within vertical joint (2nd joint east of Pier 88)	Joint Filler	NAD Inconclusive	Trace Chrysotile
RW-2B	Within vertical joint (2nd joint west of Pier 99)	Joint Filler	NAD Inconclusive	NAD
RW-2C	Within vertical joint (1st joint west of Pier 99)	Joint Filler	NAD Inconclusive	NAD
RW-2D	Within vertical joint (joint between Pier 102 and Pier 103)	Joint Filler	NAD Inconclusive	Trace Chrysotile
RW-2E	Within vertical joint (joint between Pier 103 and Pier 104)	Joint Filler	NAD Inconclusive	Trace Chrysotile
RW-2F	Within vertical joint (1st joint west of Pier 105)	Joint Filler	NAD Inconclusive	Trace Chrysotile
RW-3A	**Within sidewalk parapet joint at base of Pier 87**	**White Caulk**	**1.5% Chrysotile**	
RW-3B	**Within sidewalk parapet joint at base of Pier 87**	**White Caulk**	**NA/PS**	
RW-3C	**Within sidewalk parapet joint at base of Pier 87**	**White Caulk**	**NA/PS**	
RW-15A	Along base of sidewalk parapet wall (Pier #79)	Black Caulk	NAD Inconclusive	NAD
RW-15B	Along base of sidewalk parapet wall (Pier #81)	Black Caulk	NAD Inconclusive	NAD
RW-15C	Along base of sidewalk parapet wall (Pier #83)	Black Caulk	NAD Inconclusive	NAD
Retaining Walls from Tiffany Street to Barretto Street				
RW-4A	**Within vertical joint (at Pier 132)**	**Gray Caulk**	**7.0% Chrysotile**	
RW-4B	**Within vertical joint (joint between Pier 132 and Pier 133)**	**Gray Caulk**	**NA/PS**	

Sample I.D.	Sampling Location	Sample Description	Asbestos Content PLM	Asbestos Content TEM
RW-4C	**Within vertical joint (joint between Pier 133 and Pier 134)**	**Gray Caulk**	**NA/PS**	
RW-5A	Within vertical joint (at Pier 132)	Joint Filler	NAD Inconclusive	NAD
RW-5B	Within vertical joint (joint between Pier 132 and Pier 133)	Joint Filler	NAD Inconclusive	NAD
RW-5C	Within vertical joint (joint between Pier 133 and Pier 134)	Joint Filler	NAD Inconclusive	NAD
RW-6A	Around retaining wall drains (1st drain east of Pier 133)	Tar	NAD Inconclusive	NAD
RW-6B	Around retaining wall drains (1st drain east of Pier 133)	Tar	NAD Inconclusive	NAD
RW-6C	Around retaining wall drains (2nd drain east of Pier 133)	Tar	NAD Inconclusive	NAD
Retaining Walls from Barretto Street to Faile Street (including Hunts Point Avenue)				
RW-7A	**Within vertical joint (between Barretto Street abutment wall and retaining wall)**	**Gray Caulk**	**9.0% Chrysotile**	
RW-7B	**Within vertical joint (at Pier 139)**	**Gray Caulk**	**NA/PS**	
RW-7C	**Within vertical joint (at Pier 140)**	**Gray Caulk**	**NA/PS**	
RW-7D	**Within vertical joint (1st joint east of Hunts Point Ave)**	**Gray Caulk**	**NA/PS**	
RW-7E	**Within vertical joint (2nd joint east of Hunts Point Ave)**	**Gray Caulk**	**NA/PS**	
RW-7F	**Within vertical zig-zag joint (8th joint east of Hunts Point Ave)**	**Gray Caulk**	**NA/PS**	
RW-8A	Within vertical joint (at Pier 135)	Joint Filler	NAD Inconclusive	NAD

Sample I.D.	Sampling Location	Sample Description	Asbestos Content PLM	Asbestos Content TEM
RW-8B	Within vertical joint (at Pier 139)	Joint Filler	NAD Inconclusive	NAD
RW-8C	Within vertical joint (at Pier 140)	Joint Filler	NAD Inconclusive	NAD
RW-8D	Within vertical joint (1st joint east of Hunts Point Ave)	Joint Filler	NAD Inconclusive	NAD
RW-8E	Within vertical joint (2nd joint east of Hunts Point Ave)	Joint Filler	NAD Inconclusive	NAD
RW-8F	Within vertical zig-zag joint (8th joint east of Hunts Point Ave)	Joint Filler	NAD Inconclusive	Trace Chrysotile
RW-9A	**Within vertical joint (at Pier 140)**	**Beige Caulk (newer caulk)**	**1.7% Chrysotile**	
RW-9B	**Within vertical joint (joint between Pier 140 and Pier 141)**	**Beige Caulk (newer caulk)**	**NA/PS**	
RW-9C	**Within vertical joint (joint between Pier 140 and Pier 141)**	**Beige Caulk (newer caulk)**	**NA/PS**	
Retaining Walls from Faile Street to Bryant Avenue				
RW-10A	**Within vertical joint (4th joint east of Faile Street)**	**Gray Caulk**	**5.9% Chrysotile**	
RW-10B	**Within vertical joint (5th joint east of Faile Street)**	**Gray Caulk**	**NA/PS**	
RW-10C	**Within vertical joint (10th joint east of Faile Street)**	**Gray Caulk**	**NA/PS**	
RW-11A	Within vertical joint (3rd joint east of Faile Street)	Joint Filler	NAD Inconclusive	Trace Chrysotile
RW-11B	Within vertical joint (5th joint east of Faile Street)	Joint Filler	NAD Inconclusive	Trace Chrysotile
RW-11C	Within vertical joint (10th joint east of Faile Street)	Joint Filler	NAD Inconclusive	Trace Chrysotile

Sample I.D.	Sampling Location	Sample Description	Asbestos Content PLM	Asbestos Content TEM
RW-12A	**Around retaining wall drains (drain near 5th joint)**	**Tar**	**1.3% Chrysotile**	
RW-12B	**Around retaining wall drains (drain near 6th joint)**	**Tar**	**NA/PS**	
RW-12C	**Around retaining wall drains (drain near 7th joint)**	**Tar**	**NA/PS**	
Retaining Walls from Bryant Avenue to Railroad Bridge				
RW-13A	**Within vertical joint (1st joint east of Bryant Avenue)**	**Gray Caulk**	**2.4% Chrysotile**	
RW-13B	**Within vertical joint (3rd joint east of Bryant Avenue)**	**Gray Caulk**	**NA/PS**	
RW-13C	**Within vertical joint (5th joint east of Bryant Avenue)**	**Gray Caulk**	**NA/PS**	
RW-14A	Within vertical joint (3rd joint east of Faile Street)	Joint Filler	NAD Inconclusive	Trace Chrysotile
RW-14B	Within vertical joint (5th joint east of Faile Street)	Joint Filler	NAD Inconclusive	Trace Chrysotile
RW-14C	Within vertical joint (5th joint east of Bryant Avenue)	Joint Filler	NAD Inconclusive	Trace Chrysotile

Legend:
PLM – Polarized Light Microscopy
TEM – Transmission Electron Microscopy
NAD – No Asbestos Detected
NA/PS – Not Analyzed/Positive Stop

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the asbestos survey, asbestos containing materials are present within the project area. All asbestos containing materials with the potential to be impacted by reconstruction/demolition activities shall be abated in accordance with all applicable federal, state and local regulations. The abatement shall be conducted in accordance with NYSDOT Item Numbers, NYS ICR 56, and any variances thereof. All suspect asbestos containing materials encountered during construction which have not been tested must be assumed asbestos containing until tested otherwise.

Based on the asbestos sampling results, record plan review, previous survey reports, and assumptions related to proposed utility work, estimated quantities of ACM are included in Table 1 of the Executive Summary.

APPENDIX A

Asbestos Bulk Sample Laboratory Analysis Report

BIN 106666E – Ramp RE
(southbound exit from the Bruckner Expressway to Bruckner Boulevard)

alpha Labs
14-26 28th Avenue Long Island City, NY 11102
Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYCDOT / Dewberry – Ramp RE, Bronx, NY - BIN 106666E
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
106666E-1A 19-03-154-01	Off White Brittle Caulk	Within joints of south facing retaining wall (at wall 0/1)	Dk. Gray Homogeneous NOB	21.5	56.0	22.5	0%	94%	**6.0% CH**	
106666E-1B 19-03-154-02	Off White Brittle Caulk	Within joints of south facing retaining wall (at wall 1/2)	Dk. Gray Homogeneous NOB	22.0	60.8	17.2			NA/PS	
106666E-1C 19-03-154-03	Off White Brittle Caulk	Within joints of south facing retaining wall (at wall 2/3)	Dk. Gray Homogeneous NOB	14.5	66.8	18.7			NA/PS	
106666E-2A 19-03-154-04	Black Joint Filler	Within joints of south facing retaining wall (at wall 0/1)	Black Homogeneous NOB	58.7	5.2	36.2	0%	100%	**NAD** inconclusive	**Trace CH**
106666E-2B 19-03-154-05	Black Joint Filler	Within joints of south facing retaining wall (at wall 1/2)	Black Homogeneous NOB	73.0	6.3	20.8	0%	100%	**Trace CH** inconclusive	**Trace CH**
106666E-2C 19-03-154-06	Black Joint Filler	Within joints of south facing retaining wall (at wall 3/4)	Black Homogeneous NOB	93.7	3.8	2.4	0%	100%	**NAD** inconclusive	**NAD**
106666E-3A 19-03-154-07	Green Paint	On structural steel beams	Green Homogeneous NOB	29.8	41.6	28.6	0%	100%	**NAD** inconclusive	**NAD**
106666E-3B 19-03-154-08	Green Paint	On structural steel beams	Green Homogeneous NOB	39.4	6.9	53.7	0%	100%	**NAD** inconclusive	**NAD**
106666E-3C 19-03-154-09	Green Paint	On structural steel beams	Green Homogeneous NOB	38.2	6.3	55.5	0%	100%	**NAD** inconclusive	**NAD**
106666E-4A 19-03-154-10	Gray Paint	At abutment wall	Dk. Green/Gray Homogeneous NOB	32.4	30.2	37.4	0%	100%	**NAD** inconclusive	**NAD**
106666E-4B 19-03-154-11	Gray Paint	At abutment wall	Dk. Green/Gray Homogeneous NOB	31.9	26.0	42.1	0%	100%	**NAD** inconclusive	**NAD**
106666E-4C 19-03-154-12	Gray Paint	At pier #1	Dk. Green/Gray Homogeneous NOB	33.7	26.3	40.0	0%	100%	**NAD** inconclusive	**NAD**

14-26 28th Avenue Long Island City, NY 11102
Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYCDOT / Dewberry – Ramp RE, Bronx, NY - BIN 106666E
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
106666E-5A 19-03-154-13	Gray Paint	At south facing retaining wall	Dk. Green/Gray Homogeneous NOB	24.3	27.5	48.2	0%	100%	NAD inconclusive	NAD
106666E-5B 19-03-154-14	Gray Paint	At south facing retaining wall	Dk. Green/Gray Homogeneous NOB	26.5	38.9	34.7	0%	100%	NAD inconclusive	NAD
106666E-5C 19-03-154-15	Gray Paint	At south facing retaining wall	Dk. Green/Gray Homogeneous NOB	26.9	28.5	44.6	0%	100%	NAD inconclusive	NAD

Date Received: 3/21/19
Date of PLM Analysis: 3/22/19
Date of TEM Analysis: 3/23/19
Date of Report: 3/25/19

PLM Analyst: D. Kogan
TEM Analyst: H. Ran

Analyst: D. Kogan

QC Review / Date: D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

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1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-03-154

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter	TURNAROUND TIME: 72 Hours
PROJECT NUMBER: 18010 / CLIENT: Dewberry / NYSDOT	SPECIAL INSTRUCTIONS TO LABORATORY: Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs
LOCATION: Ramp RE , Bronx, NY - BIN 106666E	ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
106666E-1A	1	Off-White Brittle Caulk	N/A	Within joints of south facing retaining wall (at wall 0/1)
106666E-1B		Off-White Brittle Caulk		Within joints of south facing retaining wall (at wall 1/2)
106666E-1C		Off-White Brittle Caulk		Within joints of south facing retaining wall (at wall 2/3)
106666E-2A	2	Black Joint Filler	N/A	Within joints of south facing retaining wall (at wall 0/1)
106666E-2B		Black Joint Filler		Within joints of south facing retaining wall (at wall 1/2)
106666E-2C		Black Joint Filler		Within joints of south facing retaining wall (at wall 3/4)
106666E-3A	3	Green Paint	N/A	On structural steel beams
106666E-3B		Green Paint		On structural steel beams
106666E-3C		Green Paint		On structural steel beams
106666E-4A	4	Gray Paint	N/A	At abutment wall
106666E-4B		Gray Paint		At abutment wall
106666E-4C		Gray Paint		At pier #1
106666E-5A	5	Gray Paint	N/A	At south facing retaining wall
106666E-5B		Gray Paint		At south facing retaining wall
106666E-5C		Gray Paint		At south facing retaining wall

Collected By: Dan Kardashian	Collector's Signature: [signature] for D.K.
Relinquished By: [signature] Date/Time: 3/20/18 4:30 pm	Received By: [signature] Date/Time: 3/21/19
Relinquished By: Date/Time:	Received By: Date/Time:
Method of shipment: Mail	Sample Condition Upon Receipt:
Comments:	Acceptable: Other (Explain):

alpha Labs
14-26 28th Avenue Long Island City, NY 11102
Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, Ramp RE, Bronx, NY - **BIN 106666E**
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
106666E-6A 19-04-230-01	Joint Caulk	Within expansion joint of ramp, top of deck	Lt. Gray Homogeneous NOB	39.4	14.9	45.7	0%	100%	**NAD** inconclusive	**NAD**
106666E-6B 19-04-230-02	Joint Caulk	Within expansion joint of ramp, top of deck	Lt. Gray Homogeneous NOB	39.9	17.4	42.7	0%	100%	**NAD** inconclusive	**NAD**
106666E-6C 19-04-230-03	Joint Caulk	Within expansion joint of ramp, top of deck	Lt. Gray Homogeneous NOB	40.5	50.3	9.1	0%	100%	**NAD** inconclusive	**NAD**
106666E-7A 19-04-230-04	Railing Base Caulk	Around base plates of original railings (at approach to ramp only)	Gray Homogeneous NOB	20.7	52.1	27.2	0%	96.5%	**3.5% CH**	
106666E-7B 19-04-230-05	Railing Base Caulk	Around base plates of original railings (at approach to ramp only)	Gray Homogeneous NOB	25.1	58.5	16.4			NA/PS	
106666E-7C 19-04-230-06	Railing Base Caulk	Around base plates of original railings (at approach to ramp only)	Gray Homogeneous NOB	29.7	54.7	15.6			NA/PS	

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, Ramp RE, Bronx, NY - **BIN 106666E**
PROJECT: 18010

Date Received: 4/26/19
Date of PLM Analysis: 4/29/19
Date of TEM Analysis: 4/29/19
Date of Report: 4/30/19

PLM Analyst: L. Tchorzewski
TEM Analyst: A. Ansari

Analyst: L. Tchorzewski

QC Review / Date: D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

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1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-04-230

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: Ramp RE , Bronx, NY - BIN 106666E

SPECIAL INSTRUCTIONS TO LABORATORY:
Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED
PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
106666E-6A	6	Joint Caulk	N/A	Within expansion joints of ramp, top of deck
106666E-6B		Joint Caulk		Within expansion joints of ramp, top of deck
106666E-6C		Joint Caulk		Within expansion joints of ramp, top of deck
106666E-7A	7	Railing Base Caulk	N/A	Around base plates of original railings (at approach to ramp only)
106666E-7B		Railing Base Caulk		Around base plates of original railings (at approach to ramp only)
106666E-7C		Railing Base Caulk		Around base plates of original railings (at approach to ramp only)

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 4/25/19 5:[illegible]pm

Received By: Date/Time: 4/26/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Comments:

Acceptable:

Other (Explain):

BIN 106666F – Ramp M
(southbound entrance from Bruckner Boulevard to the Bruckner Expressway)

alpha Labs
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Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry – Ramp M, Bronx, NY - BIN 106666F
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
106666F-1A 19-03-155-01	Bearing Pad	At Pier #2 bearing location	Green/Black Homogeneous NOB	86.5	7.8	5.7	0%	100%	NAD inconclusive	NAD
106666F-1B 19-03-155-02	Bearing Pad	At Pier #3 bearing location	Green/Black Homogeneous NOB	26.8	37.3	35.9	0%	100%	NAD inconclusive	NAD
106666F-1C 19-03-155-03	Bearing Pad	At abutment bearing location	Green/Black Homogeneous NOB	88.4	7.8	3.7	0%	100%	NAD inconclusive	NAD
106666F-2A 19-03-155-04	Dk. Brown Joint filler	Within joints of retaining wall (upper half of joint)	Dk. Brown Homogeneous NOB	87.8	5.5	6.7	0%	100%	NAD inconclusive	NAD
106666F-2B 19-03-155-05	Dk. Brown Joint filler	Within joints of retaining wall (lower half of joint)	Dk. Brown Homogeneous NOB	52.1	23.3	24.6	0%	100%	NAD inconclusive	NAD
106666F-2C 19-03-155-06	Dk. Brown Joint filler	Within joints of retaining wall (lower half of joint)	Dk. Brown Homogeneous NOB	77.1	7.8	15.1	0%	100%	NAD inconclusive	NAD
106666F-3A 19-03-155-07	Black Joint Filler	At retaining wall drain	Black Homogeneous NOB	79.0	16.2	4.8	0%	98.3%	1.7% CH	
106666F-3B 19-03-155-08	Black Joint Filler	At retaining wall drain	Black Homogeneous NOB	75.7	20.9	3.3			NA/PS	
106666F-3C 19-03-155-09	Black Joint Filler	At retaining wall drain	Black Homogeneous NOB	72.7	23.7	3.6			NA/PS	
106666F-4A 19-03-155-10	Gray Paint	At Pier #2	Gray Homogeneous NOB	23.8	18.4	57.8	0%	100%	NAD inconclusive	NAD
106666F-4B 19-03-155-11	Gray Paint	At retaining wall	Black Homogeneous NOB	24.3	19.8	55.9	0%	100%	NAD inconclusive	NAD
106666F-4C 19-03-155-12	Gray Paint	At retaining wall	Black Homogeneous NOB	24.4	20.7	54.8	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry – Ramp M, Bronx, NY - BIN 106666F
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
106666F-5A 19-03-155-13	Green Paint	On structural steel beam	Green Homogeneous NOB	32.7	7.5	59.8	0%	100%	NAD inconclusive	NAD
106666F-5B 19-03-155-14	Green Paint	On structural steel beam	Green Homogeneous NOB	24.4	7.5	68.1	0%	100%	NAD inconclusive	NAD
106666F-5C 19-03-155-15	Green Paint	On Pier #3 drainage pipe	Green Homogeneous NOB	25.5	6.3	68.2	0%	100%	NAD inconclusive	NAD

Date Received: 3/21/19
Date of PLM Analysis: 3/23/19
Date of TEM Analysis: 3/23/19
Date of Report: 3/25/19

PLM Analyst: D. Molohides
TEM Analyst: H. Ran

Analyst: _____
D. Molohides

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-03-155

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: Ramp M , Bronx, NY - BIN 106666F

SPECIAL INSTRUCTIONS TO LABORATORY:
Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED
PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
106666F-1A	1	Bearing Pad	N/A	At Pier #2 bearing location
106666F-1B		Bearing Pad		At Pier #3 bearing location
106666F-1C		Bearing Pad		At abutment bearing location
106666F-2A	2	Dark Brown Joint Filler	N/A	Within joints of retaining wall (upper half of joint)
106666F-2B		Dark Brown Joint Filler		Within joints of retaining wall (lower half of joint)
106666F-2C		Dark Brown Joint Filler		Within joints of retaining wall (lower half of joint)
106666F-3A	3	Black Joint Filler	N/A	At retaining wall drain
106666F-3B		Black Joint Filler		At retaining wall drain
106666F-3C		Black Joint Filler		At retaining wall drain
106666F-4A	4	Gray Paint	N/A	At Pier #2
106666F-4B		Gray Paint		At retaining wall
106666F-4C		Gray Paint		At retaining wall
106666F-5A	5	Green Paint	N/A	On structural steel beam
106666F-5B		Green Paint		On structural steel beam
106666F-5C		Green Paint		On Pier #3 drainage pipe

Collected By: Dan Kardashian

Collector's Signature: for D.K.

Relinquished By: Date/Time: 3/20/19 4:3 pm

Received By: Date/Time: 3/21/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Acceptable:

Other (Explain):

Comments:

BIN 106666G – Ramp P
(northbound exit from the Bruckner Expressway to the Bruckner Expressway Interchange)

alpha Labs
14-26 28th Avenue Long Island City, NY 11102
Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry – Ramp P, Bronx, NY - BIN 106666G
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
106666G-1A 19-03-160-01	Green Paint	On Structural steel beam	Green Homogeneous NOB	32.2	0.8	67.1	0%	100%	NAD inconclusive	NAD
106666G-1B 19-03-160-02	Green Paint	On Structural steel beam	Green Homogeneous NOB	34.1	25.1	40.8	0%	100%	NAD inconclusive	NAD
106666G-1C 19-03-160-03	Green Paint	On Pier #2 drainage pipe	Green Homogeneous NOB	22.8	6.5	70.7	0%	100%	NAD inconclusive	NAD
106666G-2A 19-03-160-04	Gray Paint	At Pier #2	Gray Homogeneous NOB	22.5	23.4	54.0	0%	100%	NAD inconclusive	NAD
106666G-2B 19-03-160-05	Gray Paint	At Pier #2	Gray Homogeneous NOB	22.6	25.2	52.2	0%	100%	NAD inconclusive	NAD
106666G-2C 19-03-160-06	Gray Paint	At Pier #1	Gray Homogeneous NOB	30.6	16.1	53.2	0%	100%	NAD inconclusive	NAD
106666G-3A 19-03-160-07	White Coating	Over base of bearing plat, Pier #2	White/Green Homogeneous NOB	54.3	24.8	20.9	0%	100%	NAD inconclusive	NAD
106666G-3B 19-03-160-08	White Coating	Over base of bearing plat, Pier #2	White/Green Homogeneous NOB	33.3	54.4	12.3	0%	100%	NAD inconclusive	NAD
106666G-3C 19-03-160-09	White Coating	Over base of bearing plat, Pier #1	White/Green Homogeneous NOB	48.3	18.2	33.5	0%	100%	NAD inconclusive	NAD
106666G-4A 19-03-160-10	Black Bearing Pad	At Pier #2 bearing location	Black Homogeneous NOB	91.6	3.4	4.9	0%	100%	NAD inconclusive	NAD
106666G-4B 19-03-160-11	Black Bearing Pad	At Pier #2 bearing location	Black Homogeneous NOB	93.1	3.6	3.3	0%	100%	NAD inconclusive	NAD
106666G-4C 19-03-160-12	Black Bearing Pad	At Pier #1 bearing location	Black Homogeneous NOB	92.8	5.5	1.7	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry – Ramp P, Bronx, NY - BIN 106666G
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
106666G-5A 19-03-160-13	Brown Joint Filler	Within joints of north side of retaining wall	Brown/Black Homogeneous NOB	91.8	2.6	5.6	0%	100%	**NAD** inconclusive	**NAD**
106666G-5B 19-03-160-14	Brown Joint Filler	Within joints of north side of retaining wall	Brown/Black Homogeneous NOB	91.5	1.5	6.9	0%	100%	**NAD** inconclusive	**NAD**
106666G-5C 19-03-160-15	Brown Joint Filler	Within joints of north side of retaining wall	Brown/Black Homogeneous NOB	87.4	4.9	7.7	0%	100%	**NAD** inconclusive	**NAD**
106666G-6A 19-03-160-16	Gray Paint	On the north side of retaining wall	Gray Homogeneous NOB	23.7	7.0	69.3	0%	100%	**NAD** inconclusive	**NAD**
106666G-6B 19-03-160-17	Gray Paint	On the north side of retaining wall	Gray Homogeneous NOB	27.9	11.9	60.2	0%	100%	**NAD** inconclusive	**NAD**
106666G-6C 19-03-160-18	Gray Paint	On the north side of retaining wall	Gray Homogeneous NOB	22.2	8.4	69.4	0%	100%	**NAD** inconclusive	**NAD**
106666G-7A 19-03-160-19	Gray Brittle Caulk	Within joints of north side of retaining wall (wall 1-2)	Gray Homogeneous NOB	35.9	5.3	58.8	0%	94.9%	**5.1% CH**	
106666G-7B 19-03-160-20	Gray Brittle Caulk	Within joints of north side of retaining wall (wall 2-3)	Gray Homogeneous NOB	28.8	1.5	69.7			NA/PS	
106666G-7C 19-03-160-21	Gray Brittle Caulk	Within joints of north side of retaining wall (wall 4-5)	Gray Homogeneous NOB	28.0	1.6	70.4			NA/PS	
106666G-8A 19-03-160-22	Black Joint Filler	North side of retaining wall at drain #3 from east side	Black Homogeneous NOB	75.6	15.7	8.7	0%	97.3%	**2.7% CH**	
106666G-8B 19-03-160-23	Black Joint Filler	North side of retaining wall at drain #6 from east side	Black Homogeneous NOB	87.0	5.8	7.2			NA/PS	
106666G-8C 19-03-160-24	Black Joint Filler	North side of retaining wall at drain #8 from east side	Black Homogeneous NOB	86.0	6.7	7.3			NA/PS	

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry – Ramp P, Bronx, NY - BIN 106666G
PROJECT: 18010

Date Received: 3/22/19
Date of PLM Analysis: 3/25/19
Date of TEM Analysis: 3/25/19
Date of Report: 3/26/19

PLM Analyst: L. Tchorzewski
TEM Analyst: A. Ansari

Analyst: L. Tchorzewski

QC Review / Date: D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

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1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-03-160

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: Ramp P , Bronx, NY - BIN 106666G

SPECIAL INSTRUCTIONS TO LABORATORY:

Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED

PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
106666G-1A	1	Green Paint	N/A	On structural steel beam
106666G-1B		Green Paint		On structural steel beam
106666G-1C		Green Paint		On Pier #2 drainage pipe
106666G-2A	2	Gray Paint	N/A	At Pier #2
106666G-2B		Gray Paint		At Pier #2
106666G-2C		Gray Paint		At Pier #1
106666G-3A	3	White Coating	N/A	Over base of bearing plate, Pier #2
106666G-3B		White Coating		Over base of bearing plate, Pier #2
106666G-3C		White Coating		Over base of bearing plate, Pier #1
106666G-4A	4	Black Bearing Pad	N/A	At Pier #2 bearing location
106666G-4B		Black Bearing Pad		At Pier #2 bearing location
106666G-4C		Black Bearing Pad		At Pier #1 bearing location
106666G-5A	5	Brown Joint Filler	N/A	Within joints of north side of retaining wall
106666G-5B		Brown Joint Filler		Within joints of north side of retaining wall
106666G-5C		Brown Joint Filler		Within joints of north side of retaining wall
106666G-6A	6	Gray Paint	N/A	On the north side of retaining wall
106666G-6B		Gray Paint		On the north side of retaining wall
106666G-6C		Gray Paint		On the north side of retaining wall
106666G-7A	7	Gray Brittle Caulk	N/A	Within joints of north side of retaining wall (wall 1-2)
106666G-7B		Gray Brittle Caulk		Within joints of north side of retaining wall (wall 2-3)
106666G-7C		Gray Brittle Caulk		Within joints of north side of retaining wall (wall 4-5)
106666G-8A	8	Black Joint Filler	N/A	North side of retaining wall, at drain #3 from east side
106666G-8B		Black Joint Filler		North side of retaining wall, at drain #6 from east side
106666G-8C		Black Joint Filler		North side of retaining wall, at drain #8 from east side

Collected By: Dan Kardashian

Collector's Signature: for D.K.

Relinquished By: Date/Time: 3/21/19 4:30pm

Received By: George Petrides Date/Time: 3/22/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Acceptable:

Other (Explain):

Comments: For -3A, -3B, -3C, do not analyze paint layer separately

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, Ramp P, Bronx, NY - **BIN 106666G**
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
106666G-9A 19-04-229-01	Joint Caulk	Within expansion joint of ramp, top of deck	Lt. Gray Homogeneous NOB	38.9	27.2	33.9	0%	100%	NAD inconclusive	NAD
106666G-9B 19-04-229-02	Joint Caulk	Within expansion joint of ramp, top of deck	Lt. Gray Homogeneous NOB	39.1	12.7	48.2	0%	100%	NAD inconclusive	NAD
106666G-9C 19-04-229-03	Joint Caulk	Within expansion joint of ramp, top of deck	Lt. Gray Homogeneous NOB	38.9	4.8	56.4	0%	100%	NAD inconclusive	NAD

Date Received: 4/26/19
Date of PLM Analysis: 4/29/19
Date of TEM Analysis: 4/29/19
Date of Report: 4/30/19

PLM Analyst: L. Tchorzewski
TEM Analyst: A. Ansari

Analyst: L. Tchorzewski

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-04-229

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: Ramp P , Bronx, NY - BIN 106666G

SPECIAL INSTRUCTIONS TO LABORATORY:
Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA a'l TEMs

ANALYSIS REQUESTED
PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
106666G-9A	9	Joint Caulk	N/A	Within expansion joint of ramp, top of deck
106666G-9B		Joint Caulk		Within expansion joint of ramp, top of deck
106666G-9C		Joint Caulk		Within expansion joint of ramp, top of deck

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 4/25/19 5:00pm

Received By: Date/Time: 4/26/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Comments: For -3A, -3B, -3C, do not analyze paint layer separately

Acceptable:

Other (Explain):

BIN 106666H – Ramp N
(northbound entrance from Bruckner Boulevard to the Bruckner Expressway interchange)

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry – Ramp N, Bronx, NY - BIN 106666H
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
106666H-1A 19-03-163-01	Gray Paint	At Pier #2	Gray Homogeneous NOB	36.8	18.1	45.1	0%	100%	**NAD** inconclusive	**NAD**
106666H-1B 19-03-163-02	Gray Paint	At Pier #2	Gray Homogeneous NOB	34.0	20.7	45.4	0%	100%	**NAD** inconclusive	**NAD**
106666H-1C 19-03-163-03	Gray Paint	At Pier #3	Gray Homogeneous NOB	33.7	21.7	44.6	0%	100%	**NAD** inconclusive	**NAD**
106666H-2A 19-03-163-04	Black Bearing Pad	At Pier #3 bearing location	Black Homogeneous NOB	89.1	8.3	2.6	0%	100%	**NAD** inconclusive	**NAD**
106666H-2B 19-03-163-05	Black Bearing Pad	At Pier #3 bearing location	Black Homogeneous NOB	87.7	8.7	3.6	0%	100%	**NAD** inconclusive	**NAD**
106666H-2C 19-03-163-06	Black Bearing Pad	At Pier #3 bearing location	Black Homogeneous NOB	88.4	9.0	2.7	0%	100%	**NAD** inconclusive	**NAD**
106666H-3A 19-03-163-07	Green Paint	On structural steel beam	Green Homogeneous NOB	27.8	4.6	67.6	0%	100%	**NAD** inconclusive	**NAD**
106666H-3B 19-03-163-08	Green Paint	On structural steel beam	Green Homogeneous NOB	14.1	2.5	83.4	0%	100%	**NAD** inconclusive	**NAD**
106666H-3C 19-03-163-09	Green Paint	On structural steel beam	Green Homogeneous NOB	26.1	0.3	73.6	0%	100%	**NAD** inconclusive	**NAD**
106666H-4A 19-03-163-10	Joint Filler	At abutment wall drain	Black Homogeneous NOB	89.4	1.4	9.2	0%	98.2%	**1.8% CH**	
106666H-4B 19-03-163-11	Joint Filler	At abutment wall drain	Black Homogeneous NOB	89.1	2.3	8.6			NA/PS	
106666H-4C 19-03-163-12	Joint Filler	At abutment wall drain	Black Homogeneous NOB	90.0	2.0	8.0			NA/PS	

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry – Ramp N, Bronx, NY - BIN 106666H
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
106666H-5A 19-03-163-13	Joint Filler	Around drains on west side of retaining wall (2nd drain from west side)	Black Homogeneous NOB	88.6	3.8	7.6	0%	98%	**2.0% CH**	
106666H-5B 19-03-163-14	Joint Filler	Around drains on west side of retaining wall (4th drain from west side)	Black Homogeneous NOB	87.4	0.4	12.2			NA/PS	
106666H-5C 19-03-163-15	Joint Filler	Around drains on west side of retaining wall (4th drain from west side)	Black Homogeneous NOB	84.5	8.9	6.6			NA/PS	
106666H-6A 19-03-163-16	Gray Paint	On retaining wall	Gray Homogeneous NOB	22.5	12.9	64.6	0%	100%	**NAD** inconclusive	**NAD**
106666H-6B 19-03-163-17	Gray Paint	On retaining wall	Gray Homogeneous NOB	22.5	16.3	61.2	0%	100%	**NAD** inconclusive	**NAD**
106666H-6C 19-03-163-18	Gray Paint	On retaining wall	Gray Homogeneous NOB	24.9	16.4	58.7	0%	100%	**NAD** inconclusive	**NAD**
106666H-7A 19-03-163-19	Joint Filler	Within walls of ramps parapet	Black Homogeneous NOB	88.7	5.0	6.3	0%	100%	**NAD** inconclusive	**NAD**
106666H-7B 19-03-163-20	Joint Filler	Within walls of ramps parapet	Black Homogeneous NOB	77.3	7.4	15.2	0%	100%	**NAD** inconclusive	**NAD**
106666H-7C 19-03-163-21	Joint Filler	Within walls of ramps parapet	Black Homogeneous NOB	76.2	6.4	17.4	0%	100%	**NAD** inconclusive	**NAD**

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry – Ramp N, Bronx, NY - BIN 106666H
PROJECT: 18010

Date Received: 3/22/19
Date of PLM Analysis: 3/23/19
Date of TEM Analysis: 3/23/19
Date of Report: 3/25/19

PLM Analyst: D. Molohides
TEM Analyst: H. Ran

Analyst: _____
D. Molohides

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

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(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-03-163

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: Ramp N , Bronx, NY - BIN 106666H

SPECIAL INSTRUCTIONS TO LABORATORY:
Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
106666H-1A	1	Gray Paint	N/A	At Pier #2
106666H-1B		Gray Paint		At Pier #2
106666H-1C		Gray Paint		At Pier #3
106666H-2A	2	Black Bearing Pad	N/A	At Pier #3 bearing location
106666H-2B		Black Bearing Pad		At Pier #3 bearing location
106666H-2C		Black Bearing Pad		At Pier #3 bearing location
106666H-3A	3	Green Paint	N/A	On structural steel beam
106666H-3B		Green Paint		On structural steel beam
106666H-3C		Green Paint		On structural steel beam
106666H-4A	4	Joint Filler	N/A	At abutment wall drain
106666H-4B		Joint Filler		At abutment wall drain
106666H-4C		Joint Filler		At abutment wall drain
106666H-5A	5	Joint Filler	N/A	Around drains on west side of retaining wall (2nd drain from west side)
106666H-5B		Joint Filler		Around drains on west side of retaining wall (4th drain from west side)
106666H-5C		Joint Filler		Around drains on west side of retaining wall (4th drain from west side)
106666H-6A	6	Gray Paint	N/A	On the retaining wall
106666H-6B		Gray Paint		On the retaining wall
106666H-6C		Gray Paint		On the retaining wall
106666H-7A	7	Joint Filler	N/A	Within walls of ramp parapet
106666H-7B		Joint Filler		Within walls of ramp parapet
106666H-7C		Joint Filler		Within walls of ramp parapet

Collected By: Dan Kardashian

Collector's Signature: for D.K.

Relinquished By: Date/Time: 3/21/19 4:30 pm

Received By: George Rebride Date/Time: 3/22/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Comments:

Acceptable:

Other (Explain):

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14-26 28th Avenue Long Island City, NY 11102
Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, Ramp N, Bronx, NY - **BIN 106666H**
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
106666H-8A 19-04-228-01	Joint Caulk	Within expansion joint of ramp, top of deck	Lt. Gray Homogeneous NOB	40.1	14.5	45.4	0%	100%	NAD inconclusive	NAD
106666H-8B 19-04-228-02	Joint Caulk	Within expansion joint of ramp, top of deck	Lt. Gray Homogeneous NOB	39.7	5.8	54.5	0%	100%	NAD inconclusive	NAD
106666H-8C 19-04-228-03	Joint Caulk	Within expansion joint of ramp, top of deck	Lt. Gray Homogeneous NOB	39.8	7.1	53.1	0%	100%	NAD inconclusive	NAD

Date Received: 4/26/19
Date of PLM Analysis: 4/29/19
Date of TEM Analysis: 4/29/19
Date of Report: 4/30/19

PLM Analyst: L. Tchorzewski
TEM Analyst: A. Ansari

Analyst: L. Tchorzewski

QC Review / Date: D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-04-228

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter	TURNAROUND TIME: 72 Hours
PROJECT NUMBER: 18010 / CLIENT: Dewberry / NYSDOT	SPECIAL INSTRUCTIONS TO LABORATORY: Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA at: TEMs
LOCATION: Ramp N , Bronx, NY - BIN 106666H	ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
106666H-8A	8	Joint Caulk	N/A	Within expansion joint of ramp, top of deck
106666H-8B		Joint Caulk		Within expansion joint of ramp, top of deck
106666H-8C		Joint Caulk		Within expansion joint of ramp, top of deck

Collected By: Glenn Umstetter	Collector's Signature:
Relinquished By: Date/Time: 4/25/19 5:00pm	Received By: Date/Time: 4/26/19
Relinquished By: Date/Time:	Received By: Date/Time:
Method of shipment: Mail	Sample Condition Upon Receipt:
Comments:	Acceptable: Other (Explain):

BIN 1066669 – Bruckner Expressway viaduct (over Bruckner Boulevard)

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Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry – Brucker Expressway Viaduct, Bronx, NY - BIN 1066669
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1066669-1A 19-03-159-01	Green Paint	On structural steel beam of viaduct (at bearing plate)	Green Homogeneous NOB	14.3	19.9	65.8	0%	100%	NAD inconclusive	NAD
1066669-1B 19-03-159-02	Green Paint	On structural steel beam of viaduct (on girder)	Green Homogeneous NOB	20.0	1.6	78.4	0%	100%	NAD inconclusive	NAD
1066669-1C 19-03-159-03	Green Paint	On structural steel beam of viaduct (on column)	Green Homogeneous NOB	33.7	3.3	63.0	0%	100%	NAD inconclusive	NAD

Date Received: 3/22/19
Date of PLM Analysis: 3/23/19
Date of TEM Analysis: 3/23/19
Date of Report: 3/25/19

PLM Analyst: D. Molohides
TEM Analyst: H. Ran

Analyst: _____
D. Molohides

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

19-03-159

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 10
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: **Glenn Umstetter**

TURNAROUND TIME: **72 Hours**

PROJECT NUMBER: **18010**

CLIENT: **Dewberry / NYSDOT**

LOCATION: **Bruckner Expressway Viaduct , Bronx, NY - BIN 1066669**

SPECIAL INSTRUCTIONS TO LABORATORY:
Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED
PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
1066669-1A	1	Green Paint	N/A	On structural steel beam of viaduct (at bearing plate)
1066669-1B		Green Paint		On structural steel beam of viaduct (on girder)
1066669-1C		Green Paint		On structural steel beam of viaduct (on column)

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 3/21/19 4:30pm

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Hong Yan Kan Date/Time: 3/22/19 10:15 AM

Method of shipment: Mail

Sample Condition Upon Receipt

Acceptable:

Other (Explain):

Comments:

BIN 1075310 – Bryant Avenue Pedestrian Bridge
(over Bruckner Boulevard, crossing below the Bruckner Expressway)

alpha Labs
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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –Bryant Avenue Pedestrian Bridge, Bronx, NY – BIN 1075310
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1075310-1A 19-03-195-01	Black bituminous caulk	At the bottom of the west stairs	Black Homogeneous NOB	64.6	28.2	7.3	0%	100%	NAD inconclusive	NAD
1075310-1B 19-03-195-02	Black bituminous caulk	At the bottom of the west stairs	Black Homogeneous NOB	61.6	29.5	9.0	0%	100%	NAD inconclusive	NAD
1075310-1C 19-03-195-03	Black bituminous caulk	At the bottom of the west stairs	Black Homogeneous NOB	60.9	29.3	9.8	0%	100%	NAD inconclusive	NAD
1075310-2A 19-03-195-04	Black caulk	Within joint running along the west stairs	Black Homogeneous NOB	58.5	20.8	20.7	0%	100%	NAD inconclusive	NAD
1075310-2B 19-03-195-05	Black caulk	Within joint running along the west stairs	Black Homogeneous NOB	67.5	26.8	5.7	0%	100%	NAD inconclusive	NAD
1075310-2C 19-03-195-06	Black caulk	Within joint running along the east stairs	Black Homogeneous NOB	65.8	26.3	7.9	0%	100%	NAD inconclusive	NAD
1075310-3A 19-03-195-07	Green Paint	On structural steel parapet	Green Homogeneous NOB	48.5	7.0	44.5	0%	100%	NAD inconclusive	NAD
1075310-3B 19-03-195-08	Green Paint	On structural steel railings	Green Homogeneous NOB	36.0	10.0	54.0	0%	100%	NAD inconclusive	NAD
1075310-3C 19-03-195-09	Green Paint	On structural steel girders	Green Homogeneous NOB	47.7	5.3	47.0	0%	100%	NAD inconclusive	NAD
1075310-4A 19-03-195-10	Pliable Blue/Gray Caulk	Within expansion joint above abutment	Dk. Gray Homogeneous NOB	58.7	18.1	23.3	0%	100%	NAD inconclusive	NAD
1075310-4B 19-03-195-11	Pliable Blue/Gray Caulk	Within expansion joint on top of bridge	Dk. Gray Homogeneous NOB	55.5	20.5	24.0	0%	100%	NAD inconclusive	NAD
1075310-4C 19-03-195-12	Pliable Blue/Gray Caulk	Within expansion joint top of deck (beneath Sheridan Pkwy)	Dk. Gray Homogeneous NOB	60.0	19.6	20.4	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –Bryant Avenue Pedestrian Bridge, Bronx, NY – BIN 1075310
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1075310-5A 19-03-195-13	Beige Coating	Coating (patch) on the west stairs	Beige Homogeneous NOB	49.9	11.6	38.5	0%	100%	NAD inconclusive	NAD
1075310-5B 19-03-195-14	Beige Coating	Coating (patch) on the west stairs	Beige Homogeneous NOB	48.8	9.0	42.2	0%	100%	NAD inconclusive	NAD
1075310-5C 19-03-195-15	Beige Coating	Coating (patch) on the west stairs	Beige Homogeneous NOB	43.3	19.2	37.5	0%	100%	NAD inconclusive	NAD
1075310-6A 19-03-195-16	Gray Caulk	Within joint at top of west stairs	Dk. Gray Homogeneous NOB	45.3	48.6	6.1	0%	100%	NAD inconclusive	NAD
1075310-6B 19-03-195-17	Gray Caulk	Within joint at top of west stairs	Dk. Gray Homogeneous NOB	50.8	31.2	18.0	0%	100%	NAD inconclusive	NAD
1075310-6C 19-03-195-18	Gray Caulk	Within joint at top of west stairs	Dk. Gray Homogeneous NOB	53.0	36.2	10.8	0%	100%	NAD inconclusive	NAD
1075310-7A 19-03-195-19	Hard Gray Caulk	At the base of the steel parapet, top of deck	Dk. Gray Homogeneous NOB	63.4	18.4	18.2	0%	100%	NAD inconclusive	NAD
1075310-7B 19-03-195-20	Hard Gray Caulk	At the base of the steel parapet, top of deck	Dk. Gray Homogeneous NOB	63.0	8.7	28.4	0%	100%	NAD inconclusive	NAD
1075310-7C 19-03-195-21	Hard Gray Caulk	At the base of the steel parapet, top of deck	Dk. Gray Homogeneous NOB	68.9	15.8	15.3	0%	100%	NAD inconclusive	NAD
1075310-8A 19-03-195-22	Gray Paint	West abutment	Gray Homogeneous NOB	35.6	24.3	40.0	0%	100%	NAD inconclusive	NAD
1075310-8B 19-03-195-23	Gray Paint	West abutment	Gray Homogeneous NOB	31.5	25.9	42.6	0%	100%	NAD inconclusive	NAD
1075310-8C 19-03-195-24	Gray Paint	Sidewall associated with west abutment	Gray Homogeneous NOB	35.8	22.2	42.0	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –Bryant Avenue Pedestrian Bridge, Bronx, NY – BIN 1075310
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1075310-9A 19-03-195-25	Bearing Pad	At west abutment bearing location	Black Homogeneous NOB	86.1	10.5	3.4	0%	100%	NAD inconclusive	NAD
1075310-9B 19-03-195-26	Bearing Pad	At west abutment bearing location	Black Homogeneous NOB	85.6	8.6	5.8	0%	100%	NAD inconclusive	NAD
1075310-9C 19-03-195-27	Bearing Pad	At west abutment bearing location	Black Homogeneous NOB	76.2	20.9	2.9	0%	100%	NAD inconclusive	NAD

Date Received: 3/26/19
Date of PLM Analysis: 3/28/19
Date of TEM Analysis: 3/29/19
Date of Report: 3/29/19

PLM Analyst: L. Tchorzewski
TEM Analyst: H.Ran

Analyst: L. Tchorzewski

QC Review / Date: D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-03-195

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: Bryant Avenue Pedestrian Bridge , Bronx, NY - BIN 1075310

SPECIAL INSTRUCTIONS TO LABORATORY: Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
1075310-1A	1	Black Bituminous Caulk	N/A	At the bottom of the west stairs
1075310-1B		Black Bituminous Caulk		At the bottom of the west stairs
1075310-1C		Black Bituminous Caulk		At the bottom of the west stairs
1075310-2A	2	Black Caulk	N/A	Within joint running along the west stairs
1075310-2B		Black Caulk		Within joint running along the west stairs
1075310-2C		Black Caulk		Within joint running along the east stairs
1075310-3A	3	Green Paint	N/A	On structural steel parapet
1075310-3B		Green Paint		On structural steel railings
1075310-3C		Green Paint		On structural steel girders
1075310-4A	4	Pliable Blue/Gray Caulk	N/A	Within expansion joint above abutment
1075310-4B		Pliable Blue/Gray Caulk		Within expansion joint on top of bridge
1075310-4C		Pliable Blue/Gray Caulk		Within expansion joint, top of deck (beneath Sheridan Pkwy)
1075310-5A	5	Beige Coating	N/A	Coating (patch) on the west stairs
1075310-5B		Beige Coating		Coating (patch) on the west stairs
1075310-5C		Beige Coating		Coating (patch) on the west stairs
1075310-6A	6	Gray Caulk	N/A	Within joint at top of west stairs
1075310-6B		Gray Caulk		Within joint at top of west stairs
1075310-6C		Gray Caulk		Within joint at top of west stairs
1075310-7A	7	Hard Gray Caulk	N/A	At the base of the steel parapet, top of deck
1075310-7B		Hard Gray Caulk		At the base of the steel parapet, top of deck
1075310-7C		Hard Gray Caulk		At the base of the steel parapet, top of deck
1075310-8A	8	Gray Paint	N/A	West abutment wall
1075310-8B		Gray Paint		West abutment wall
1075310-8C		Gray Paint		Sidewall associated with west abutment

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 3/25/19 4:30pm

Received By: Date/Time: 3/26/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Comments:

Acceptable:

Other (Explain):

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-03-195

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter	TURNAROUND TIME: 72 Hours
PROJECT NUMBER: 18010 / CLIENT: Dewberry / NYSDOT	SPECIAL INSTRUCTIONS TO LABORATORY: Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs
LOCATION: WB Bruckner Expressway over Amtrak/CSX , Bronx, NY - BIN 2075351	ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
1075310-9A	9	Bearing Pad	N/A	At west abutment bearing location
1075310-9B		Bearing Pad		At west abutment bearing location
1075310-9C		Bearing Pad		At west abutment bearing location

Collected By: Glenn Umstetter	Collector's Signature:
Relinquished By: Date/Time: 3/25/19 4:3 pm	Received By: Date/Time: 3/26/19
Relinquished By: Date/Time:	Received By: Date/Time:
Method of shipment: Mail	Sample Condition Upon Receipt:
Comments:	Acceptable: Other (Explain):

BIN 107581A – Ramp Y
(from the westbound Bruckner Expressway to Bronx River Avenue)

alpha Labs
14-26 28th Avenue Long Island City, NY 11102
Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry – Ramp Y, Bronx, NY – BIN 107581A
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
107581A-1A 19-03-185-01	Beige coating	Around the bolts under the black fence	Beige Homogeneous NOB	32.0	13.0	55.0	0%	100%	**NAD** inconclusive	**NAD**
107581A-1B 19-03-185-02	Beige coating	Around the bolts under the black fence	Beige Homogeneous NOB	51.8	8.8	39.4	0%	100%	**NAD** inconclusive	**NAD**
107581A-1C 19-03-185-03	Beige coating	Around the bolts under the black fence	Beige Homogeneous NOB	48.4	4.7	47.0	0%	100%	**NAD** inconclusive	**NAD**
107581A-2A 19-03-185-04	Sealant	Around old fence posts in the parapet wall	Lt. Gray Homogeneous NOB	24.8	55.3	19.9	0%	95%	**5.0% CH**	
107581A-2B 19-03-185-05	Sealant	Around old fence posts in the parapet wall	Lt. Gray Homogeneous NOB	12.6	64.9	22.5			NA/PS	
107581A-2C 19-03-185-06	Sealant	Around old fence posts in the parapet wall	Lt. Gray Homogeneous NOB	15.5	65.8	18.7			NA/PS	
107581A-3A 19-03-185-07	Caulk	Within one joint of ramp barrier/parapet	Gray Homogeneous NOB	15.4	69.0	15.6	0%	96.5%	**3.5% CH**	
107581A-3B 19-03-185-08	Caulk	Within one joint of ramp barrier/parapet	Gray Homogeneous NOB	10.5	62.3	27.2			NA/PS	
107581A-3C 19-03-185-09	Caulk	Within one joint of ramp barrier/parapet	Gray Homogeneous NOB	14.2	66.3	19.5			NA/PS	
107581A-4A 19-03-185-10	Black Tar	On the ramp sidewalk	Black Homogeneous NOB	65.6	32.7	1.7	0%	100%	**NAD** inconclusive	**NAD**
107581A-4B 19-03-185-11	Black Tar	On the ramp sidewalk	Black Homogeneous NOB	64.0	34.7	1.2	0%	100%	**NAD** inconclusive	**NAD**
107581A-4C 19-03-185-12	Black Tar	On the ramp sidewalk	Black Homogeneous NOB	68.3	24.2	7.5	0%	100%	**NAD** inconclusive	**NAD**

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry – Ramp Y, Bronx, NY – BIN 107581A
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
107581A-5A 19-03-185-13	Black Joint Filler	Within joint of north side of retaining wall	Black Homogeneous NOB	96.0	1.8	2.2	0%	100%	**NAD** inconclusive	**NAD**
107581A-5B 19-03-185-14	Black Joint Filler	Within joint of north side of retaining wall	Black Homogeneous NOB	90.5	5.5	4.0	0%	100%	**NAD** inconclusive	**NAD**
107581A-5C 19-03-185-15	Black Joint Filler	Within joint of north side of retaining wall	Black Homogeneous NOB	85.6	5.8	8.5	0%	100%	**NAD** inconclusive	**NAD**
107581A-6A 19-03-185-16	Black mastic	At the top of south parapet wall (near abutment)	Black Homogeneous NOB	69.8	9.8	20.4	0%	100%	**NAD** inconclusive	
107581A-6B 19-03-185-17	Black mastic	At the top of south parapet wall (near abutment)	Black Homogeneous NOB	82.2	7.3	10.5	0%	100%	**NAD** inconclusive	
107581A-6C 19-03-185-18	Black mastic	At the top of south parapet wall (near abutment)	Black Homogeneous NOB	65.5	17.4	17.1	0%	95.7%	**4.3% CH**	
107581A-7A 19-03-185-19	Black mastic	At the guard rail of Bruckner Expwy abutting ramp	Black Homogeneous NOB	91.9	6.4	1.7	0%	100%	**NAD** inconclusive	**NAD**
107581A-7B 19-03-185-20	Black mastic	At the guard rail of Bruckner Expwy abutting ramp	Black Homogeneous NOB	82.8	14.1	3.1	0%	100%	**NAD** inconclusive	**NAD**
107581A-7C 19-03-185-21	Black mastic	At the guard rail of Bruckner Expwy abutting ramp	Black Homogeneous NOB	91.4	7.2	1.5	0%	100%	**NAD** inconclusive	**NAD**

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry – Ramp Y, Bronx, NY – BIN 107581A
PROJECT: 18010

Date Received: 3/25/19
Date of PLM Analysis: 3/27/19
Date of TEM Analysis: 3/28/19
Date of Report: 3/28/19

PLM Analyst: D. Molohides
TEM Analyst: A. Ansari

Analyst: _____
D. Molohides

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-03-185

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: Ramp Y, Bronx, NY - BIN 107581A

SPECIAL INSTRUCTIONS TO LABORATORY:
Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
107581A-1A	1	Beige Coating	N/A	Around the bolts under the black fence
107581A-1B		Beige Coating		Around the bolts under the black fence
107581A-1C		Beige Coating		Around the bolts under the black fence
107581A-2A	2	Sealant	N/A	Around old fence posts in the parapet wall
107581A-2B		Sealant		Around old fence posts in the parapet wall
107581A-2C		Sealant		Around old fence posts in the parapet wall
107581A-3A	3	Caulk	N/A	Within one joint of ramp barrier/parapet
107581A-3B		Caulk		Within one joint of ramp barrier/parapet
107581A-3C		Caulk		Within one joint of ramp barrier/parapet
107581A-4A	4	Black Tar	N/A	On the ramp sidewalk
107581A-4B		Black Tar		On the ramp sidewalk
107581A-4C		Black Tar		On the ramp roadway
107581A-5A	5	Black Joint Filler	N/A	Within joint of north side of retaining wall
107581A-5B		Black Joint Filler		Within joint of north side of retaining wall
107581A-5C		Black Joint Filler		Within joint of north side of retaining wall
107581A-6A	6	Black Mastic	N/A	At the top of south parapet wall (near abutment)
107581A-6B		Black Mastic		At the top of south parapet wall (near abutment)
107581A-6C		Black Mastic		At the top of south parapet wall (near abutment)
107581A-7A	7	Black Mastic	N/A	At the guard rail of Bruckner Expressway abutting ramp
107581A-7B		Black Mastic		At the guard rail of Bruckner Expressway abutting ramp
107581A-7C		Black Mastic		At the guard rail of Bruckner Expressway abutting ramp

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 3/22/19 4:30pm

Received By: Date/Time: 3/25/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Comments:

Acceptable:

Other (Explain):

BIN 1075819 – Bruckner Expressway (over Bronx River Avenue)

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –Bruckner Expressway over Bronx River Avenue, Bronx, NY – BIN 1075819
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1075819-1A 19-03-186-01	Gray Caulk	Within vertical joint of the northwest sidewalk (1st joint from abutment)	Gray Homogeneous NOB	84.9	5.3	9.8	0%	100%	**NAD** inconclusive	**NAD**
1075819-1B 19-03-186-02	Gray Caulk	Within vertical joint of the northwest sidewalk (1st joint from abutment)	Gray Homogeneous NOB	87.2	3.8	9.1	0%	100%	**NAD** inconclusive	**NAD**
1075819-1C 19-03-186-03	Gray Caulk	Within vertical joint of the northwest sidewalk (2nd joint from abutment)	Gray Homogeneous NOB	85.0	3.9	11.0	0%	100%	**NAD** inconclusive	**NAD**
1075819-2A 19-03-186-04	Joint Filler	Within vertical joint of the northwest sidewalk (beneath gray caulk)	Black Homogeneous NOB	92.9	4.9	2.2	0%	100%	**NAD** inconclusive	**NAD**
1075819-2B 19-03-186-05	Joint Filler	Within vertical joint of the northwest sidewalk (beneath gray caulk)	Black Homogeneous NOB	91.1	5.4	3.5	0%	100%	**NAD** inconclusive	**NAD**
1075819-2C 19-03-186-06	Joint Filler	Within vertical joint of the northwest sidewalk (beneath gray caulk)	Black Homogeneous NOB	81.9	16.0	2.0	0%	100%	**NAD** inconclusive	**NAD**
1075819-3A 19-03-186-07	Old Caulk	Within vertical joint of the northwest sidewalk (2nd joint from abutment)	Gray Homogeneous NOB	24.4	49.6	26.0	0%	95.5%	**4.5% CH**	
1075819-3B 19-03-186-08	Old Caulk	Within vertical joint of the northwest sidewalk (3rd joint from abutment)	Gray Homogeneous NOB	19.0	58.1	23.0			NA/PS	
1075819-3C 19-03-186-09	Old Caulk	Within vertical joint of the northwest sidewalk (4th joint from abutment)	Gray Homogeneous NOB	16.5	66.4	17.2			NA/PS	
1075819-4A 19-03-186-10	Bearing Pad	West abutment at bearing plate (north fascia)	Beige/Orange Homogeneous NOB	46.7	19.0	34.3	0%	100%	**NAD** inconclusive	**NAD**
1075819-4B 19-03-186-11	Bearing Pad	West abutment at bearing plate (3rd bearing from south)	Beige/Orange Homogeneous NOB	49.8	28.0	22.2	0%	100%	**NAD** inconclusive	**NAD**
1075819-4C 19-03-186-12	Bearing Pad	Pier #8 at bearing plate (north fascia)	Beige/Orange Homogeneous NOB	52.6	21.4	25.9	0%	100%	**NAD** inconclusive	**NAD**

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –Bruckner Expressway over Bronx River Avenue, Bronx, NY – BIN 1075819
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1075819-5A 19-03-186-13	Light Green Paint	On structural beams	Lt. Green Homogeneous NOB	42.1	5.7	52.2	0%	100%	NAD inconclusive	NAD
1075819-5B 19-03-186-14	Light Green Paint	On structural beams	Lt. Green Homogeneous NOB	41.4	9.1	49.5	0%	100%	NAD inconclusive	NAD
1075819-5C 19-03-186-15	Light Green Paint	On structural beams	Lt. Green Homogeneous NOB	38.3	6.9	54.7	0%	100%	NAD inconclusive	NAD
1075819-6A 19-03-186-16	Gray Paint	On pier columns	Gray Homogeneous NOB	32.3	42.3	25.5	0%	100%	NAD inconclusive	NAD
1075819-6B 19-03-186-17	Gray Paint	On pier columns	Gray Homogeneous NOB	31.7	41.0	27.3	0%	100%	NAD inconclusive	NAD
1075819-6C 19-03-186-18	Gray Paint	On pier columns	Gray Homogeneous NOB	31.5	43.6	25.0	0%	100%	NAD inconclusive	NAD
1075819-7A 19-03-186-19	Bond Breaker	On the top of the west abutment backwall	Gray Homogeneous Friable	Not Applicable			0%	20%	80% CH	
1075819-7B 19-03-186-20	Bond Breaker	On the top of the west abutment backwall	Gray Homogeneous Friable	Not Applicable					NA/PS	
1075819-7C 19-03-186-21	Bond Breaker	On the top of the west abutment backwall	Gray Homogeneous Friable	Not Applicable					NA/PS	
1075819-8A 19-03-186-22	Joint Filler	At the horizontal expansion joint of the west abutment	Black Homogeneous NOB	93.6	3.3	3.1	0%	100%	NAD inconclusive	NAD
1075819-8B 19-03-186-23	Joint Filler	At the horizontal expansion joint of the west abutment	Black Homogeneous NOB	93.1	2.6	4.3	0%	100%	NAD inconclusive	NAD
1075819-8C 19-03-186-24	Joint Filler	At the horizontal expansion joint of the west abutment	Black Homogeneous NOB	96.1	2.7	1.2	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –Bruckner Expressway over Bronx River Avenue, Bronx, NY – BIN 1075819
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1075819-9A 19-03-186-25	Compressed Joint Filler	In the northwest sidewall, running along the top of the brick	Black Homogeneous NOB	54.5	6.1	39.4	0%	100%	NAD inconclusive	NAD
1075819-9B 19-03-186-26	Compressed Joint Filler	In the northwest sidewall, running along the top of the brick	Black Homogeneous NOB	56.5	7.9	35.6	0%	100%	NAD inconclusive	NAD
1075819-9C 19-03-186-27	Compressed Joint Filler	In the northwest sidewall, running along the top of the brick	Black Homogeneous NOB	55.8	8.5	35.7	0%	100%	NAD inconclusive	NAD

Date Received: 3/25/19
Date of PLM Analysis: 3/27/19
Date of TEM Analysis: 3/28/19
Date of Report: 3/28/19

PLM Analyst: D. Molohides
TEM Analyst: A. Ansari

Analyst: _____
D. Molohides

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-03-186

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: Bruckner Expressway over Bronx River Avenue , Bronx, NY - BIN 1075819

SPECIAL INSTRUCTIONS TO LABORATORY:

Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
1075819-1A	1	Gray Caulk	N/A	Within vertical joint of the northwest sidewall (1st joint from abutment)
1075819-1B		Gray Caulk		Within vertical joint of the northwest sidewall (1st joint from abutment)
1075819-1C		Gray Caulk		Within vertical joint of the northwest sidewall (2nd joint from abutment)
1075819-2A	2	Joint Filler	N/A	Within vertical joint of the northwest sidewall (beneath gray caulk)
1075819-2B		Joint Filler		Within vertical joint of the northwest sidewall (beneath gray caulk)
1075819-2C		Joint Filler		Within vertical joint of the northwest sidewall (beneath gray caulk)
1075819-3A	3	Old Caulk	N/A	Within vertical joint of the northwest sidewall (2nd joint from abutment)
1075819-3B		Old Caulk		Within vertical joint of the northwest sidewall (3rd joint from abutment)
1075819-3C		Old Caulk		Within vertical joint of the northwest sidewall (4th joint from abutment)
1075819-4A	4	Bearing Pad	N/A	West abutment at bearing plate (north fascia)
1075819-4B		Bearing Pad		West abutment at bearing plate (3rd bearing from south)
1075819-4C		Bearing Pad		Pier #8 at bearing plate (north fascia)
1075819-5A	5	Light Green Paint	N/A	On structural steel beams
1075819-5B		Light Green Paint		On structural steel beams
1075819-5C		Light Green Paint		On structural steel beams
1075819-6A	6	Gray Paint	N/A	On pier columns
1075819-6B		Gray Paint		On pier columns
1075819-6C		Gray Paint		On pier columns
1075819-7A	7	Bond Breaker	N/A	On the top of the west abutment backwall
1075819-7B		Bond Breaker		On the top of the west abutment backwall
1075819-7C		Bond Breaker		On the top of the west abutment backwall
1075819-8A	8	Joint Filler	N/A	At the horizontal expansion joint of the west abutment
1075819-8B		Joint Filler		At the horizontal expansion joint of the west abutment
1075819-8C		Joint Filler		At the horizontal expansion joint of the west abutment

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 3/22/19 4:30pm

Received By: Date/Time: 3/25/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Acceptable:

Other (Explain):

Comments:

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.

1983 Marcus Avenue, Suite 109
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CHAIN-OF-CUSTODY

19-02-186

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: Bruckner Expressway over Bronx River Avenue , Bronx, NY - BIN 1075819

SPECIAL INSTRUCTIONS TO LABORATORY:

Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED

PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
1075819-9A	9	Compressed Joint Filler	N/A	In the northwest sidewall, running along the top of the brick
1075819-9B		Compressed Joint Filler		In the northwest sidewall, running along the top of the brick
1075819-9C		Compressed Joint Filler		In the northwest sidewall, running along the top of the brick

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 3/22/19 4:30pm

Received By: Date/Time: 3/25/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Acceptable:

Other (Explain):

Comments:

BIN 1076690 – Westchester Avenue Exit Ramp

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, Westchester Avenue Exit Ramp – Bronx, NY, – BIN 1076690
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1076690-1A 19-04-145-01	Brown Joint Filler	Within joints of barrier between ramp and Sheridan Expressway	Dk. Brown Homogeneous NOB	54.5	7.7	37.7	0%	100%	NAD inconclusive	NAD
1076690-1B 19-04-145-02			Dk. Brown Homogeneous NOB	54.1	7.0	38.8	0%	100%	NAD inconclusive	NAD
1076690-1C 19-04-145-03			Dk. Brown Homogeneous NOB	79.9	6.8	13.2	0%	100%	NAD inconclusive	NAD
1076690-2A 19-04-145-04	Beige Paint	On concrete parapet wall of ramp (west side)	Gray Homogeneous NOB	23.5	36.3	40.1	0%	100%	NAD inconclusive	NAD
1076690-2B 19-04-145-05			Gray Homogeneous NOB	22.8	24.4	52.8	0%	100%	NAD inconclusive	NAD
1076690-2C 19-04-145-06			Gray Homogeneous NOB	21.5	32.3	46.2	0%	100%	NAD inconclusive	NAD
1076690-3A 19-04-145-07	Brown Paint	On concrete sidewall at south abutment area (west side)	Brown Homogeneous NOB	27.9	33.5	38.6	0%	100%	NAD inconclusive	NAD
1076690-3B 19-04-145-08			Brown Homogeneous NOB	42.2	31.2	26.7	0%	100%	NAD inconclusive	NAD
1076690-3C 19-04-145-09			Brown Homogeneous NOB	39.3	27.4	33.3	0%	100%	NAD inconclusive	NAD
1076690-4A 19-04-145-10	Green Paint	On structural steel girders	Green Homogeneous NOB	49.4	31.0	19.6	0%	100%	NAD inconclusive	NAD
1076690-4B 19-04-145-11			Green Homogeneous NOB	49.9	28.2	21.9	0%	100%	NAD inconclusive	NAD
1076690-4C 19-04-145-12			Green Homogeneous NOB	46.2	27.2	26.6	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, Westchester Avenue Exit Ramp – Bronx, NY, – BIN 1076690
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1076690-5A 19-04-145-13	Gray Paint	On concrete pier (pier #2)	Green Homogeneous NOB	31.6	43.7	24.7	0%	100%	NAD inconclusive	NAD
1076690-5B 19-04-145-14		On concrete pier (pier #3)	Green Homogeneous NOB	26.8	39.5	33.7	0%	100%	NAD inconclusive	NAD
1076690-5C 19-04-145-15		On concrete pier (pier #4)	Green Homogeneous NOB	29.5	45.1	25.4	0%	100%	NAD inconclusive	NAD
1076690-6A 19-04-145-16	Bearing Pad Material	At bearing location (pier #3)	Black Homogeneous NOB	60.7	9.2	30.1	0%	100%	NAD inconclusive	NAD
1076690-6B 19-04-145-17		At bearing location (pier #3)	Black Homogeneous NOB	64.5	8.5	27.0	0%	100%	NAD inconclusive	NAD
1076690-6C 19-04-145-18		At bearing location (pier #2)	Black Homogeneous NOB	65.3	11.5	23.2	0%	100%	NAD inconclusive	NAD
1076690-7A 19-04-145-19	Multi-layered Paint	At north abutment wall	White/Red/Brwn Homogeneous NOB	33.0	41.3	25.7	0%	100%	NAD inconclusive	NAD
1076690-7B 19-04-145-20		At north abutment wall	White/Red/Brwn Homogeneous NOB	31.9	39.5	28.6	0%	100%	NAD inconclusive	NAD
1076690-7C 19-04-145-21		At pier #7	White/Red/Brwn Homogeneous NOB	31.2	42.0	26.8	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, Westchester Avenue Exit Ramp – Bronx, NY, – BIN 1076690
PROJECT: 18010

Date Received: 4/16/19
Date of PLM Analysis: 4/18/19
Date of TEM Analysis: 4/18/19
Date of Report: 4/19/19

PLM Analyst: D. Kogan
TEM Analyst: A. Ansari

Analyst: _____ D. Kogan

QC Review / Date: _____ D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-04-145

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: Westchester Avenue Exit Ramp , Bronx, NY - BIN 1076690

SPECIAL INSTRUCTIONS TO LABORATORY: Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
1076690-1A	1	Brown Joint Filler	N/A	Within joints of barrier between ramp and Sheridan Expressway
1076690-1B		Brown Joint Filler		Within joints of barrier between ramp and Sheridan Expressway
1076690-1C		Brown Joint Filler		Within joints of barrier between ramp and Sheridan Expressway
1076690-2A	2	Beige Paint	N/A	On concrete parapet wall of ramp (west side)
1076690-2B		Beige Paint		On concrete parapet wall of ramp (west side)
1076690-2C		Beige Paint		On concrete parapet wall of ramp (west side)
1076690-3A	3	Brown Paint	N/A	On concrete sidewall at south abutment area (west side)
1076690-3B		Brown Paint		On concrete sidewall at south abutment area (west side)
1076690-3C		Brown Paint		On concrete sidewall at south abutment area (west side)
1076690-4A	4	Green Paint	N/A	On structural steel girders
1076690-4B		Green Paint		On structural steel girders
1076690-4C		Green Paint		On structural steel girders
1076690-5A	5	Gray Paint	N/A	On concrete pier (pier #2)
1076690-5B		Gray Paint		On concrete pier (pier #3)
1076690-5C		Gray Paint		On concrete pier (pier #4)
1076690-6A	6	Bearing Pad Material	N/A	At bearing location (pier #3)
1076690-6B		Bearing Pad Material		At bearing location (pier #3)
1076690-6C		Bearing Pad Material		At bearing location (pier #2)
1076690-7A	7	Multi-layered Paint	N/A	At north abutment wall
1076690-7B		Multi-layered Paint		At north abutment wall
1076690-7C		Multi-layered Paint		At pier #7

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 4/15/19 5:00pm

Received By: Date/Time: 4/16/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Comments:

Acceptable:

Other (Explain):

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, Westchester Avenue Exit Ramp, Bronx, NY – **BIN 1076690**
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1076690-8A 19-04-197-01	Gray Caulk	Within expansion joints (joint at south abutment)	Dk. Gray Homogeneous NOB	39.5	27.8	32.7	0%	100%	NAD inconclusive	NAD
1076690-8B 19-04-197-02	Gray Caulk	Within expansion joints (joint at pier#1)	Dk. Gray Homogeneous NOB	47.9	25.3	26.8	0%	100%	NAD inconclusive	NAD
1076690-8C 19-04-197-03	Gray Caulk	Within expansion joints (joint at pier#2)	Dk. Gray Homogeneous NOB	48.7	24.1	27.3	0%	100%	NAD inconclusive	NAD
1076690-9A 19-04-197-04	Joint Filler	Within joint of concrete barrier of ramp (east side	Dk. Brown Homogeneous NOB	80.7	12.7	6.6	0%	100%	NAD inconclusive	NAD
1076690-9B 19-04-197-05	Joint Filler	Within joint of concrete barrier of ramp (east side	Dk. Brown Homogeneous NOB	86.2	5.8	8.0	0%	100%	NAD inconclusive	NAD
1076690-9C 19-04-197-06	Joint Filler	Within joint of concrete barrier of ramp (east side	Dk. Brown Homogeneous NOB	92.4	5.6	1.9	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, Westchester Avenue Exit Ramp, Bronx, NY – **BIN 1076690**
PROJECT: 18010

Date Received: 4/23/19
Date of PLM Analysis: 4/24/19
Date of TEM Analysis: 4/24/19
Date of Report: 4/24/19

PLM Analyst: D. Kogan
TEM Analyst: A. Ansari

Analyst: D. Kogan

QC Review / Date: D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

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Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

19-04-197

CHAIN-OF-CUSTODY

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 24 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: Westchester Avenue Exit Ramp , Bronx, NY - BIN 1076690

SPECIAL INSTRUCTIONS TO LABORATORY:

Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED

PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
1076690-8A	8	Gray Caulk	N/A	Within expansion joints (joint at south abutment)
1076690-8B		Gray Caulk		Within expansion joints (joint at pier #1)
1076690-8C		Gray Caulk		Within expansion joints (joint at pier #2)
1076690-9A	9	Joint Filler	N/A	Within joint of concrete barrier of ramp (east side)
1076690-9B		Joint Filler		Within joint of concrete barrier of ramp (east side)
1076690-9C		Joint Filler		Within joint of concrete barrier of ramp (east side)

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: [signature] Date/Time: 4/22/19 5:00pm

Received By: [signature] Date/Time:

Relinquished By: Date/Time:

Received By: L Tchorzewski Date/Time: 4/23/19

Method of shipment: Mail

Sample Condition Upon Receipt:

Acceptable:

Other (Explain):

Comments:

BIN 2066671 – Eastern Boulevard Bridge
(westbound lanes of the Bruckner Expressway over the Bronx River)

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry – Eastern Blvd Bridge (WB lanes of Bruckner Expwy), Bronx, NY – BIN 2066671
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
2066671-1A 19-03-161-01	Gray Paint	On the parapet wall	Gray/White Homogeneous NOB	42.2	12.0	45.8	0%	100%	NAD inconclusive	NAD
2066671-1B 19-03-161-02	Gray Paint	On the parapet wall	Gray/White Homogeneous NOB	41.9	11.7	46.4	0%	100%	NAD inconclusive	NAD
2066671-1C 19-03-161-03	Gray Paint	On the parapet wall	Gray/White Homogeneous NOB	42.9	17.5	39.6	0%	100%	NAD inconclusive	NAD
2066671-2A 19-03-161-04	Gray Paint	On the railing along sidewalk	Gray Homogeneous NOB	73.9	11.3	14.8	0%	100%	NAD inconclusive	NAD
2066671-2B 19-03-161-05	Gray Paint	On the railing along sidewalk	Gray Homogeneous NOB	78.2	12.9	8.9	0%	100%	NAD inconclusive	NAD
2066671-2C 19-03-161-06	Gray Paint	On the railing along sidewalk	Gray Homogeneous NOB	76.0	10.8	13.2	0%	100%	NAD inconclusive	NAD
2066671-3A 19-03-161-07	Blue Paint	On structural steel beam	Blue Homogeneous NOB	28.5	23.9	47.7	0%	100%	NAD inconclusive	NAD
2066671-3B 19-03-161-08	Blue Paint	On structural steel beam	Blue Homogeneous NOB	23.9	5.3	70.8	0%	100%	NAD inconclusive	NAD
2066671-3C 19-03-161-09	Blue Paint	On structural steel beam	Blue Homogeneous NOB	31.6	5.7	62.7	0%	100%	NAD inconclusive	NAD
2066671-4A 19-03-161-10	Bituminous Joint Caulk	Within the sidewalk joints (west approach)	Black Homogeneous NOB	63.7	6.6	29.7	0%	100%	NAD inconclusive	NAD
2066671-4B 19-03-161-11	Bituminous Joint Caulk	Within the sidewalk joints (west approach)	Black Homogeneous NOB	94.0	1.6	4.4	0%	100%	NAD inconclusive	NAD
2066671-4C 19-03-161-12	Bituminous Joint Caulk	Within the sidewalk joints (east approach)	Black Homogeneous NOB	68.2	15.4	16.4	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry – Eastern Blvd Bridge (WB lanes of Bruckner Expwy), Bronx, NY – BIN 2066671
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
2066671-5A 19-03-161-13	Caulk	Within the east approach sidewalk joint	Lt. Gray Homogeneous NOB	47.6	37.5	14.9	0%	100%	NAD inconclusive	NAD
2066671-5B 19-03-161-14	Caulk	Within the east approach sidewalk joint	Lt. Gray Homogeneous NOB	47.3	41.6	11.1	0%	100%	NAD inconclusive	NAD
2066671-5C 19-03-161-15	Caulk	Within the east approach sidewalk joint	Lt. Gray Homogeneous NOB	47.2	42.3	10.5	0%	100%	NAD inconclusive	NAD
2066671-6A 19-03-161-16	Tar	Within the east approach sidewalk joint	Black Homogeneous NOB	63.3	7.0	29.6	0%	100%	NAD inconclusive	NAD
2066671-6B 19-03-161-17	Tar	Within the east approach sidewalk joint	Black Homogeneous NOB	38.9	8.7	52.5	0%	100%	NAD inconclusive	NAD
2066671-6C 19-03-161-18	Tar	Within the east approach sidewalk joint	Black Homogeneous NOB	59.5	8.8	31.7	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry – Eastern Blvd Bridge (WB lanes of Bruckner Expwy), Bronx, NY – BIN 2066671
PROJECT: 18010

Date Received: 3/22/19
Date of PLM Analysis: 3/25/19
Date of TEM Analysis: 3/25/19
Date of Report: 3/26/19

PLM Analyst: L. Tchorzewski
TEM Analyst: A. Ansari

Analyst: L. Tchorzewski

QC Review / Date: D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-03-161

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: **Glenn Umstetter**

TURNAROUND TIME: **72 Hours**

PROJECT NUMBER: **18010**

CLIENT: **Dewberry / NYSDOT**

LOCATION: **Eastern Blvd Bridge (WB lanes of Bruckner Expwy) , Bronx, NY - BIN 2066671**

SPECIAL INSTRUCTIONS TO LABORATORY:
Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED
PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
2066671-1A	1	Gray Paint	N/A	On the parapet wall
2066671-1B		Gray Paint		On the parapet wall
2066671-1C		Gray Paint		On the parapet wall
2066671-2A	2	Gray Paint	N/A	On the railing along sidewalk
2066671-2B		Gray Paint		On the railing along sidewalk
2066671-2C		Gray Paint		On the railing along sidewalk
2066671-3A	3	Blue Paint	N/A	On structural steel beam
2066671-3B		Blue Paint		On structural steel beam
2066671-3C		Blue Paint		On structural steel beam
2066671-4A	4	Bituminous Joint Caulk	N/A	Within the sidewalk joints (west approach)
2066671-4B		Bituminous Joint Caulk		Within the sidewalk joints (west approach)
2066671-4C		Bituminous Joint Caulk		Within the sidewalk joints (east approach)
2066671-5A	5	Caulk	N/A	Within the east approach sidewalk joint
2066671-5B		Caulk		Within the east approach sidewalk joint
2066671-5C		Caulk		Within the east approach sidewalk joint
2066671-6A	6	Tar	N/A	Within the east approach sidewalk joint
2066671-6B		Tar		Within the east approach sidewalk joint
2066671-6C		Tar		Within the east approach sidewalk joint

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 3/21/19 4:30pm

Received By: George Petrides Date/Time: 3/22/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Comments:

Acceptable:

Other (Explain):

BIN 2066672 – Eastern Boulevard Bridge
(eastbound lanes of the Bruckner Expressway over the Bronx River)

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –Eastern Blvd Bridge (EB lanes of Bruckner Expwy), Bronx, NY - BIN 2066672
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
2066672-1A 19-03-158-01	Blue Paint	On structural steel beam	Blue Homogeneous NOB	15.9	26.4	57.8	0%	100%	NAD inconclusive	NAD
2066672-1B 19-03-158-02	Blue Paint	On structural steel beam	Blue Homogeneous NOB	14.2	5.6	80.2	0%	100%	NAD inconclusive	NAD
2066672-1C 19-03-158-03	Blue Paint	On structural steel beam	Blue Homogeneous NOB	18.2	13.4	68.4	0%	100%	NAD inconclusive	NAD
2066672-2A 19-03-158-04	Gray Paint	On the railing along sidewalk	Dk. Gray Homogeneous NOB	24.4	25.4	50.2	0%	100%	NAD inconclusive	NAD
2066672-2B 19-03-158-05	Gray Paint	On the railing along sidewalk	Dk. Gray Homogeneous NOB	23.6	10.5	65.9	0%	100%	NAD inconclusive	NAD
2066672-2C 19-03-158-06	Gray Paint	On the railing along sidewalk	Dk. Gray Homogeneous NOB	21.7	17.0	61.3	0%	100%	NAD inconclusive	NAD
2066672-3A 19-03-158-07	Beige Paint	On the south parapet wall	Gray Homogeneous NOB	33.4	12.2	54.4	0%	100%	NAD inconclusive	NAD
2066672-3B 19-03-158-08	Beige Paint	On the south parapet wall	Gray Homogeneous NOB	39.6	14.4	46.1	0%	100%	NAD inconclusive	NAD
2066672-3C 19-03-158-09	Beige Paint	On the south parapet wall	Gray Homogeneous NOB	41.1	22.6	36.3	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –Eastern Blvd Bridge (EB lanes of Bruckner Expwy), Bronx, NY - BIN 2066672
PROJECT: 18010

Date Received: 3/22/19
Date of PLM Analysis: 3/23/19
Date of TEM Analysis: 3/23/19
Date of Report: 3/25/19

PLM Analyst: D. Molohides
TEM Analyst: H. Ran

Analyst: _____
D. Molohides

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

19-03-158

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.

1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: **Glenn Umstetter**

TURNAROUND TIME: **72 Hours**

PROJECT NUMBER: **18010**

CLIENT: **Dewberry / NYSDOT**

LOCATION: **Eastern Blvd Bridge (EB lanes of Bruckner Expwy) , Bronx, NY - BIN 2066672**

SPECIAL INSTRUCTIONS TO LABORATORY:

Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED

PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
2066672-1A	1	Blue Paint	N/A	On structural steel beam
2066672-1B		Blue Paint		On structural steel beam
2066672-1C		Blue Paint		On structural steel beam
2066672-2A	2	Gray Paint	N/A	On the railing along sidewalk
2066672-2B		Gray Paint		On the railing along sidewalk
2066672-2C		Gray Paint		On the railing along sidewalk
2066672-3A	3	Beige Paint	N/A	On the south parapet wall
2066672-3B		Beige Paint		On the south parapet wall
2066672-3C		Beige Paint		On the south parapet wall

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 3/21/19 4:30pm

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Honeyxan Lan Date/Time: 3/22/19 10:15AM

Method of shipment: Mail

Sample Condition Upon Receipt:

Comments:

Acceptable: ✓

Other (Explain):

BIN 2075351 – Railroad Crossing
(westbound lanes of Bruckner Boulevard and the Bruckner Expressway over Amtrak/CSX)

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –WB Bruckner Expressway over Amtrak/CSX, Bronx, NY – BIN 2075351
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
2075351-1A 19-03-196-01	Beige Paint	On the concrete parapet wall	Beige Homogeneous NOB	31.0	14.4	54.6	0%	100%	NAD inconclusive	NAD
2075351-1B 19-03-196-02	Beige Paint	On the concrete roadway barrier	Beige Homogeneous NOB	32.4	20.8	46.9	0%	100%	NAD inconclusive	NAD
2075351-1C 19-03-196-03	Beige Paint	On the concrete parapet wall	Beige Homogeneous NOB	32.2	15.8	52.0	0%	100%	NAD inconclusive	NAD
2075351-2A 19-03-196-04	Joint Caulk	Vertical barrier joints of barrier between sidewalk and roadway	Gray Homogeneous NOB	54.3	15.9	29.7	0%	100%	NAD inconclusive	NAD
2075351-2B 19-03-196-05	Joint Caulk	Vertical barrier joints of barrier between sidewalk and roadway	Gray Homogeneous NOB	52.6	23.0	24.3	0%	100%	NAD inconclusive	NAD
2075351-2C 19-03-196-06	Joint Caulk	Vertical barrier joints of barrier between sidewalk and roadway	Gray Homogeneous NOB	54.8	24.7	20.5	0%	100%	NAD inconclusive	NAD
2075351-3A 19-03-196-07	Joint Filler	Beneath the joint caulk of the roadside barrier	Black Homogeneous NOB	50.8	15.1	34.1	0%	100%	NAD inconclusive	NAD
2075351-3B 19-03-196-08	Joint Filler	Beneath the joint caulk of the roadside barrier	Black Homogeneous NOB	55.2	12.7	32.1	0%	100%	NAD inconclusive	NAD
2075351-3C 19-03-196-09	Joint Filler	Beneath the joint caulk of the roadside barrier	Black Homogeneous NOB	59.1	11.7	29.2	0%	100%	NAD inconclusive	NAD
2075351-4A 19-03-196-10	Caulk	Within sidewalk joint	Gray Homogeneous NOB	48.6	22.7	28.7	0%	100%	NAD inconclusive	NAD
2075351-4B 19-03-196-11	Caulk	Within sidewalk joint	Gray Homogeneous NOB	43.6	46.6	9.8	0%	100%	NAD inconclusive	NAD
2075351-4C 19-03-196-12	Caulk	Within the joint running along base at parapet wall	Gray Homogeneous NOB	52.9	14.2	32.9	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –WB Bruckner Expressway over Amtrak/CSX, Bronx, NY – BIN 2075351
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
2075351-5A 19-03-196-13	Blue Paint	On the structural steel bridge	Blue Homogeneous NOB	22.9	15.2	61.9	0%	100%	NAD inconclusive	NAD
2075351-5B 19-03-196-14	Blue Paint	On the structural steel bridge	Blue Homogeneous NOB	14.3	28.8	56.9	0%	100%	NAD inconclusive	NAD
2075351-5C 19-03-196-15	Blue Paint	On the structural steel bridge	Blue Homogeneous NOB	15.9	14.9	69.2	0%	100%	NAD inconclusive	NAD
2075351-6A 19-03-196-16	Gray Caulk	Within the vertical joints of the roadway barriers, left lane	Gray Homogeneous NOB	50.0	25.1	24.9	0%	100%	NAD inconclusive	NAD
2075351-6B 19-03-196-17	Gray Caulk	Within the vertical joints of the roadway barriers, left lane	Gray Homogeneous NOB	52.8	42.9	4.2	0%	100%	NAD inconclusive	NAD
2075351-6C 19-03-196-18	Gray Caulk	Within the vertical joints of the roadway barriers, left lane	Gray Homogeneous NOB	40.0	56.3	3.6	0%	100%	NAD inconclusive	NAD
2075351-7A 19-03-196-19	Joint Filler	Within the joints at the top of the barriers (under gray caulk), left lane	Black Homogeneous NOB	89.3	4.5	6.2	0%	100%	NAD inconclusive	NAD
2075351-7B 19-03-196-20	Joint Filler	Within the joints at the top of the barriers (under gray caulk), left lane	Black Homogeneous NOB	92.8	2.7	4.5	0%	100%	NAD inconclusive	NAD
2075351-7C 19-03-196-21	Joint Filler	Within the joints at the top of the barriers (under gray caulk), left lane	Black Homogeneous NOB	91.0	3.5	5.4	0%	100%	NAD inconclusive	NAD
2075351-8A 19-03-196-22	Beige Coating	At the concrete barrier joints of the left lane	Beige Homogeneous NOB	62.6	34.7	2.7	0%	100%	NAD inconclusive	NAD
2075351-8B 19-03-196-23	Beige Coating	At the concrete barrier joints of the left lane	Beige Homogeneous NOB	57.7	34.9	7.4	0%	100%	NAD inconclusive	NAD
2075351-8C 19-03-196-24	Beige Coating	At the concrete barrier joints of the left lane	Beige Homogeneous NOB	59.4	31.9	8.7	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –WB Bruckner Expressway over Amtrak/CSX, Bronx, NY – BIN 2075351
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
2075351-9A 19-03-196-25	Beige Caulk	At the base of the concrete barrier wall of the left lane	Beige Homogeneous NOB	76.1	14.4	9.5	0%	100%	NAD inconclusive	NAD
2075351-9B 19-03-196-26	Beige Caulk	At the base of the concrete barrier wall of the left lane	Beige Homogeneous NOB	49.8	19.2	31.1	0%	100%	NAD inconclusive	NAD
2075351-9C 19-03-196-27	Beige Caulk	At the base of the concrete barrier wall of the left lane	Beige Homogeneous NOB	48.7	26.4	24.9	0%	100%	NAD inconclusive	NAD
2075351-10A 19-03-196-28	Black sealant	Along the barrier wall of the left lane	Black Homogeneous NOB	89.6	8.0	2.4	0%	100%	NAD inconclusive	NAD
2075351-10B 19-03-196-29	Black sealant	Along the barrier wall of the left lane	Black Homogeneous NOB	90.0	3.4	6.6	0%	100%	NAD inconclusive	NAD
2075351-10C 19-03-196-30	Black sealant	Along the barrier wall of the left lane	Black Homogeneous NOB	87.8	8.0	4.2	0%	100%	NAD inconclusive	NAD
2075351-11A 19-03-196-31	Glossy Tar	Along the barrier wall of the left lane	Black Homogeneous NOB	96.7	2.2	1.1	0%	100%	NAD inconclusive	NAD
2075351-11B 19-03-196-32	Glossy Tar	Along the barrier wall of the left lane	Black Homogeneous NOB	98.1	0.1	1.8	0%	100%	NAD inconclusive	NAD
2075351-11C 19-03-196-33	Glossy Tar	Along the barrier wall of the left lane	Black Homogeneous NOB	97.5	1.3	1.2	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –WB Bruckner Expressway over Amtrak/CSX, Bronx, NY – BIN 2075351
PROJECT: 18010

Date Received: 3/25/19
Date of PLM Analysis: 3/28/19
Date of TEM Analysis: 3/29/19
Date of Report: 3/29/19

PLM Analyst: L. Tchorzewski
TEM Analyst: H. Ran

Analyst: _____
L. Tchorzewski

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

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Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-03-196

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: WB Bruckner Expressway over Amtrak/CSX , Bronx, NY - BIN 2075351

SPECIAL INSTRUCTIONS TO LABORATORY:

Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
2075351-1A	1	Beige Paint	N/A	On the concrete parapet wall
2075351-1B		Beige Paint		On the concrete roadway barrier
2075351-1C		Beige Paint		On the concrete parapet wall
2075351-2A	2	Joint Caulk	N/A	Vertical barrier joints of barrier between sidewalk and roadway
2075351-2B		Joint Caulk		Vertical barrier joints of barrier between sidewalk and roadway
2075351-2C		Joint Caulk		Vertical barrier joints of barrier between sidewalk and roadway
2075351-3A	3	Joint Filler	N/A	Beneath the joint caulk of the roadside barrier
2075351-3B		Joint Filler		Beneath the joint caulk of the roadside barrier
2075351-3C		Joint Filler		Beneath the joint caulk of the roadside barrier
2075351-4A	4	Caulk	N/A	Within sidewalk joint
2075351-4B		Caulk		Within sidewalk joint
2075351-4C		Caulk		Within the joint running along base of parapet wall
2075351-5A	5	Blue Paint	N/A	On the structural steel bridge
2075351-5B		Blue Paint		On the structural steel bridge
2075351-5C		Blue Paint		On the structural steel bridge
2075351-6A	6	Gray Caulk	N/A	Within the vertical joints of the roadway barriers, left lane
2075351-6B		Gray Caulk		Within the vertical joints of the roadway barriers, left lane
2075351-6C		Gray Caulk		Within the vertical joints of the roadway barriers, left lane
2075351-7A	7	Joint Filler	N/A	Within the joints at the top of the barriers (under gray caulk), left lane
2075351-7B		Joint Filler		Within the joints at the top of the barriers (under gray caulk), left lane
2075351-7C		Joint Filler		Within the joints at the top of the barriers (under gray caulk), left lane
2075351-8A	8	Beige Coating	N/A	At the concrete barrier joints of the left lane
2075351-8B		Beige Coating		At the concrete barrier joints of the left lane
2075351-8C		Beige Coating		At the concrete barrier joints of the left lane

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 3/25/19 4:30 p

Received By: Date/Time: 3/26/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Acceptable

Other (Explain):

Comments: Do not analyze non-suspect foam layer of -8A, -8B, -8C
Do not analyze joint filler layer of -6A, -6B, -6C
Do not analyze joint filler layer of -2A, -2B, -2C

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Lake Success, New York 11042
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CHAIN-OF-CUSTODY

19-03-196

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: WB Bruckner Expressway over Amtrak/CSX , Bronx, NY - BIN 2075351

SPECIAL INSTRUCTIONS TO LABORATORY:
Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED
PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
2075351-9A	9	Beige Caulk	N/A	At the base of the concrete barrier wall of the left lane
2075351-9B		Beige Caulk		At the base of the concrete barrier wall of the left lane
2075351-9C		Beige Caulk		At the base of the concrete barrier wall of the left lane
2075351-10A	10	Black Sealant	N/A	Along the barrier wall of the left lane
2075351-10B		Black Sealant		Along the barrier wall of the left lane
2075351-10C		Black Sealant		Along the barrier wall of the left lane
2075351-11A	11	Glossy Tar	N/A	Along the barrier wall of the left lane
2075351-11B		Glossy Tar		Along the barrier wall of the left lane
2075351-11C		Glossy Tar		Along the barrier wall of the left lane

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 3/25/19 4:30pm

Received By: Date/Time: 3/26/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Comments:

Acceptable: Other (Explain):

BIN 2075352 – Railroad Crossing
(eastbound lanes of Bruckner Boulevard and the Bruckner Expressway over Amtrak/CSX)

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –EB Bruckner Expressway over Amtrak/CSX, Bronx, NY – BIN 2075352
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
2075352-1A 19-03-188-01	Joint Filler	On the southeast parapet corner	Black Homogeneous NOB	89.7	9.1	1.2	0%	100%	NAD inconclusive	NAD
2075352-1B 19-03-188-02	Joint Filler	On the southeast parapet corner	Black Homogeneous NOB	82.1	9.9	8.0	0%	100%	NAD inconclusive	NAD
2075352-1C 19-03-188-03	Joint Filler	On the southeast parapet corner	Black Homogeneous NOB	72.8	15.4	11.9	0%	100%	NAD inconclusive	NAD
2075352-2A 19-03-188-04	Joint Filler	Within the sidewalk joints	Gray Homogeneous NOB	50.2	30.4	19.5	0%	100%	NAD inconclusive	NAD
2075352-2B 19-03-188-05	Joint Filler	Within the sidewalk joints	Gray Homogeneous NOB	48.7	34.1	17.2	0%	100%	NAD inconclusive	NAD
2075352-2C 19-03-188-06	Joint Filler	Within the sidewalk joints	Gray Homogeneous NOB	50.2	36.1	13.7	0%	100%	NAD inconclusive	NAD
2075352-3A 19-03-188-07	Joint Filler	Beneath sidewalk caulk in the sidewalk joints	Black Homogeneous NOB	61.9	35.4	2.7	0%	100%	NAD inconclusive	NAD
2075352-3B 19-03-188-08	Joint Filler	Beneath sidewalk caulk in the sidewalk joints	Black Homogeneous NOB	73.7	21.7	4.6	0%	100%	NAD inconclusive	NAD
2075352-3C 19-03-188-09	Joint Filler	Beneath sidewalk caulk in the sidewalk joints	Black Homogeneous NOB	73.1	25.5	1.5	0%	100%	NAD inconclusive	NAD
2075352-4A 19-03-188-10	Beige Paint	On the concrete parapet wall	Beige Homogeneous NOB	30.8	25.4	43.8	0%	100%	NAD inconclusive	NAD
2075352-4B 19-03-188-11	Beige Paint	On the concrete parapet wall	Beige Homogeneous NOB	29.2	27.7	43.1	0%	100%	NAD inconclusive	NAD
2075352-4C 19-03-188-12	Beige Paint	On the concrete parapet wall	Beige Homogeneous NOB	28.2	27.8	44.0	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –EB Bruckner Expressway over Amtrak/CSX, Bronx, NY – BIN 2075352
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
2075352-5A 19-03-188-13	Glossy Tar	Along the barrier wall of the left lane	Black Homogeneous NOB	93.9	4.2	1.9	0%	100%	NAD inconclusive	NAD
2075352-5B 19-03-188-14	Glossy Tar	Along the barrier wall of the left lane	Black Homogeneous NOB	94.4	4.5	1.1	0%	100%	NAD inconclusive	NAD
2075352-5C 19-03-188-15	Glossy Tar	Along the barrier wall of the left lane	Black Homogeneous NOB	97.4	1.3	1.2	0%	100%	NAD inconclusive	NAD

Date Received: 3/25/19
Date of PLM Analysis: 3/27/19
Date of TEM Analysis: 3/27/19
Date of Report: 3/28/19

PLM Analyst: D. Molohides
TEM Analyst: A. Ansari

Analyst: _____
D. Molohides

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-03-188

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: EB Bruckner Expressway over Amtrak/CSX , Bronx, NY - BIN 2075352

SPECIAL INSTRUCTIONS TO LABORATORY:
Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED
PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
2075352-1A	1	Joint Filler	N/A	On the southeast parapet corner
2075352-1B		Joint Filler		On the southeast parapet corner
2075352-1C		Joint Filler		On the southeast parapet corner
2075352-2A	2	Joint Caulk	N/A	Within the sidewalk joints
2075352-2B		Joint Caulk		Within the sidewalk joints
2075352-2C		Joint Caulk		Within the sidewalk joints
2075352-3A	3	Joint Filler	N/A	Beneath sidewalk caulk in the sidewalk joints
2075352-3B		Joint Filler		Beneath sidewalk caulk in the sidewalk joints
2075352-3C		Joint Filler		Beneath sidewalk caulk in the sidewalk joints
2075352-4A	4	Beige Paint	N/A	On the concrete parapet wall
2075352-4B		Beige Paint		On the concrete parapet wall
2075352-4C		Beige Paint		On the concrete parapet wall
2075352-5A	5	Glossy Tar	N/A	Along the barrier wall of the left lane
2075352-5B		Glossy Tar		Along the barrier wall of the left lane
2075352-5C		Glossy Tar		Along the barrier wall of the left lane

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 3/22/19 4:30pm

Received By: Date/Time: 2/25/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Acceptable:

Other (Explain):

Comments:

BIN 2076929 – Railroad Crossing
(eastbound and westbound lanes of the Bruckner Expressway over CSX)

alpha Labs
14-26 28th Avenue Long Island City, NY 11102
Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –Bruckner Expressway over CSX, Bronx, NY – BIN 2076929
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
2076929-1A 19-03-187-01	Joint Filler	Corner of parapet wall, south side of bridge, top of deck	Black Homogeneous NOB	94.1	3.7	2.2	0%	100%	NAD inconclusive	NAD
2076929-1B 19-03-187-02	Joint Filler	Corner of parapet wall, south side of bridge, top of deck	Black Homogeneous NOB	87.8	9.1	3.2	0%	100%	NAD inconclusive	NAD
2076929-1C 19-03-187-03	Joint Filler	Corner of parapet wall, south side of bridge, top of deck	Black Homogeneous NOB	74.9	9.3	15.8	0%	100%	NAD inconclusive	NAD
2076929-2A 19-03-187-04	Black Bituminous Caulk	Within curb joints on the south side of bridge top of deck	Black Homogeneous NOB	70.7	1.3	27.9	0%	100%	NAD inconclusive	NAD
2076929-2B 19-03-187-05	Black Bituminous Caulk	Within curb joints on the north side of bridge top of deck	Black Homogeneous NOB	92.9	4.6	2.6	0%	100%	NAD inconclusive	NAD
2076929-2C 19-03-187-06	Black Bituminous Caulk	Within curb joints on the north side of bridge top of deck	Black Homogeneous NOB	95.8	3.2	1.1	0%	100%	NAD inconclusive	NAD
2076929-3A 19-03-187-07	Black Caulk	At the base of the parapet wall, south side of bridge top of deck	Black Homogeneous NOB	77.2	8.0	14.8	0%	100%	NAD inconclusive	NAD
2076929-3B 19-03-187-08	Black Caulk	At the base of the parapet wall, south side of bridge top of deck	Black Homogeneous NOB	77.1	8.6	14.4	0%	100%	NAD inconclusive	NAD
2076929-3C 19-03-187-09	Black Caulk	Along the parapet sidewalk, south of bridge top of deck	Black Homogeneous NOB	71.4	10.2	18.3	0%	100%	NAD inconclusive	NAD
2076929-4A 19-03-187-10	Beige Paint	On the concrete parapet wall, north side of bridge, top of deck	Beige Homogeneous NOB	33.5	21.8	44.8	0%	100%	NAD inconclusive	NAD
2076929-4B 19-03-187-11	Beige Paint	On the concrete parapet wall, north side of bridge, top of deck	Beige Homogeneous NOB	35.7	28.7	35.7	0%	100%	NAD inconclusive	NAD
2076929-4C 19-03-187-12	Beige Paint	On the concrete parapet wall, north side of bridge, top of deck	Beige Homogeneous NOB	34.7	23.7	41.6	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –Bruckner Expressway over CSX, Bronx, NY – BIN 2076929
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
2076929-5A 19-03-187-13	Dark Brown Joint Filler	Within joints of the north sidewalk, top of deck (east joint)	Dk. Brown Homogeneous NOB	51.7	18.2	30.1	0%	100%	NAD inconclusive	NAD
2076929-5B 19-03-187-14	Dark Brown Joint Filler	Within joints of the north sidewalk, top of deck (east joint)	Dk. Brown Homogeneous NOB	72.1	12.8	15.1	0%	100%	NAD inconclusive	NAD
2076929-5C 19-03-187-15	Dark Brown Joint Filler	Within joints of the north sidewalk, top of deck (west joint)	Dk. Brown Homogeneous NOB	73.1	10.3	16.6	0%	100%	NAD inconclusive	NAD
2076929-6A 19-03-187-16	Sidewalk Tar	On north sidewalk, top of deck	Black Homogeneous NOB	25.5	11.7	62.8	0%	100%	NAD inconclusive	NAD
2076929-6B 19-03-187-17	Sidewalk Tar	On north sidewalk, top of deck	Black Homogeneous NOB	14.0	10.4	75.6	0%	100%	NAD inconclusive	NAD
2076929-6C 19-03-187-18	Sidewalk Tar	On north sidewalk, top of deck	Black Homogeneous NOB	41.4	9.1	49.5	0%	100%	NAD inconclusive	NAD
2076929-7A 19-03-187-19	Joint Filler	Within joints of the roadway median, north side of bridge, top of deck	Gray Homogeneous NOB	45.4	40.4	14.3	0%	100%	NAD inconclusive	NAD
2076929-7B 19-03-187-20	Joint Filler	Within joints of the roadway median, north side of bridge, top of deck	Gray Homogeneous NOB	50.9	32.7	16.5	0%	100%	NAD inconclusive	NAD
2076929-7C 19-03-187-21	Joint Filler	Within joints of the roadway median, north side of bridge, top of deck	Gray Homogeneous NOB	26.1	37.7	36.2	0%	100%	NAD inconclusive	NAD
2076929-8A 19-03-187-22	Joint Filler	Within joints of the roadway median, north side of bridge, top of deck	Black Homogeneous NOB	75.3	10.1	14.6	0%	100%	NAD inconclusive	NAD
2076929-8B 19-03-187-23	Joint Filler	Within joints of the roadway median, north side of bridge, top of deck	Black Homogeneous NOB	59.8	13.6	26.6	0%	100%	NAD inconclusive	NAD
2076929-8C 19-03-187-24	Joint Filler	Within joints of the roadway median, north side of bridge, top of deck	Black Homogeneous NOB	72.0	16.0	11.9	0%	100%	NAD inconclusive	NAD

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry –Bruckner Expressway over CSX, Bronx, NY – BIN 2076929
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
2076929-9A 19-03-187-25	Joint Filler	Street drain, north side of bridge, top of deck	Black Homogeneous NOB	89.7	9.0	1.3	0%	100%	NAD inconclusive	NAD
2076929-9B 19-03-187-26	Joint Filler	Street drain, north side of bridge, top of deck	Black Homogeneous NOB	92.4	2.7	4.8	0%	100%	NAD inconclusive	NAD
2076929-9C 19-03-187-27	Joint Filler	Street drain, north side of bridge, top of deck	Black Homogeneous NOB	82.6	11.4	6.0	0%	100%	NAD inconclusive	NAD

Date Received: 3/25/19
Date of PLM Analysis: 3/27/19
Date of TEM Analysis: 3/27/19
Date of Report: 3/28/19

PLM Analyst: D. Molohides
TEM Analyst: A. Ansari

Analyst: _____
D. Molohides

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-03-187

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter	TURNAROUND TIME: 72 Hours
PROJECT NUMBER: 18010 / CLIENT: Dewberry / NYSDOT	SPECIAL INSTRUCTIONS TO LABORATORY: Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs
LOCATION: Bruckner Expressway over CSX , Bronx, NY - BIN 2076929	ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
2076929-1A	1	Joint Filler	N/A	Corner of parapet wall, south side of bridge, top of deck
2076929-1B		Joint Filler		Corner of parapet wall, south side of bridge, top of deck
2076929-1C		Joint Filler		Corner of parapet wall, south side of bridge, top of deck
2076929-2A	2	Black Bituminous Caulk	N/A	Within curb joints on the south side of bridge, top of deck
2076929-2B		Black Bituminous Caulk		Within curb joints on the north side of bridge, top of deck
2076929-2C		Black Bituminous Caulk		Within curb joints on the north side of bridge, top of deck
2076929-3A	3	Black Caulk	N/A	At the base of the parapet wall, south side of bridge, top of deck
2076929-3B		Black Caulk		At the base of the parapet wall, south side of bridge, top of deck
2076929-3C		Black Caulk		Along the parapet sidewall, south side of bridge, top of deck
2076929-4A	4	Beige Paint	N/A	On the concrete parapet wall, north side of bridge, top of deck
2076929-4B		Beige Paint		On the concrete parapet wall, north side of bridge, top of deck
2076929-4C		Beige Paint		On the concrete parapet wall, north side of bridge, top of deck
2076929-5A	5	Dark Brown Joint Filler	N/A	Within joints of the north sidewalk, top of deck (east joint)
2076929-5B		Dark Brown Joint Filler		Within joints of the north sidewalk, top of deck (east joint)
2076929-5C		Dark Brown Joint Filler		Within joints of the north sidewalk, top of deck (west joint)
2076929-6A	6	Sidewalk Tar	N/A	On north sidewalk, top of deck
2076929-6B		Sidewalk Tar		On north sidewalk, top of deck
2076929-6C		Sidewalk Tar		On north sidewalk, top of deck
2076929-7A	7	Joint Caulk	N/A	Within joints of the roadway median, north side of bridge, top of deck
2076929-7B		Joint Caulk		Within joints of the roadway median, north side of bridge, top of deck
2076929-7C		Joint Caulk		Within joints of the roadway median, north side of bridge, top of deck
2076929-8A	8	Joint Filler	N/A	Within joints of the roadway median, north side of bridge, top of deck
2076929-8B		Joint Filler		Within joints of the roadway median, north side of bridge, top of deck
2076929-8C		Joint Filler		Within joints of the roadway median, north side of bridge, top of deck

Collected By: Glenn Umstetter	Collector's Signature:
Relinquished By: Date/Time: 3/22/19 4:30pm	Received By: Date/Time: 7/25/19
Relinquished By: Date/Time:	Received By: Date/Time:
Method of shipment: Mail	Sample Condition Upon Receipt:
Comments:	Acceptable: Other (Explain):

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

19-03-187

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: Bruckner Expressway over CSX , Bronx, NY - BIN 2076929

SPECIAL INSTRUCTIONS TO LABORATORY:
Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED
PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
2076929-9A	9	Joint Filler	N/A	Street drain, north side of bridge, top of deck
2076929-9B		Joint Filler		Street drain, north side of bridge, top of deck
2076929-9C		Joint Filler		Street drain, north side of bridge, top of deck

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 3/22/19 4:30 pm

Received By: Date/Time: 3/25/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Acceptable:

Other (Explain):

Comments:

BIN 2241210 – Bryant Avenue Bridge over CSX

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry– Bryant Avenue over CSX, Bronx, NY – BIN 2241210
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
2241210-1A 19-04-144-01	Thin Caulk	Within Sidewalk joint (over non-suspect foam filler)	Gray Homogeneous NOB	46.4	31.2	22.4	0%	100%	NAD inconclusive	NAD
2241210-1B 19-04-144-02			Gray Homogeneous NOB	48.6	8.1	43.3	0%	100%	NAD inconclusive	NAD
2241210-1C 19-04-144-03			Gray Homogeneous NOB	45.4	39.3	15.3	0%	100%	NAD inconclusive	NAD

Date Received: 4/16/19
Date of PLM Analysis: 4/17/19
Date of TEM Analysis: 4/18/19
Date of Report: 4/19/19

PLM Analyst: D. Kogan
TEM Analyst: A. Ansari

Analyst: _____
D. Kogan

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

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Lake Success, New York 11042
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CHAIN-OF-CUSTODY

19-04-144

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter	TURNAROUND TIME: 72 Hours
PROJECT NUMBER: 18010 / CLIENT: Dewberry / NYSDOT	SPECIAL INSTRUCTIONS TO LABORATORY: Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs
LOCATION: Bryant Avenue over CSX , Bronx, NY - BIN 2241210	ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
2241210-1A	1	Thin Caulk	N/A	Within sidewalk joint (over non-suspect foam filler)
2241210-1B		Thin Caulk		Within sidewalk joint (over non-suspect foam filler)
2241210-1C		Thin Caulk		Within sidewalk joint (over non-suspect foam filler)

Collected By: Glenn Umstetter	Collector's Signature:
Relinquished By: Date/Time: 4/15/19 5:40pm	Received By: Date/Time: 4/16/19
Relinquished By: Date/Time:	Received By: Date/Time:
Method of shipment: Mail	Sample Condition Upon Receipt:
Comments:	Acceptable: Other (Explain):

Block 2759, Lot 20 (1375 Garrison Avenue)

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, 1375 Garrison Ave., Bronx, NY - **BLOCK 2759, LOT 20**
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1375-1A 19-04-231-01	Air cell Pipe Insulation (6" O.D.)	Ground Level - Meter Room	Gray/Beige Homogeneous Friable	Not Applicable			50% CELL	19.2%	**30.8% CH**	
1375-1B 19-04-231-02	Air cell Pipe Insulation (4" O.D.)	Ground Level - Meter Room	Gray/Beige Homogeneous Friable	Not Applicable					NA/PS	
1375-1C 19-04-231-03	Air cell Pipe Insulation (4" O.D.)	Ground Level – Open Area outside of meter room	Gray/Beige Homogeneous Friable	Not Applicable					NA/PS	
1375-2A 19-04-231-04	Door Insulation	Ground Level – Door to top of stairs (to 2nd floor)	Gray/Brown Homogeneous Friable	Not Applicable			80% CELL	20%	**NAD**	
1375-2B 19-04-231-05	Door Insulation	Ground Level – Door to top of stairs (to 2nd floor)	Gray/Brown Homogeneous Friable	Not Applicable			85% CELL	15%	**NAD**	
1375-2C 19-04-231-06	Door Insulation	Ground Level – Door to top of stairs (to 2nd floor)	Gray/Brown Homogeneous Friable	Not Applicable			80% CELL	20%	**NAD**	
1375-3A 19-04-231-07	Gypsum Wall Board	Ground Level - Meter Room	Lt. Gray/Brown Homogeneous Friable	Not Applicable			50% CELL 5% FBGL	45%	**NAD**	
1375-3B 19-04-231-08	Gypsum Wall Board	Ground Level - Meter Room	Lt. Gray/Brown Homogeneous Friable	Not Applicable			25% CELL 5% FBGL	70%	**NAD**	
1375-3C 19-04-231-09	Gypsum Wall Board	Ground Level - Electrical Room	Lt. Gray/Brown Homogeneous Friable	Not Applicable			10% CELL 3% FBGL	87%	**NAD**	
1375-4A 19-04-231-10	Joint compound associated with gypsum wall board	Ground Level - Meter Room	White Homogeneous Friable	Not Applicable			0%	100%	**NAD**	
1375-4B 19-04-231-11	Joint compound associated with gypsum wall board	Ground Level - Meter Room	White Homogeneous Friable	Not Applicable			0%	100%	**NAD**	
1375-4C 19-04-231-12	Joint compound associated with gypsum wall board	Ground Level - Electrical Room	White Homogeneous Friable	Not Applicable			0%	100%	**NAD**	

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, 1375 Garrison Ave., Bronx, NY - **BLOCK 2759, LOT 20**
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1375-5A 19-04-231-13	Wall Tape	Ground Level - Meter Room	Beige Homogeneous Friable	Not Applicable			98% CELL	2%	NAD	
1375-5B 19-04-231-14	Wall Tape	Ground Level - Meter Room	Beige Homogeneous Friable	Not Applicable			99% CELL	1%	NAD	
1375-5C 19-04-231-15	Wall Tape	Ground Level - Electrical Room	Beige Homogeneous Friable	Not Applicable			98% CELL	2%	NAD	
1375-6A 19-04-231-16	Gypsum board (ceiling)	Ground Level - Meter Room	Gray/Brown Homogeneous Friable	Not Applicable			20% CELL	80%	NAD	
1375-6B 19-04-231-17	Gypsum board (ceiling)	Ground Level - Meter Room	Gray/Brown Homogeneous Friable	Not Applicable			25% CELL	75%	NAD	
1375-6C 19-04-231-18	Gypsum board (ceiling)	Ground Level - Meter Room	Gray/Brown Homogeneous Friable	Not Applicable			45% CELL	55%	NAD	
1375-7A.1.1 19-04-231-19	Ceiling Plaster (skim coat)	Ground Level - Men's Bathroom	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-7A.1.2 19-04-231-20	Ceiling Plaster (white coat)	Ground Level - Men's Bathroom	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-7B.1.1 19-04-231-21	Ceiling Plaster (skim coat)	Ground Level - Men's Bathroom	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-7B.1.2 19-04-231-22	Ceiling Plaster (white coat)	Ground Level - Men's Bathroom	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-7C.1 19-04-231-23	Ceiling Plaster (white coat)	Ground Level - Women's Bathroom	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-7A.2 19-04-231-24	Ceiling Plaster (brown coat)	Ground Level - Men's Bathroom	Brown Homogeneous Friable	Not Applicable			0%	100%	NAD	

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BUILDING ADDRESS: NYSDOT / Dewberry, 1375 Garrison Ave., Bronx, NY - **BLOCK 2759, LOT 20**
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1375-7B.2 19-04-231-25	Ceiling Plaster (brown coat)	Ground Level - Men's Bathroom	Brown Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-7C.2 19-04-231-26	Ceiling Plaster (brown coat)	Ground Level - Women's Bathroom	Brown Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-8A.1 19-04-231-27	Cementitious Cove Base (gray coat)	Ground Level - Men's Bathroom	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-8A.2 19-04-231-28	Cementitious Cove Base (white coat)	Ground Level - Men's Bathroom	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-8B.1 19-04-231-29	Cementitious Cove Base (gray coat)	Ground Level - Men's Bathroom	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-8B.2 19-04-231-30	Cementitious Cove Base (white coat)	Ground Level - Men's Bathroom	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-8C.1 19-04-231-31	Cementitious Cove Base (gray coat)	Ground Level - Women's Bathroom	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-8C.2 19-04-231-32	Cementitious Cove Base (white coat)	Ground Level - Women's Bathroom	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-9A 19-04-231-33	Ceramic Wall Tile Adhesive	Ground Level - Men's Bathroom	Off White Homogeneous NOB	14.3	72.5	13.1	0%	100%	NAD inconclusive	NAD
1375-9B 19-04-231-34	Ceramic Wall Tile Adhesive	Ground Level - Men's Bathroom	Off White Homogeneous NOB	16.2	70.8	13.0	0%	100%	NAD inconclusive	NAD
1375-9C 19-04-231-35	Ceramic Wall Tile Adhesive	Ground Level - Women's Bathroom	Off White Homogeneous NOB	14.5	73.3	12.2	0%	100%	NAD inconclusive	NAD
1375-10A 19-04-231-36	1"x1" Ceramic Floor Tile Mortar	Ground Level - Women's Bathroom	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	

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				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1375-10B 19-04-231-37	1"x1" Ceramic Floor Tile Mortar	Ground Level - Women's Bathroom	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-10C 19-04-231-38	1"x1" Ceramic Floor Tile Mortar	Ground Level - Men's Bathroom	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-11A 19-04-231-39	1"x1" Ceramic Floor Tile Grout	Ground Level - Women's Bathroom	Off White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-11B 19-04-231-40	1"x1" Ceramic Floor Tile Grout	Ground Level - Women's Bathroom	Off White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-11C 19-04-231-41	1"x1" Ceramic Floor Tile Grout	Ground Level - Men's Bathroom	Off White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-12A 19-04-231-42	Door Insulation (air cell)	2nd Floor – Dumb waiter (2nd floor0	Gray Homogeneous Friable	Not Applicable			70% CELL	30%	NAD	
1375-12B 19-04-231-43	Door Insulation (air cell)	2nd Floor – Dumb waiter (2nd floor0	Gray Homogeneous Friable	Not Applicable			75% CELL	25%	NAD	
1375-12C 19-04-231-44	Door Insulation (air cell)	2nd Floor – Dumb waiter (2nd floor0	Gray Homogeneous Friable	Not Applicable			70% CELL	30%	NAD	
1375-13A 19-04-231-45	Door Insulation (paper)	Ground Level – Door from Main office to Warehouse	Brown Homogeneous Friable	Not Applicable			95% CELL	5%	NAD	
1375-13B 19-04-231-46	Door Insulation (paper)	Ground Level – Door from Main office to Warehouse	Brown Homogeneous Friable	Not Applicable			98% CELL	2%	NAD	
1375-13C 19-04-231-47	Door Insulation (paper)	Ground Level –East side Main Office Door	Brown Homogeneous Friable	Not Applicable			95% CELL	5%	NAD	
1375-14A 19-04-231-48	Wall Plaster	G. L. Wall separating warehouse from the meter rm, bathroom & electrical rm	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	

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				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1375-14B 19-04-231-49	Wall Plaster	G. L. Wall separating warehouse from the meter rm, bathroom & electrical rm	Gray Homogeneous Friable	Not Applicable			1% CELL	99%	NAD	
1375-14C 19-04-231-50	Wall Plaster	G. L. Wall separating warehouse from the meter rm, bathroom & electrical rm	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-14D 19-04-231-51	Wall Plaster	G. L. Wall separating warehouse from the meter rm, bathroom & electrical rm	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-14E 19-04-231-52	Wall Plaster	G. L. Wall separating warehouse from the meter rm, bathroom & electrical rm	Gray Homogeneous Friable	Not Applicable			1% HAIR	99%	NAD	
1375-15A 19-04-231-53	Gypsum board ceiling	Ground Level- Open area / warehouse	Lt. Gray/Brown Homogeneous Friable	Not Applicable			30% CELL	70%	NAD	
1375-15B 19-04-231-54	Gypsum board ceiling	Ground Level- Open area / warehouse	Lt. Gray/Brown Homogeneous Friable	Not Applicable			25% CELL	75%	NAD	
1375-15C 19-04-231-55	Gypsum board ceiling	Ground Level- Open area / warehouse	Lt. Gray/Brown Homogeneous Friable	Not Applicable			20% CELL	80%	NAD	
1375-16A 19-04-231-56	12"x12" Vinyl Floor Tile	Ground Level - Corridor	Gray Homogeneous NOB	20.6	65.0	14.4	0%	100%	NAD inconclusive	NAD
1375-16B 19-04-231-57	12"x12" Vinyl Floor Tile	Ground Level - Corridor	Gray Homogeneous NOB	20.7	58.2	21.1	0%	100%	NAD inconclusive	NAD
1375-16C 19-04-231-58	12"x12" Vinyl Floor Tile	Ground Level - Corridor	Gray Homogeneous NOB	20.2	60.9	18.8	0%	100%	NAD inconclusive	NAD
1375-17A 19-04-231-59	Yellow adhesive assoc. with 12"x12" vinyl floor tile	Ground Level - Corridor	Tan Homogeneous NOB	31.8	10.1	58.1	0%	100%	NAD inconclusive	NAD
1375-17B 19-04-231-60	Yellow adhesive assoc. with 12"x12" vinyl floor tile	Ground Level - Corridor	Tan Homogeneous NOB	22.8	7.1	70.1	0%	100%	NAD inconclusive	NAD
1375-17C 19-04-231-61	Yellow adhesive assoc. with 12"x12" vinyl floor tile	Ground Level - Corridor	Tan Homogeneous NOB	29.8	17.8	52.3	0%	100%	NAD inconclusive	NAD

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				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1375-18A 19-04-231-62	Ceiling Tiles (with textured coating)	2nd Floor - Corridor	White/Yellow Homogeneous Friable	88.8	8.6	2.7	95% FBGL	5%	NAD inconclusive	NAD
1375-18B 19-04-231-63	Ceiling Tiles (with textured coating)	2nd Floor - Corridor	White/Yellow Homogeneous Friable	97.9	1.0	1.1	95% FBGL	5%	NAD inconclusive	NAD
1375-18C 19-04-231-64	Ceiling Tiles (with textured coating)	2nd Floor - Corridor	White/Yellow Homogeneous Friable	97.4	1.3	1.2	95% FBGL	5%	NAD inconclusive	NAD
1375-19A 19-04-231-65	Boiler Insulation (remnant)	Ground Level – Boiler Room	Gray Homogeneous Friable	Not Applicable			30% CELL	70%	NAD	
1375-19B 19-04-231-66	Boiler Insulation (remnant)	Ground Level – Boiler Room	Gray Homogeneous Friable	Not Applicable			25% CELL	75%	NAD	
1375-19C 19-04-231-67	Boiler Insulation (remnant)	Ground Level – Boiler Room	Gray Homogeneous Friable	Not Applicable			30% CELL	70%	NAD	
1375-20A 19-04-231-68	Gray breech patch	Ground Level – Boiler Room – new boiler	Off White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-20B 19-04-231-69	Gray breech patch	Ground Level – Boiler Room – new boiler	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-20C 19-04-231-70	Gray breech patch	Ground Level – Boiler Room – new boiler	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-21A 19-04-231-71	Large Mud Joint packing	Ground Level – Boiler Room – at top of staircase	White/Brown Homogeneous Friable	Not Applicable			90% FBGL	10%	NAD	
1375-21B 19-04-231-72	Large Mud Joint packing	Ground Level – Boiler Room – at top of staircase	White/Brown Homogeneous Friable	Not Applicable			85% FBGL	15%	NAD	
1375-21C 19-04-231-73	Large Mud Joint packing	Ground Level – Boiler Room – at top of staircase	White/Brown Homogeneous Friable	Not Applicable			90% FBGL	10%	NAD	

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				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1375-22A 19-04-231-74	Beige 12"x12" Vinyl Floor tile w/ insep. yellow adhesive	Ground Level – Main Office	Tan Homogeneous NOB	22.3	64.5	13.2	0%	100%	NAD inconclusive	NAD
1375-22B 19-04-231-75	Beige 12"x12" Vinyl Floor tile w/ insep. yellow adhesive	Ground Level – Main Office	Tan Homogeneous NOB	21.3	62.6	16.2	0%	100%	NAD inconclusive	NAD
1375-22C 19-04-231-76	Beige 12"x12" Vinyl Floor tile w/ insep. yellow adhesive	Ground Level – Main Office	Tan Homogeneous NOB	20.7	65.7	13.6	0%	100%	NAD inconclusive	NAD
1375-23A 19-04-231-77	Suspended Ceiling Tile with pinholes	Ground Level – Main Office	White/Gray Homogeneous Friable	29.6	4.6	65.9	60% CELL 15% FBGL	25%	NAD inconclusive	NAD
1375-23B 19-04-231-78	Suspended Ceiling Tile with pinholes	Ground Level – Main Office	White/Gray Homogeneous Friable	28.3	2.3	69.4	55% CELL 20% FBGL	25%	NAD inconclusive	NAD
1375-23C 19-04-231-79	Suspended Ceiling Tile with pinholes	Ground Level – Locked Office	White/Gray Homogeneous Friable	28.4	19.5	52.1	60% CELL 15% FBGL	25%	NAD inconclusive	NAD
1375-24A 19-04-231-80	Surface Wall stucco	Ground Level – Open Area / Warehouse – north side	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-24B 19-04-231-81	Surface Wall stucco	Ground Level – Open Area / Warehouse – north side	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-24C 19-04-231-82	Surface Wall stucco	Ground Level – Open Area / Warehouse – north side	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-25A 19-04-231-83	Ceiling Plaster	G.L.– Open area/ ware-house-north side, area below mezz./ 2nd floor	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-25B 19-04-231-84	Ceiling Plaster	G.L.– Open area/ ware-house-north side, area below mezz./ 2nd floor	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-25C 19-04-231-85	Ceiling Plaster	G.L.– Open area/ ware-house-north side, area below mezz./ 2nd floor	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	

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				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1375-26A 19-04-231-86	Wall Mastic (roofing residue)	2nd Floor	Black Homogeneous NOB	36.9	19.0	44.1	0%	94.5%	5.5% CH	
1375-26B 19-04-231-87	Wall Mastic (roofing residue)	2nd Floor	Black Homogeneous NOB	48.2	13.9	37.9			NA/PS	
1375-26C 19-04-231-88	Wall Mastic (roofing residue)	2nd Floor	Black Homogeneous NOB	34.6	15.4	50.0			NA/PS	
1375-27A 19-04-231-89	Gypsum board	Attic/2nd Floor – Attic (above 2nd floor)	Off White/Brown Homogeneous Friable	Not Applicable			35% CELL	65%	NAD	
1375-27B 19-04-231-90	Gypsum board	Attic/2nd Floor – Attic (above 2nd floor)	Off White/Brown Homogeneous Friable	Not Applicable			30% CELL	70%	NAD	
1375-27C 19-04-231-91	Gypsum board	Attic/2nd Floor – Attic (above 2nd floor)	Off White/Brown Homogeneous Friable	Not Applicable			32% CELL	68%	NAD	
1375-28A 19-04-231-92	Gypsum board ceiling	2nd Floor	White/Brown Homogeneous Friable	Not Applicable			40% CELL	60%	NAD	
1375-28B 19-04-231-93	Gypsum board ceiling	2nd Floor	White/Brown Homogeneous Friable	Not Applicable			35% CELL	65%	NAD	
1375-28C 19-04-231-94	Gypsum board ceiling	2nd Floor	White/Brown Homogeneous Friable	Not Applicable			30% CELL	70%	NAD	
1375-29A 19-04-231-95	Gypsum wall board	2nd Floor	Off White/Gray Homogeneous Friable	Not Applicable			20% CELL	80%	NAD	
1375-29B 19-04-231-96	Gypsum wall board	2nd Floor	Off White/Gray Homogeneous Friable	Not Applicable			25% CELL	75%	NAD	
1375-29C 19-04-231-97	Gypsum wall board	2nd Floor	Off White/Gray Homogeneous Friable	Not Applicable			15% CELL	85%	NAD	

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1375-30A 19-04-231-98	Exterior Wall Stucco	Ground Level - Exterior	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-30B 19-04-231-99	Exterior Wall Stucco	Ground Level - Exterior	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-30C 19-04-231-100	Exterior Wall Stucco	Ground Level - Exterior	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1375-31A 19-04-231-101	1'x1' ceiling tile above suspended ceiling	Ground Level – Locked Office	White/Yellow Homogeneous Friable	80.5	10.8	8.7	95% CELL	5%	NAD inconclusive	NAD
1375-31B 19-04-231-102	1'x1' ceiling tile above suspended ceiling	Ground Level – Locked Office	White/Yellow Homogeneous Friable	77.2	10.7	12.1	97% CELL	3%	NAD inconclusive	NAD
1375-31C 19-04-231-103	1'x1' ceiling tile above suspended ceiling	Ground Level – Locked Office	White/Yellow Homogeneous Friable	88.7	4.8	6.4	95% CELL	5%	NAD inconclusive	NAD
1375-32A 19-04-231-104	Mastic associated with 1'x1' ceiling tiles	Ground Level – Locked Office	Dk. Brown Homogeneous NOB	49.1	10.0	41.0	0%	100%	NAD inconclusive	NAD
1375-32B 19-04-231-105	Mastic associated with 1'x1' ceiling tiles	Ground Level – Locked Office	Dk. Brown Homogeneous NOB	48.8	7.6	43.5	0%	100%	NAD inconclusive	NAD
1375-32C 19-04-231-106	Mastic associated with 1'x1' ceiling tiles	Ground Level – Locked Office	Dk. Brown Homogeneous NOB	48.8	4.7	46.6	0%	100%	NAD inconclusive	NAD
1375-33A 19-04-231-107	Cove Base Molding with inseparable adhesive	Ground Level - Corridor	Gray Homogeneous NOB	45.2	53.4	1.4	0%	100%	NAD inconclusive	NAD
1375-33B 19-04-231-108	Cove Base Molding with inseparable adhesive	Ground Level - Corridor	Gray Homogeneous NOB	44.9	53.7	1.4	0%	100%	NAD inconclusive	NAD
1375-33C 19-04-231-109	Cove Base Molding with inseparable adhesive	Ground Level - Corridor	Gray Homogeneous NOB	43.3	55.1	1.6	0%	100%	NAD inconclusive	NAD

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1375-34A 19-04-231-110	Gypsum Board (ceiling)	Ground Level – Main Office (above suspended ceiling)	White/Brown Homogeneous Friable	Not Applicable			8% FBGL	92%	NAD	
1375-34B 19-04-231-111	Gypsum Board (ceiling)	Ground Level – Main Office (above suspended ceiling)	White/Brown Homogeneous Friable	Not Applicable			10% FBGL	90%	NAD	
1375-34C 19-04-231-112	Gypsum Board (ceiling)	Ground Level – Main Office (above suspended ceiling)	White/Brown Homogeneous Friable	Not Applicable			7% FBGL	93%	NAD	
1375-35A 19-04-231-113	Gypsum Wall Board	Ground Level – Small Office at entrance (opposite main office)	White/Brown Homogeneous Friable	Not Applicable			4% FBGL	96%	NAD	
1375-35B 19-04-231-114	Gypsum Wall Board	Ground Level – Small Office at entrance (opposite main office)	White/Brown Homogeneous Friable	Not Applicable			5% FBGL	95%	NAD	
1375-35C 19-04-231-115	Gypsum Wall Board	Ground Level – Small Office at entrance (opposite main office)	White/Brown Homogeneous Friable	Not Applicable			5% FBGL	95%	NAD	

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Date Received: 4/26/19
Date of PLM Analysis: 4/29/19
Date of TEM Analysis: 4/30/19
Date of Report: 5/1/19

PLM Analyst: D. Molohides
TEM Analyst: A. Ansari

Analyst: _____
D. Molohides

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

19-04-231

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: 1375 Garrison Ave, Bronx, NY - BLOCK 2759, LOT 20

SPECIAL INSTRUCTIONS TO LABORATORY:
Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED
PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
1375-1A	1	Aircell Pipe Insulation (6" O.D)	Ground Level	Meter Room
1375-1B		Aircell Pipe Insulation (4" O.D)		Meter Room
1375-1C		Aircell Pipe Insulation (4" O.D)		Open Area outside of meter room
1375-2A	2	Door Insulation	Ground Level	Door to top of stairs (to 2nd floor)
1375-2B		Door Insulation		Door to top of stairs (to 2nd floor)
1375-2C		Door Insulation		Door to top of stairs (to 2nd floor)
1375-3A	3	Gypsum Wall Board	Ground Level	Meter Room
1375-3B		Gypsum Wall Board		Meter Room
1375-3C		Gypsum Wall Board		Electrical Room
1375-4A	4	Joint compound associated with gypsum wall board	Ground Level	Meter Room
1375-4B		Joint compound associated with gypsum wall board		Meter Room
1375-4C		Joint compound associated with gypsum wall board		Electrical Room
1375-5A	5	Wall tape	Ground Level	Meter Room
1375-5B		Wall tape		Meter Room
1375-5C		Wall tape		Electrical Room
1375-6A	6	Gypsum board (ceiling)	Ground Level	Meter Room
1375-6B		Gypsum board (ceiling)		Meter Room
1375-6C		Gypsum board (ceiling)		Meter Room
1375-7A.1	7.1	Ceiling Plaster (white coat)	Ground Level	Men's Bathroom
1375-7B.1		Ceiling Plaster (white coat)		Men's Bathroom
1375-7C.1		Ceiling Plaster (white coat)		Women's Bathroom

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 4/25/19 5:00pm

Received By: Date/Time: 4/26/19

Relinquished By: Date/Time:

Received By: Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Acceptable:

Other (Explain):

Comments:

19-04-231

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ANALYSIS REQUESTED

PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
1375-7A.2	7.2	Ceiling Plaster (brown coat)	Ground Level	Men's Bathroom
1375-7B.2		Ceiling Plaster (brown coat)		Men's Bathroom
1375-7C.2		Ceiling Plaster (brown coat)		Women's Bathroom
1375-8A	8	Cementitious Cove Base	Ground Level	Men's Bathroom
1375-8B		Cementitious Cove Base		Men's Bathroom
1375-8C		Cementitious Cove Base		Women's Bathroom
1375-9A	9	Ceramic Wall Tile Adhesive	Ground Level	Men's Bathroom
1375-9B		Ceramic Wall Tile Adhesive		Men's Bathroom
1375-9C		Ceramic Wall Tile Adhesive		Women's Bathroom
1375-10A	10	1"x1" Ceramic Floor Tile Mortar	Ground Level	Women's Bathroom
1375-10B		1"x1" Ceramic Floor Tile Mortar		Women's Bathroom
1375-10C		1"x1" Ceramic Floor Tile Mortar		Men's Bathroom
1375-11A	11	1"x1" Ceramic Floor Tile Grout	Ground Level	Women's Bathroom
1375-11B		1"x1" Ceramic Floor Tile Grout		Women's Bathroom
1375-11C		1"x1" Ceramic Floor Tile Grout		Men's Bathroom
1375-12A	12	Door Insulation (air cell)	2nd Floor	Dumb waiter (2nd floor)
1375-12B		Door Insulation (air cell)		Dumb waiter (2nd floor)
1375-12C		Door Insulation (air cell)		Dumb waiter (2nd floor)

Collected By: Glenn Umstetter

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Acceptable:

Other (Explain):

Comments: For samples 9A, 9B, 9C, do not analyze tile

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ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
1375-13A	13	Door Insulation (paper)	Ground Level	Door from Main Office to Warehouse
1375-13B		Door Insulation (paper)		Door from Main Office to Warehouse
1375-13C		Door Insulation (paper)		East Side Main Office Door
1375-14A	14	Wall Plaster	Ground Level	Wall separating warehouse from the Meter Room, Bathrooms and Electrical Room
1375-14B		Wall Plaster		Wall separating warehouse from the Meter Room, Bathrooms and Electrical Room
1375-14C		Wall Plaster		Wall separating warehouse from the Meter Room, Bathrooms and Electrical Room
1375-14D		Wall Plaster		Wall separating warehouse from the Meter Room, Bathrooms and Electrical Room
1375-14E		Wall Plaster		Wall separating warehouse from the Meter Room, Bathrooms and Electrical Room
1375-15A	15	Gypsum board Ceiling	Ground Level	Open Area/Warehouse
1375-15B		Gypsum board Ceiling		Open Area/Warehouse
1375-15C		Gypsum board Ceiling		Open Area/Warehouse
1375-16A	16	12"x12" Vinyl Floor Tile	Ground Level	Corridor
1375-16B		12"x12" Vinyl Floor Tile		Corridor
1375-16C		12"x12" Vinyl Floor Tile		Corridor
1375-17A	17	Yellow adhesive associated with 12"x12" Vinyl Floor Tile	Ground Level	Corridor
1375-17B		Yellow adhesive associated with 12"x12" Vinyl Floor Tile		Corridor
1375-17C		Yellow adhesive associated with 12"x12" Vinyl Floor Tile		Corridor
1375-18A	18	Ceiling Tiles	2nd Floor	Corridor
1375-18B		Ceiling Tiles		Corridor
1375-18C		Ceiling Tiles		Corridor

Collected By: Glenn Umstetter

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Acceptable: Other (Explain):

Comments:

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BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
1375-19A	19	Boiler Insulation (Remnant)	Ground Level	Boiler Room
1375-19B		Boiler Insulation (Remnant)		Boiler Room
1375-19C		Boiler Insulation (Remnant)		Boiler Room
1375-20A	20	Gray breech patch	Ground Level	Boiler Room - new boiler
1375-20B		Gray breech patch		Boiler Room - new boiler
1375-20C		Gray breech patch		Boiler Room - new boiler
1375-21A	21	Large Mud Joint Packing	Ground Level	Boiler Room - at top of staircase
1375-21B		Large Mud Joint Packing		Boiler Room - at top of staircase
1375-21C		Large Mud Joint Packing		Boiler Room - at top of staircase
1375-22A	22	Beige 12"x12" Vinyl Floor Tile w/ inseparable yellow adhesive	Ground Level	Main Office
1375-22B		Beige 12"x12" Vinyl Floor Tile w/ inseparable yellow adhesive		Main Office
1375-22C		Beige 12"x12" Vinyl Floor Tile w/ inseparable yellow adhesive		Main Office
1375-23A	23	Suspended Ceiling Tile with pinholes	Ground Level	Main Office
1375-23B		Suspended Ceiling Tile with pinholes		Main Office
1375-23C		Suspended Ceiling Tile with pinholes		Locked Office
1375-24A	24	Surface Wall Stucco	Ground Level	Open Area/Warehouse - north side
1375-24B		Surface Wall Stucco		Open Area/Warehouse - north side
1375-24C		Surface Wall Stucco		Open Area/Warehouse - north side

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BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
1375-25A	25	Ceiling Plaster	Ground Level	Open Area/Warehouse - north side, area below mezzanine/2nd floor
1375-25B		Ceiling Plaster		Open Area/Warehouse - north side, area below mezzanine/2nd floor
1375-25C		Ceiling Plaster		Open Area/Warehouse - north side, area below mezzanine/2nd floor
1375-26A	26	Wall Mastic (roofing residue)	2nd Floor	2nd Floor
1375-26B		Wall Mastic (roofing residue)		2nd Floor
1375-26C		Wall Mastic (roofing residue)		2nd Floor
1375-27A	27	Gypsum Board	Attic /2nd Floor	Attic (above 2nd floor)
1375-27B		Gypsum Board		Attic (above 2nd floor)
1375-27C		Gypsum Board		Attic (above 2nd floor)
1375-28A	28	Gypsum board Ceiling	2nd Floor	2nd Floor
1375-28B		Gypsum board Ceiling		2nd Floor
1375-28C		Gypsum board Ceiling		2nd Floor
1375-29A	29	Gypsum Wall Board	2nd Floor	2nd Floor
1375-29B		Gypsum Wall Board		2nd Floor
1375-29C		Gypsum Wall Board		2nd Floor
1375-30A	30	Exterior Wall Stucco	Ground Level	Exterior
1375-30B		Exterior Wall Stucco		Exterior
1375-30C		Exterior Wall Stucco		Exterior

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BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
1375-31A	31	1'x1' ceiling tile above suspended ceiling	Ground Level	Locked Office
1375-31B		1'x1' ceiling tile above suspended ceiling		Locked Office
1375-31C		1'x1' ceiling tile above suspended ceiling		Locked Office
1375-32A	32	Masic associated with 1'x1' ceiling tiles	Ground Level	Locked Office
1375-32B		Masic associated with 1'x1' ceiling tiles		Locked Office
1375-32C		Masic associated with 1'x1' ceiling tiles		Locked Office
1375-33A	33	Cove Base Molding with inseparable adhesive	Ground Level	Corridor
1375-33B		Cove Base Molding with inseparable adhesive		Corridor
1375-33C		Cove Base Molding with inseparable adhesive		Corridor
1375-34A	34	Gypsum Board (ceiling)	Ground Level	Main Office (above suspended ceiling)
1375-34B		Gypsum Board (ceiling)		Main Office (above suspended ceiling)
1375-34C		Gypsum Board (ceiling)		Main Office (above suspended ceiling)
1375-35A	35	Gypsum Wall Board	Ground Level	Small Office at entrance (opposite Main Office)
1375-35B		Gypsum Wall Board		Small Office at entrance (opposite Main Office)
1375-35C		Gypsum Wall Board		Small Office at entrance (opposite Main Office)

Collected By: Glenn Umstetter

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Other (Explain):

Comments:

BLOCK 2761, LOT 224 (1376 Garrison Avenue)

alpha labs
14-26 28th Avenue Long Island City, NY 11102
Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, 933 Edgewater Road, Bronx, NY- BLOCK 2761, LOT 224 - **(Ochun Auto Repair)**
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
933-1A 19-04-157-01	Linoleum (brown wood grained) with inseparable adhesive	Mezzanine office floor (top layer)	Brown/ Black Homogeneous NOB	51.0	33.6	15.4	0%	100%	NAD inconclusive	NAD
933-1B 19-04-157-02			Brown/ Black Homogeneous NOB	28.1	70.8	1.1	0%	100%	NAD inconclusive	NAD
933-1C 19-04-157-03			Brown/ Black Homogeneous NOB	28.7	70.2	1.1	0%	100%	NAD inconclusive	NAD
933-2A 19-04-157-04	Linoleum (blue-gray) with inseparable adhesive	Mezzanine office floor (below top layer, over wood substrate)	Blue/ Black Homogeneous NOB	28.8	68.3	2.8	0%	100%	NAD inconclusive	NAD
933-2B 19-04-157-05			Blue/ Black Homogeneous NOB	29.1	67.0	3.9	0%	100%	NAD inconclusive	NAD
933-2C 19-04-157-06			Blue/ Black Homogeneous NOB	30.0	66.2	3.8	0%	100%	NAD inconclusive	NAD
933-3A.1 19-04-157-07	Cove Base (gray)	Mezzanine office	Gray/ Blue Homogeneous NOB	30.5	64.2	5.3	0%	100%	NAD inconclusive	NAD
933-3A.2 19-04-157-08	Adhesive for cove base		Yellow Homogeneous NOB	36.8	33.8	29.5	0%	100%	NAD inconclusive	NAD
933-3B.1 19-04-157-09	Cove Base (gray)		Gray/ Blue Homogeneous NOB	30.1	64.8	5.1	0%	100%	NAD inconclusive	NAD
933-3B.2 19-04-157-10	Adhesive for cove base		Yellow Homogeneous NOB	51.7	22.8	25.5	0%	100%	NAD inconclusive	NAD
933-3C.1 19-04-157-11	Cove Base (gray)		Gray/ Blue Homogeneous NOB	31.3	62.7	6.0	0%	100%	NAD inconclusive	NAD
933-3C.2 19-04-157-12	Adhesive for cove base		Yellow Homogeneous NOB	28.0	28.2	43.8	0%	100%	NAD inconclusive	NAD

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BUILDING ADDRESS: NYSDOT / Dewberry, 933 Edgewater Road, Bronx, NY- BLOCK 2761, LOT 224 - **(Ochun Auto Repair)**
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
933-4A 19-04-157-13	Ceiling Tile (suspended – 2'x4')	Mezzanine office	Blue/ Gray Homogeneous Friable	16.3	26.5	57.2	3% CELL 80% FNGL	17%	NAD inconclusive	NAD
933-4B 19-04-157-14			Gray Homogeneous Friable	13.6	23.7	62.7	2% CELL 80% FNGL	18%	NAD inconclusive	NAD
933-4C 19-04-157-15			Blue/ Gray Homogeneous Friable	14.5	26.2	59.3	2% CELL 80% FNGL	18%	NAD inconclusive	NAD
933-5A 19-04-157-16	Gypsum Board	Mezzanine office	Brown/ Gray Homogeneous Friable	Not Applicable			10% CELL	90%	NAD	
933-5B 19-04-157-17		Mezzanine bathroom	Brown/ Gray Homogeneous Friable	Not Applicable			10% CELL	90%	NAD	
933-5C 19-04-157-18		Mezzanine – middle room	Brown/ Gray Homogeneous Friable	Not Applicable			10% CELL	90%	NAD	
933-6A 19-04-157-19	Joint Compound	Mezzanine office	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
933-6B 19-04-157-20		Mezzanine office	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
933-6C 19-04-157-21		Mezzanine bathroom	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
933-7A 19-04-157-22	Linoleum (peach colored) with inseparable adhesive	Side room (accessed from street) – patch area	Gray/ Black Homogeneous NOB	27.2	60.0	12.9	0%	100%	NAD inconclusive	NAD
933-7B 19-04-157-23		Side room (accessed from street) – patch area	Gray/ Black Homogeneous NOB	26.3	60.0	13.7	0%	100%	NAD inconclusive	NAD
933-7C 19-04-157-24		Side room (accessed from street) – patch area	Gray/ Black Homogeneous NOB	26.2	60.5	13.2	0%	100%	NAD inconclusive	NAD

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PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
933-8A 19-04-157-25	12x12 Floor Tile (gray) with inseparable adhesive	Side room (accessed from street) – top layer	Blue/ Black Homogeneous NOB	19.2	58.8	22.0	0%	100%	NAD inconclusive	NAD
933-8B 19-04-157-26		Side room (accessed from street) – top layer	Blue/ Black Homogeneous NOB	19.4	60.1	20.6	0%	100%	NAD inconclusive	NAD
933-8C 19-04-157-27		Side room (accessed from street) – top layer	Blue/ Black Homogeneous NOB	19.2	60.1	20.7	0%	100%	NAD inconclusive	NAD
933-9A.1 19-04-157-28	9x9 Floor Tile (green)	Side room (accessed from street) – beneath gray tile and over wood substrate	Green Homogeneous NOB	30.6	23.6	45.8	0%	100%	NAD inconclusive	NAD
933-9A.2 19-04-157-29	Black Mastic/Tar Paper (inseparable) for green tile		Black Homogeneous NOB	83.6	9.6	6.8	0%	100%	NAD inconclusive	NAD
933-9B.1 19-04-157-30	9x9 Floor Tile (green)		Green Homogeneous NOB	32.2	16.6	51.2	0%	100%	NAD inconclusive	NAD
933-9B.2 19-04-157-31	Black Mastic/Tar Paper (inseparable) for green tile		Black Homogeneous NOB	61.7	24.0	14.4	0%	100%	NAD inconclusive	NAD
933-9C.1 19-04-157-32	9x9 Floor Tile (green)		Green Homogeneous NOB	30.2	23.6	46.2	0%	100%	NAD inconclusive	NAD
933-9C.2 19-04-157-33	Black Mastic/Tar Paper (inseparable) for green tile		Black Homogeneous NOB	88.2	4.9	6.9	0%	100%	NAD inconclusive	NAD
933-10A 19-04-157-34	Mortar	Garage Area associated with cinderblock wall	Blue/ Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
933-10B 19-04-157-35			Blue/ Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
933-10C 19-04-157-36			White/ Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, 933 Edgewater Road, Bronx, NY- BLOCK 2761, LOT 224 - **(Ochun Auto Repair)**
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
933-11A 19-04-157-37	Glazing	Exterior Window panes	Red/ Gray Homogeneous NOB	9.0	85.9	5.2	0%	100%	**Trace CH** inconclusive	**Trace CH 0.26% ANTH**
933-11B 19-04-157-38			Beige/ Gray Homogeneous Friable	8.8	86.7	4.6	0%	100%	**NAD** inconclusive	**Trace CH 0.23% ANTH**
933-11C 19-04-157-39			Dark Gray Homogeneous NOB	8.3	90.0	1.7	0%	100%	**NAD** inconclusive	**NAD**
933-12A 19-04-157-40	Door Insulation (aircell)	Ground level bathroom door	Light Gray Homogeneous Friable	Not Applicable			5% CELL	37.9%	**57.1% CH**	
933-12B 19-04-157-41			Light Gray Homogeneous Friable	Not Applicable			0%	100%	NA/PS	
933-12C 19-04-157-42			Light Gray Homogeneous Friable	Not Applicable			0%	100%	NA/PS	

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BUILDING ADDRESS: NYSDOT / Dewberry, 933 Edgewater Road, Bronx, NY- BLOCK 2761, LOT 224 - **(Ochun Auto Repair)**
PROJECT: 18010

Date Received: 4/18/19
Date of PLM Analysis: 4/19/19
Date of TEM Analysis: 4/20/19
Date of Report: 4/22/19

PLM Analyst: D. Kogan
TEM Analyst: H. Ran

Analyst: D. Kogan

QC Review / Date: D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

 19-04-157

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328-1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: 933 Edgewater Rd, Bronx, NY - BLOCK 2761, LOT 224 (Ochun Auto Repair)

SPECIAL INSTRUCTIONS TO LABORATORY: Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
933-1A	1	Linoleum (brown wood grained) with inseparable adhesive	N/A	Mezzanine office floor (top layer)
933-1B		Linoleum (brown wood grained) with inseparable adhesive		Mezzanine office floor (top layer)
933-1C		Linoleum (brown wood grained) with inseparable adhesive		Mezzanine office floor (top layer)
933-2A	2	Linoleum (blue-gray) with inseparable adhesive	N/A	Mezzanine office floor (below top layer, over wood substrate)
933-2B		Linoleum (blue-gray) with inseparable adhesive		Mezzanine office floor (below top layer, over wood substrate)
933-2C		Linoleum (blue-gray) with inseparable adhesive		Mezzanine office floor (below top layer, over wood substrate)
933-3A.1	3	Cove Base (gray)	N/A	Mezzanine office
933-3A.2		Adhesive for cove base		Mezzanine office
933-3B.1		Cove Base (gray)		Mezzanine office
933-3B.2		Adhesive for cove base		Mezzanine office
933-3C.1		Cove Base (gray)		Mezzanine office
933-3C.2		Adhesive for cove base		Mezzanine office
933-4A	4	Ceiling Tile (suspended - 2'x4')	N/A	Mezzanine office
933-4B		Ceiling Tile (suspended - 2'x4')		Mezzanine office
933-4C		Ceiling Tile (suspended - 2'x4')		Mezzanine office
933-5A	5	Gypsum Board	N/A	Mezzanine office
933-5B		Gypsum Board		Mezzanine bathroom
933-5C		Gypsum Board		Mezzanine - middle room
933-6A	6	Joint Compound	N/A	Mezzanine office
933-6B		Joint Compound		Mezzanine office
933-6C		Joint Compound		Mezzanine bathroom
933-7A	7	Linoleum (peach colored) with inseparable adhesive	N/A	Side Room (accessed from street) - patch area
933-7B		Linoleum (peach colored) with inseparable adhesive		Side Room (accessed from street) - patch area
933-7C		Linoleum (peach colored) with inseparable adhesive		Side Room (accessed from street) - patch area
933-8A	8	12x12 Floor Tile (gray) with inseparable adhesive	N/A	Side Room (accessed from street) - top layer
933-8B		12x12 Floor Tile (gray) with inseparable adhesive		Side Room (accessed from street) - top layer
933-8C		12x12 Floor Tile (gray) with inseparable adhesive		Side Room (accessed from street) - top layer

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 4/17/19 5:00pm

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: L. Tchorzewski Date/Time: 4/18/19

Method of shipment: Mail

Sample Condition Upon Receipt:

Acceptable

Other (Explain):

Comments:

 19-04157

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CHAIN-OF-CUSTODY

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: 933 Edgewater Rd, Bronx, NY - BLOCK 2761, LOT 224 (Ochun Auto Repair)

SPECIAL INSTRUCTIONS TO LABORATORY: Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
933-9A.1	9	9x9 Floor Tile (green)	N/A	Side Room (accessed from street) - beneath gray tile and over wood substrate
933-9A.2		Black Mastic/Tar Paper (inseparable) for green tile		Side Room (accessed from street) - beneath gray tile and over wood substrate
933-9B.1		9x9 Floor Tile (green)		Side Room (accessed from street) - beneath gray tile and over wood substrate
933-9B.2		Black Mastic/Tar Paper (inseparable) for green tile		Side Room (accessed from street) - beneath gray tile and over wood substrate
933-9C.1		9x9 Floor Tile (green)		Side Room (accessed from street) - beneath gray tile and over wood substrate
933-9C.2		Black Mastic/Tar Paper (inseparable) for green tile		Side Room (accessed from street) - beneath gray tile and over wood substrate
933-10A	10	Mortar	N/A	Garage Area associated with cinderblock wall
933-10B		Mortar		Garage Area associated with cinderblock wall
933-10C		Mortar		Garage Area associated with brick wall
933-11A	11	Glazing	N/A	Exterior window panes
933-11B		Glazing		Exterior window panes
933-11C		Glazing		Exterior window panes
933-12A	12	Door Insulation (aircell)	N/A	Ground level bathroom door
933-12B		Door Insulation (aircell)		Ground level bathroom door
933-12C		Door Insulation (aircell)		Ground level bathroom door

Collected By: Glenn Umstetter

Collector's Signature: [signature]

Relinquished By: [signature] Date/Time: 4/17/19 5:00pm

Received By: [signature] Date/Time:

Relinquished By: Date/Time:

Received By: [signature] Date/Time: 4/18/19

Method of shipment: Mail

Sample Condition Upon Receipt:

Acceptable: (circled)

Other (Explain):

Comments:

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Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, 1376 Garrison Avenue, Bronx, NY - BLOCK 2761, LOT 224, **(Food Market)**
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1376-1A 19-04-158-01	Ceiling Plaster	Storage Area - Ceiling	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-1B 19-04-158-02			Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-1C 19-04-158-03			Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-1D 19-04-158-04			Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-1E 19-04-158-05			Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-2A.1 19-04-158-06	Joint Compound	Bathroom Wall	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-2A.2 19-04-158-07	Joint Tape		Tan Homogeneous Friable	Not Applicable			90% CELL	10%	NAD	
1376-2B.1 19-04-158-08	Joint Compound		White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-2B.2 19-04-158-09	Joint Tape		Tan Homogeneous Friable	Not Applicable			92% CELL	8%	NAD	
1376-2C.1 19-04-158-10	Joint Compound	Office Wall	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-2C.2 19-04-158-11	Joint Tape		Tan Homogeneous Friable	Not Applicable			88% CELL	12%	NAD	

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PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1376-3A 19-04-158-12	Gypsum Board	Bathroom Wall	Gray Homogeneous Friable	Not Applicable			6% CELL	94%	NAD	
1376-3B 19-04-158-13			Gray Homogeneous Friable	Not Applicable			5% CELL 1% FBGL	94%	NAD	
1376-3C 19-04-158-14		Office Wall	Gray Homogeneous Friable	Not Applicable			5% CELL 2% FBGL	93%	NAD	
1376-4A 19-04-158-15	Ceramic Wall Tile (mortar)	Bathroom Wall	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-4B 19-04-158-16			Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-4C 19-04-158-17			Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-5A 19-04-158-18	Ceramic Wall Tile (grout)	Bathroom Wall	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-5B 19-04-158-19			White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-5C 19-04-158-20			White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-6A 19-04-158-21	Ceramic Floor Tile (mortar)	Bathroom Floor	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-6B 19-04-158-22			Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-6C 19-04-158-23			Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	

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Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1376-7A 19-04-158-24	Ceramic Floor Tile (grout)	Bathroom Floor	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-7B 19-04-158-25			White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-7C 19-04-158-26			White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-8A 19-04-158-27	Ceiling Tile (suspended)	Office Ceiling	Gray Homogeneous Friable	25.0	27.1	47.9	60% CELL 10% FBGL	30%	NAD inconclusive	NAD
1376-8B 19-04-158-28			Gray Homogeneous Friable	26.7	26.1	47.2	55% CELL 8% FBGL	37%	NAD inconclusive	NAD
1376-8C 19-04-158-29			Gray Homogeneous Friable	24.0	11.1	64.9	58% CELL 5% FBGL	37%	NAD inconclusive	NAD
1376-9A 19-04-158-30	Ceramic Floor Tile (mortar)	Office Floor	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-9B.1 19-04-158-31	Ceramic Floor Tile (mortar) - 1st layer		White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-9B.2 19-04-158-32	Ceramic Floor Tile (mortar) - 2nd layer		Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-9C.1 19-04-158-33	Ceramic Floor Tile (mortar) - 1st layer		White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-9C.2 19-04-158-34	Ceramic Floor Tile (mortar) - 2nd layer		Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	

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Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
1376-10A.1 19-04-158-35	Ceramic Floor Tile (grout) - 1st layer	Office Floor	White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-10A.2 19-04-158-36	Ceramic Floor Tile (grout) – 2nd layer		Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-10B.1 19-04-158-37	Ceramic Floor Tile (grout) - 1st layer		White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-10B.2 19-04-158-38	Ceramic Floor Tile (grout) – 2nd layer		Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-10C.1 19-04-158-39	Ceramic Floor Tile (grout) - 1st layer		White Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-10C.2 19-04-158-40	Ceramic Floor Tile (grout) – 2nd layer		Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-11A 19-04-158-41	Mortar	Brick Wall near bathroom	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-11B 19-04-158-42		Brick wall near roll-up door	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-11C 19-04-158-43		Cinderblock wall near bathroom	Gray Homogeneous Friable	Not Applicable			0%	100%	NAD	
1376-12A 19-04-158-44	Gypsum Board	Storage Area - Ceiling	Gray Homogeneous Friable	Not Applicable			8% CELL	92%	NAD	
1376-12B 19-04-158-45			Gray Homogeneous Friable	Not Applicable			4% CELL	96%	NAD	
1376-12C 19-04-158-46			Gray Homogeneous Friable	Not Applicable			5% CELL	95%	NAD	

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PROJECT: 18010

Date Received: 4/18/19
Date of PLM Analysis: 4/19/19
Date of TEM Analysis: 4/20/19
Date of Report: 4/22/19

PLM Analyst: M. Ramirez
TEM Analyst: H. Ran

Analyst: Melvin Ramirez
M. Ramirez

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

 19-04-158

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: 1376 Garrison Ave, Bronx, NY - BLOCK 2761, LOT 224 (Food Market)

SPECIAL INSTRUCTIONS TO LABORATORY: Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
1376-1A	1	Ceiling Plaster	Ground Level	Storage Area - ceiling
1376-1B		Ceiling Plaster		Storage Area - ceiling
1376-1C		Ceiling Plaster		Storage Area - ceiling
1376-1D		Ceiling Plaster		Storage Area - ceiling
1376-1E		Ceiling Plaster		Storage Area - ceiling
1376-2A.1	2	Joint Compound	Ground Level	Bathroom wall
1376-2A.2		Joint Tape		Bathroom wall
1376-2B.1		Joint Compound		Bathroom wall
1376-2B.2		Joint Tape		Bathroom wall
1376-2C.1		Joint Compound		Office wall
1376-2C.2		Joint Tape		Office wall
1376-3A	3	Gypsum Board	Ground Level	Bathroom wall
1376-3B		Gypsum Board		Bathroom wall
1376-3C		Gypsum Board		Office wall
1376-4A	4	Ceramic Wall Tile (mortar)	Ground Level	Bathroom wall
1376-4B		Ceramic Wall Tile (mortar)		Bathroom wall
1376-4C		Ceramic Wall Tile (mortar)		Bathroom wall
1376-5A	5	Ceramic Wall Tile (grout)	Ground Level	Bathroom wall
1376-5B		Ceramic Wall Tile (grout)		Bathroom wall
1376-5C		Ceramic Wall Tile (grout)		Bathroom wall
1376-6A	6	Ceramic Floor Tile (mortar)	Ground Level	Bathroom floor
1376-6B		Ceramic Floor Tile (mortar)		Bathroom floor
1376-6C		Ceramic Floor Tile (mortar)		Bathroom floor
1376-7A	7	Ceramic Floor Tile (grout)	Ground Level	Bathroom floor
1376-7B		Ceramic Floor Tile (grout)		Bathroom floor
1376-7C		Ceramic Floor Tile (grout)		Bathroom floor

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 4/17/19 5:00pm

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: L Tchorzewski Date/Time: 4/18/19

Method of shipment: Mail

Sample Condition Upon Receipt:

Acceptable:

Other (Explain):

Comments:

19-04-158

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.

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CHAIN-OF-CUSTODY

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: 1376 Garrison Ave, Bronx, NY - BLOCK 2761, LOT 224 (Food Market)

SPECIAL INSTRUCTIONS TO LABORATORY:
Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
1376-8A	8	Ceiling Tile (suspended)	Ground Level	Office ceiling
1376-8B		Ceiling Tile (suspended)		Office ceiling
1376-8C		Ceiling Tile (suspended)		Office ceiling
1376-9A	9	Ceramic Floor Tile (mortar)	Ground Level	Office floor
1376-9B		Ceramic Floor Tile (mortar)		Office floor
1376-9C		Ceramic Floor Tile (mortar)		Office floor
1376-10A	10	Ceramic Floor Tile (grout)	Ground Level	Office floor
1376-10B		Ceramic Floor Tile (grout)		Office floor
1376-10C		Ceramic Floor Tile (grout)		Office floor
1376-11A	11	Mortar	Ground Level	Brick wall near bathroom
1376-11B		Mortar		Brick wall near roll-up door
1376-11C		Mortar		Cinderblock wall near bathroom
1376-12A	12	Gypsum Board	Ground Level	Storage Area - ceiling
1376-12B		Gypsum Board		Storage Area - ceiling
1376-12C		Gypsum Board		Storage Area - ceiling

Collected By: Glenn Umstetter

Collector's Signature: [signature]

Relinquished By: [signature] Date/Time: 4/17/19 5:00pm

Received By: [signature] Date/Time:

Relinquished By: Date/Time:

Received By: L Tchorzewski Date/Time: 4/18/19

Method of shipment: Mail

Sample Condition Upon Receipt:

Acceptable: Other (Explain):

Comments:

alpha Labs
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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, 935 Edgewater Rd, Bronx, NY – BLOCK 2761, LOT 224 **(Owner Bldg)**
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
935-1A 19-04-159-01	Mortar	Garage Area assoc. with cinderblock wall	Gray Homogeneous Friable	Not Applicable			0%	100%	**NAD**	
935-1B 19-04-159-02	Mortar	Garage Area assoc. with cinderblock wall	Gray Homogeneous Friable	Not Applicable			0%	100%	**NAD**	
935-1C 19-04-159-03	Mortar	Garage Area assoc. with cinderblock wall	Gray Homogeneous Friable	Not Applicable			0%	100%	**NAD**	
935-2A 19-04-159-04	Gypsum board	Garage ceiling	Gray Homogeneous Friable	Not Applicable			7% CELL	93%	**NAD**	
935-2B 19-04-159-05	Gypsum board	Garage ceiling	Gray Homogeneous Friable	Not Applicable			5% CELL	95%	**NAD**	
935-2C 19-04-159-06	Gypsum board	Garage ceiling	Gray Homogeneous Friable	Not Applicable			8% CELL	92%	**NAD**	
935-3A.1 19-04-159-07	9x9 Floor Tile	Office	Green Homogeneous NOB	24.2	28.4	47.5	0%	95.1%	**4.9% CH**	
935-3A.2 19-04-159-08	Mastic for green floor tile	Office	Black Homogeneous NOB	44.0	15.3	40.7	0%	100%	**NAD** inconclusive	**2.0% CH**
935-3B.1 19-04-159-09	9x9 Floor Tile	Office	Green Homogeneous NOB	24.5	17.2	58.3			NA/PS	
935-3B.2 19-04-159-10	Mastic for green floor tile	Office	Black Homogeneous NOB	41.7	40.8	17.5	0%	100%	**NAD** inconclusive	NA/PS
935-3C.1 19-04-159-11	9x9 Floor Tile	Office	Green Homogeneous NOB	24.4	14.2	61.4			NA/PS	
935-3C.2 19-04-159-12	Mastic for green floor tile	Office	Black Homogeneous NOB	83.1	14.2	2.8	0%	100%	**NAD** inconclusive	NA/PS

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, 935 Edgewater Rd, Bronx, NY – BLOCK 2761, LOT 224 **(Owner Bldg)**
PROJECT: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
935-4A 19-04-159-13	Wall board	Office	Brown Homogeneous NOB	84.4	13.9	1.7	0%	100%	NAD inconclusive	NAD
935-4B 19-04-159-14	Wall board	Office	Brown Homogeneous NOB	98.3	0.3	1.4	0%	100%	NAD inconclusive	NAD
935-4C 19-04-159-15	Wall board	Office	Brown Homogeneous NOB	97.9	0.8	1.3	0%	100%	NAD inconclusive	NAD
935-5A 19-04-159-16	Gypsum board	Office Ceiling	Gray Homogeneous Friable	Not Applicable			5% CELL	95%	NAD	
935-5B 19-04-159-17	Gypsum board	Office Ceiling	Gray Homogeneous Friable	Not Applicable			8% CELL	92%	NAD	
935-5C 19-04-159-18	Gypsum board	Office Ceiling	Gray Homogeneous Friable	Not Applicable			7% CELL	93%	NAD	

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT / Dewberry, 935 Edgewater Rd, Bronx, NY – BLOCK 2761, LOT 224 **(Owner Bldg)**
PROJECT: 18010

Date Received: 4/18/19
Date of PLM Analysis: 4/20/19
Date of TEM Analysis: 4/22/19
Date of Report: 4/23/19

PLM Analyst: M. Ramirez
TEM Analyst: A. Ansari

Analyst: Melvin Ramirez
M. Ramirez

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser# 1240608), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(October 1, 2018)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

 19-04-159

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328-1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: 935 Edgewater Rd, Bronx, NY - BLOCK 2761, LOT 224 (Owner Bldg)

SPECIAL INSTRUCTIONS TO LABORATORY:
Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED
PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
935-1A	1	Mortar	Ground Level	Garage Area associated with cinderblock wall
935-1B		Mortar		Garage Area associated with cinderblock wall
935-1C		Mortar		Garage Area associated with cinderblock wall
935-2A	2	Gypsum Board	Ground Level	Garage ceiling
935-2B		Gypsum Board		Garage ceiling
935-2C		Gypsum Board		Garage ceiling
935-3A.1	3	9x9 Green Floor Tile	Ground Level	Office
935-3A.2		Mastic for green floor tile		Office
935-3B.1		9x9 Green Floor Tile		Office
935-3B.2		Mastic for green floor tile		Office
935-3C.1		9x9 Green Floor Tile		Office
935-3C.2		Mastic for green floor tile		Office
935-4A	4	Wallboard	Ground Level	Office
935-4B		Wallboard		Office
935-4C		Wallboard		Office
933-5A	5	Gypsum Board	Ground Level	Office ceiling
933-5B		Gypsum Board		Office ceiling
933-5C		Gypsum Board		Office ceiling

Collected By: Glenn Umstetter

Collector's Signature: [signature]

Relinquished By: [signature] Date/Time: 4/17/19 [illegible]

Received By: [signature] Date/Time:

Relinquished By: Date/Time:

Received By: [signature] Date/Time: 4/17/19

Method of shipment: Mail

Sample Condition Upon Receipt:
Acceptable
Other (Explain):

Comments:

Retaining Walls within Amtrak Right-of-Way

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: Dewberry/ NYSDOT- Retaining Walls from East 149th Street to 156th Street
PROJECT #: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
RW-1A 20-04-050-01	Beige Caulk	Within vertical joint (1st joint east of Pier 88)	Grey Homogeneous NOB	21.6	61.2	17.2	0%	97.8%	**2.2% CH**	
RW-1B 20-04-050-02	Beige Caulk	Within vertical joint (2nd joint west of Pier 99)	Grey Homogeneous NOB	21.6	61.4	17 0			NA/PS	
RW-1C 20-04-050-03	Beige Caulk	Within vertical joint (1st joint west of Pier 99)	Grey Homogeneous NOB	23.3	26.8	49.9			NA/PS	
RW-1D 20-04-050-04	Beige Caulk	Within vertical joint (joint between Pier 102 and Pier 103)	Grey Homogeneous NOB	28.8	31.8	39.3			NA/PS	
RW-1E 20-04-050-05	Beige Caulk	Within vertical joint (joint between Pier 103 and Pier 104)	Grey Homogeneous NOB	15.4	66.0	18.6			NA/PS	
RW-1F 20-04-050-06	Beige Caulk	Within vertical joint (1st joint west of Pier 105)	Grey Homogeneous NOB	24.0	57.2	18.9			NA/PS	
RW-2A 20-04-050-07	Joint Filler	Within vertical joint (2nd joint east of Pier 88)	Black Homogeneous NOB	86.4	8.4	5.2	0%	100%	**NAD** inconclusive	**Trace CH**
RW-2B 20-04-050-08	Joint Filler	Within vertical joint (2nd joint west of Pier 99)	Black Homogeneous NOB	89.3	6.4	4.3	0%	100%	**NAD** inconclusive	**NAD**
RW-2C 20-04-050-09	Joint Filler	Within vertical joint (1st joint west of Pier 99)	Black Homogeneous NOB	84.4	5.6	10.0	0%	100%	**NAD** inconclusive	**NAD**
RW-2D 20-04-050-10	Joint Filler	Within vertical joint (joint between Pier 102 and Pier 103)	Black Homogeneous NOB	36.8	11.3	51.9	0%	100%	**NAD** inconclusive	**Trace CH**
RW-2E 20-04-050-11	Joint Filler	Within vertical joint (joint between Pier 103 and Pier 104)	Black Homogeneous NOB	89.3	2.9	7.7	0%	100%	**NAD** inconclusive	**Trace CH**
RW-2F 20-04-050-12	Joint Filler	Within vertical joint (1st joint west of Pier 105)	Black Homogeneous NOB	73.3	15.5	11.2	0%	100%	**NAD** inconclusive	**Trace CH**

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Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: Dewberry/ NYSDOT- Retaining Walls from East 149th Street to 156th Street
PROJECT #: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
RW-3A 20-04-050-13	White Caulk	Within sidewalk parapet joint at base of Pier 87	Grey Homogeneous NOB	22.1	63.5	14.4	0%	98.5%	**1.5% CH**	
RW-3B 20-04-050-14	White Caulk	Within sidewalk parapet joint at base of Pier 87	Grey Homogeneous NOB	22.9	71.5	5.6			NA/PS	
RW-3C 20-04-050-15	White Caulk	Within sidewalk parapet joint at base of Pier 87	Grey Homogeneous NOB	26.3	58.6	15.1			NA/PS	

Date Received: 4/17/20
Date of PLM Analysis: 4/20/20
Date of TEM Analysis: 4/20/20
Date of Report: 4/21/20

PLM Analyst: M. Ramirez
TEM Analyst: A. Ansari

Analyst: Melvin Ramirez
M. Ramirez

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipment: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser#:120405), Carlsan (Ser#: 011418), Olympus VMZ (Ser#: 983350); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532), Olympus BH-2 (Ser#: 227128), Meiji ML 9000 (Ser#: 902028). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(May 1, 2019)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328-1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

20-04-50

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter	TURNAROUND TIME: 72 Hours
PROJECT NUMBER: 18010 / CLIENT: Dewberry / NYSDOT	SPECIAL INSTRUCTIONS TO LABORATORY: Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs
LOCATION: Retaining Walls from East 149th Street to 156th Street	ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
RW-1A	1	Beige Caulk	N/A	Within vertical joint (1st joint east of Pier 88)
RW-1B		Beige Caulk		Within vertical joint (2nd joint west of Pier 99)
RW-1C		Beige Caulk		Within vertical joint (1st joint west of Pier 99)
RW-1D		Beige Caulk		Within vertical joint (joint between Pier 102 and Pier 103)
RW-1E		Beige Caulk		Within vertical joint (joint between Pier 103 and Pier 104)
RW-1F		Beige Caulk		Within vertical joint (1st joint west of Pier 105)
RW-2A	2	Joint Filler	N/A	Within vertical joint (2nd joint east of Pier 88)
RW-2B		Joint Filler		Within vertical joint (2nd joint west of Pier 99)
RW-2C		Joint Filler		Within vertical joint (1st joint west of Pier 99)
RW-2D		Joint Filler		Within vertical joint (joint between Pier 102 and Pier 103)
RW-2E		Joint Filler		Within vertical joint (joint between Pier 103 and Pier 104)
RW-2F		Joint Filler		Within vertical joint (1st joint west of Pier 105)
RW-3A	3	White Caulk	N/A	Within sidewalk parapet joint at base of Pier 87
RW-3B		White Caulk		Within sidewalk parapet joint at base of Pier 87
RW-3C		White Caulk		Within sidewalk parapet joint at base of Pier 87

Collected By: Glenn Umstetter	Collector's Signature:
Relinquished By: Date/Time: 4/16/20 10:00am	Received By: Date/Time:
Relinquished By: Date/Time:	Received By: Date/Time: 4/17/20
Method of shipment: Mail	Sample Condition Upon Receipt:
Comments:	Acceptable: Other (Explain):

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Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: Dewberry/ NYSDOT- Retaining Walls from Tiffany Street to Barretto Street
PROJECT #: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
RW-4A 20-04-051-01	Grey Caulk	Within vertical joint (at Pier 132)	Grey Homogeneous NOB	31.3	5.7	63.0	0%	93 0%	**7.0% CH**	
RW-4B 20-04-051-02	Grey Caulk	Within vertical joint (joint between Pier 132 and Pier 133)	Grey Homogeneous NOB	34.2	2.8	63.0			NA/PS	
RW-4C 20-04-051-03	Grey Caulk	Within vertical joint (joint between Pier 133 and Pier 134)	Grey Homogeneous NOB	27.0	4.1	68.9			NA/PS	
RW-5A 20-04-051-04	Joint Filler	Within vertical joint (at Pier 132)	Black Homogeneous NOB	87.5	4.2	8.4	0%	100%	**NAD** inconclusive	**NAD**
RW-5B 20-04-051-05	Joint Filler	Within vertical joint (joint between Pier 132 and Pier 133)	Black Homogeneous NOB	53.3	9.8	37.0	0%	100%	**NAD** inconclusive	**NAD**
RW-5C 20-04-051-06	Joint Filler	Within vertical joint (joint between Pier 133 and Pier 134)	Black Homogeneous NOB	94.5	3.2	2.2	0%	100%	**NAD** inconclusive	**NAD**
RW-6A 20-04-051-07	Tar	Around retaining wall drains (1st drain east of Pier 133)	Black Homogeneous NOB	91.3	5.6	3.2	0%	100%	**NAD** inconclusive	**NAD**
RW-6B 20-04-051-08	Tar	Around retaining wall drains (1st drain east of Pier 133)	Black Homogeneous NOB	90.9	6.1	3.0	0%	100%	**NAD** inconclusive	**NAD**
RW-6C 20-04-051-09	Tar	Around retaining wall drains (2nd drain east of Pier 133)	Black Homogeneous NOB	90.8	1.8	7.4	0%	100%	**NAD** inconclusive	**NAD**

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Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: Dewberry/ NYSDOT- Retaining Walls from Tiffany Street to Barretto Street
PROJECT #: 18010

Date Received: 4/17/20
Date of PLM Analysis: 4/20/20
Date of TEM Analysis: 4/20/20
Date of Report: 4/21/20

PLM Analyst: M. Ramirez
TEM Analyst: A. Ansari

Analyst: M. Ramirez

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipment: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser#:120405), Carlsan (Ser#: 011418), Olympus VMZ (Ser#: 983350); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532), Olympus BH-2 (Ser#: 227128), Meiji ML 9000 (Ser#: 902028). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(May 1, 2019)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

20:04:51

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter	TURNAROUND TIME: 72 Hours
PROJECT NUMBER: 18010 / CLIENT: Dewberry / NYSDOT	SPECIAL INSTRUCTIONS TO LABORATORY: Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs
LOCATION: Retaining Walls from Tiffany Street to Barretto Street	ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
RW-4A	4	Gray Caulk	N/A	Within vertical joint (at Pier 132)
RW-4B		Gray Caulk		Within vertical joint (joint between Pier 132 and Pier 133)
RW-4C		Gary Caulk		Within vertical joint (joint between Pier 133 and Pier 134)
RW-5A	5	Joint Filler	N/A	Within vertical joint (at Pier 132)
RW-5B		Joint Filler		Within vertical joint (joint between Pier 132 and Pier 133)
RW-5C		Joint Filler		Within vertical joint (joint between Pier 133 and Pier 134)
RW-6A	6	Tar	N/A	Around retaining wall drains (1st drain east of Pier 133)
RW-6B		Tar		Around retaining wall drains (1st drain east of Pier 133)
RW-6C		Tar		Around retaining wall drains (2nd drain east of Pier 133)

Collected By: Glenn Umstetter	Collector's Signature:
Relinquished By: Date/Time: 4/16/20 10:00am	Received By: Date/Time:
Relinquished By: Date/Time:	Received By: 4/17/20 Date/Time:
Method of shipment: Mail	Sample Condition Upon Receipt:
Comments:	Acceptable: Other (Explain):

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: Dewberry/ NYSDOT- Retaining Walls from Barretto Street to Faile Street
PROJECT #: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
RW-7A 20-04-052-01	Grey Caulk	Within vertical joint (between Barretto Street abutment wall and retaining wall	Grey Homogeneous NOB	27.1	8.0	64.9	0%	91%	9.0% CH	
RW-7B 20-04-052-02	Grey Caulk	Within vertical joint (at Pier 139)	Grey Homogeneous NOB	27.5	21.5	50.9			NA/PS	
RW-7C 20-04-052-03	Grey Caulk	Within vertical joint (at Pier 140)	Grey Homogeneous NOB	30.3	6.2	63.4			NA/PS	
RW-7D 20-04-052-04	Grey Caulk	Within vertical joint (1st joint east of Hunts Point Ave)	Grey Homogeneous NOB	19.9	2.0	78.2			NA/PS	
RW-7E 20-04-052-05	Grey Caulk	Within vertical joint (2nd joint east of Hunts Point Ave)	Grey Homogeneous NOB	29.6	37.2	33.1			NA/PS	
RW-7F 20-04-052-06	Grey Caulk	Within vertical zig-zag joint (8th joint east of Hunts Point Ave)	Grey Homogeneous NOB	30.8	12.8	56.4			NA/PS	
RW-8A 20-04-052-07	Joint Filler	Within vertical joint (at Pier 135)	Black Homogeneous NOB	56.1	15.6	28.3	0%	100%	NAD inconclusive	NAD
RW-8B 20-04-052-08	Joint Filler	Within vertical joint (at Pier 139)	Black Homogeneous NOB	88.8	4.3	6.9	0%	100%	NAD inconclusive	NAD
RW-8C 20-04-052-09	Joint Filler	Within vertical joint (at Pier 140)	Black Homogeneous NOB	88.9	5.2	5.9	0%	100%	NAD inconclusive	NAD
RW-8D 20-04-052-10	Joint Filler	Within vertical joint (1st joint east of Hunts Point Ave)	Black Homogeneous NOB	89.0	3.9	7.1	0%	100%	NAD inconclusive	NAD
RW-8E 20-04-052-11	Joint Filler	Within vertical joint (2nd joint east of Hunts Point Ave)	Black Homogeneous NOB	92.3	3.2	4.5	0%	100%	NAD inconclusive	NAD
RW-8F 20-04-052-12	Joint Filler	Within vertical zig-zag joint (8th joint east of Hunts Point Ave)	Black Homogeneous NOB	81.4	10.3	8.3	0%	100%	NAD inconclusive	Trace CH

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: Dewberry/ NYSDOT- Retaining Walls from Barretto Street to Faile Street
PROJECT #: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
RW-9A 20-04-052-13	Beige Caulk (newer caulk)	Within vertical joint (at Pier 140)	Grey Homogeneous NOB	15.7	66.0	18.3	0%	98.3%	1.7% CH	
RW-9B 20-04-052-14	Beige Caulk (newer caulk)	Within vertical joint (joint between Pier 140 and Pier 141)	Grey Homogeneous NOB	22.3	60.1	17.6			NA/PS	
RW-9C 20-04-052-15	Beige Caulk (newer caulk)	Within vertical joint (joint between Pier 140 and Pier 141)	Grey Homogeneous NOB	19.9	56.7	23.4			NA/PS	

Date Received: 4/17/20
Date of PLM Analysis: 4/20/20
Date of TEM Analysis: 4/20/20
Date of Report: 4/21/20

PLM Analyst: M. Ramirez
TEM Analyst: A. Ansari

Analyst: M. Ramirez

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipment: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser#:120405), Carlsan (Ser#: 011418), Olympus VMZ (Ser#: 983350); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532), Olympus BH-2 (Ser#: 227128), Meiji ML 9000 (Ser#: 902028). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(May 1, 2019)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

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CHAIN-OF-CUSTODY

20.04.52

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter

TURNAROUND TIME: 72 Hours

PROJECT NUMBER: 18010

CLIENT: Dewberry / NYSDOT

LOCATION: Retaining Walls from Barretto Street to Faile Street

SPECIAL INSTRUCTIONS TO LABORATORY: Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs

ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
RW-7A	7	Gray Caulk	N/A	Within vertical joint (between Barretto Street abutment wall and retaining wall)
RW-7B		Gray Caulk		Within vertical joint (at Pier 139)
RW-7C		Gray Caulk		Within vertical joint (at Pier 140)
RW-7D		Gray Caulk		Within vertical joint (1st joint east of Hunts Point Ave)
RW-7E		Gray Caulk		Within vertical joint (2nd joint east of Hunts Point Ave)
RW-7F		Gary Caulk		Within vertical zig-zag joint (8th joint east of Hunts Point Ave)
RW-8A	8	Joint Filler	N/A	Within vertical joint (at Pier 135)
RW-8B		Joint Filler		Within vertical joint (at Pier 139)
RW-8C		Joint Filler		Within vertical joint (at Pier 140)
RW-8D		Joint Filler		Within vertical joint (1st joint east of Hunts Point Ave)
RW-8E		Joint Filler		Within vertical joint (2nd joint east of Hunts Point Ave)
RW-8F		Joint Filler		Within vertical zig-zag joint (8th joint east of Hunts Point Ave)
RW-9A	9	Beige Caulk (newer caulk)	N/A	Within vertical joint (at Pier 140)
RW-9B		Beige Caulk (newer caulk)		Within vertical joint (joint between Pier 140 and Pier 141)
RW-9C		Beige Caulk (newer caulk)		Within vertical joint (joint between Pier 140 and Pier 141)

Collected By: Glenn Umstetter

Collector's Signature:

Relinquished By: Date/Time: 4/16/20 10:00am

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: 4/17/20 Date/Time:

Method of shipment: Mail

Sample Condition Upon Receipt:

Comments:

Acceptable:

Other (Explain):

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: Dewberry/ NYSDOT- Retaining Walls from Faile Street to Bryant Avenue
PROJECT #: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
RW-10A 20-04-053-01	Grey Caulk	Within vertical joint (4th joint east of Faile Street)	Grey Homogeneous NOB	33.5	7.9	58.6	0%	94 1%	**5.9% CH**	
RW-10B 20-04-053-02	Grey Caulk	Within vertical joint (5th joint east of Faile Street)	Grey Homogeneous NOB	26.1	16.3	57.6			NA/PS	
RW-10C 20-04-053-03	Grey Caulk	Within vertical joint (10th joint east of Faile Street)	Grey Homogeneous NOB	28.6	4.9	66.6			NA/PS	
RW-11A 20-04-053-04	Joint Filler	Within vertical joint (3rd joint east of Faile Street)	Black Homogeneous NOB	92.4	5.0	2.6	0%	100%	**NAD** inconclusive	**Trace CH**
RW-11B 20-04-053-05	Joint Filler	Within vertical joint (5th joint east of Faile Street)	Black Homogeneous NOB	83.6	10.9	5.5	0%	100%	**NAD** inconclusive	**Trace CH**
RW-11C 20-04-053-06	Joint Filler	Within vertical joint (10th joint east of Faile Street)	Black Homogeneous NOB	87.8	8.5	3.6	0%	100%	**NAD** inconclusive	**Trace CH**
RW-12A 20-04-053-07	Tar	Around retaining wall drains (drain near 5th joint)	Grey Homogeneous NOB	82.1	9.3	8.6	0%	98.7%	**1.3% CH**	
RW-12B 20-04-053-08	Tar	Around retaining wall drains (drain near 6th joint)	Grey Homogeneous NOB	88.7	6.6	4.7			NA/PS	
RW-12C 20-04-053-09	Tar	Around retaining wall drains (drain near 7th joint)	Grey Homogeneous NOB	79.1	15.6	5.4			NA/PS	

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: Dewberry/ NYSDOT- Retaining Walls from Faile Street to Bryant Avenue
PROJECT #: 18010

Date Received: 4/17/20
Date of PLM Analysis: 4/20/20
Date of TEM Analysis: 4/20/20
Date of Report: 4/21/20

PLM Analyst: M. Ramirez
TEM Analyst: A. Ansari

Analyst: M. Ramirez

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipment: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser#:120405), Carlsan (Ser#: 011418), Olympus VMZ (Ser#: 983350); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532), Olympus BH-2 (Ser#: 227128), Meiji ML 9000 (Ser#: 902028). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(May 1, 2019)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

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Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

20.04.53

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter	TURNAROUND TIME: 72 Hours
PROJECT NUMBER 18010 / CLIENT: Dewberry / NYSDOT	SPECIAL INSTRUCTIONS TO LABORATORY. Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop. QA all TEMs
LOCATION: Retaining Walls from Faile Street to Bryant Avenue	ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
RW-10A	10	Gray Caulk	N/A	Within vertical joint (4th joint east of Faile Street)
RW-10B		Gray Caulk		Within vertical joint (5th joint east of Faile Street)
RW-10C		Gary Caulk		Within vertical joint (10th joint east of Faile Street)
RW-11A	11	Joint Filler	N/A	Within vertical joint (3rd joint east of Faile Street)
RW-11B		Joint Filler		Within vertical joint (5th joint east of Faile Street)
RW-11C		Joint Filler		Within vertical joint (10th joint east of Faile Street)
RW-12A	12	Tar	N/A	Around retaining wall drains (drain near 5th joint)
RW-12B		Tar		Around retaining wall drains (drain near 6th joint)
RW-12C		Tar		Around retaining wall drains (drain near 7th joint)

Collected By: Glenn Umstetter	Collector's Signature:
Relinquished By: Date/Time: 4/16/20 10:00am	Received By: Date/Time: 4/17/20
Relinquished By: Date/Time:	Received By: Date/Time:
Method of shipment: Mail	Sample Condition Upon Receipt:
Comments:	Acceptable: Other (Explain).

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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: Dewberry/ NYSDOT- Retaining Walls from Bryant Avenue to Railroad Bridge
PROJECT #: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
RW-13A 20-04-054-01	Grey Caulk	Within vertical joint (1st joint east of Bryant Avenue)	Dark Grey Homogeneous NOB	33.5	7.9	58.6	0%	97.6%	2.4% CH	
RW-13B 20-04-054-02	Grey Caulk	Within vertical joint (3rd joint east of Bryant Avenue)	Dark Grey Homogeneous NOB	26.1	16.3	57.6			NA/PS	
RW-13C 20-04-054-03	Grey Caulk	Within vertical joint (5th joint east of Bryant Avenue)	Dark Grey Homogeneous NOB	28.6	4.9	66.6			NA/PS	
RW-14A 20-04-054-04	Joint Filler	Within vertical joint (3rd joint east of Faile Street)	Dark Brown Homogeneous NOB	90.4	4.6	5.0	0%	100%	NAD inconclusive	Trace CH
RW-14B 20-04-054-05	Joint Filler	Within vertical joint (5th joint east of Faile Street)	Dark Brown Homogeneous NOB	90.6	3.5	5.9	0%	100%	NAD inconclusive	Trace CH
RW-14C 20-04-054-06	Joint Filler	Within vertical joint (5th joint east of Bryant Avenue)	Dark Brown Homogeneous NOB	81.3	13.6	5.1	0%	100%	NAD inconclusive	Trace CH

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Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: Dewberry/ NYSDOT- Retaining Walls from Bryant Avenue to Railroad Bridge
PROJECT #: 18010

Date Received: 4/17/20
Date of PLM Analysis: 4/20/20
Date of TEM Analysis: 4/20/20
Date of Report: 4/21/20

PLM Analyst: D. Kogan
TEM Analyst: A. Ansari

Analyst: D. Kogan

QC Review / Date: D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipment: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser#:120405), Carlsan (Ser#: 011418), Olympus VMZ (Ser#: 983350); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532), Olympus BH-2 (Ser#: 227128), Meiji ML 9000 (Ser#: 902028). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(May 1, 2019)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

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CHAIN-OF-CUSTODY

20.04.54

PHONE/FAX/MAIL/OVERNIGHT RESULTS TO Glenn Umstetter	TURNAROUND TIME 72 Hours
PROJECT NUMBER. 18010 / CLIENT Dewberry / NYSDOT	SPECIAL INSTRUCTIONS TO LABORATORY: Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop! QA all TEMs
LOCATION Retaining Walls from Bryant Avenue to Railroad Bridge	ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
RW-13A	13	Gray Caulk	N/A	Within vertical joint (1st joint east of Bryant Avenue)
RW-13B		Gray Caulk		Within vertical joint (3rd joint east of Bryant Avenue)
RW-13C		Gary Caulk		Within vertical joint (5th joint east of Bryant Avenue)
RW-14A	14	Joint Filler	N/A	Within vertical joint (3rd joint east of Faile Street)
RW-14B		Joint Filler		Within vertical joint (5th joint east of Faile Street)
RW-14C		Joint Filler		Within vertical joint (5th joint east of Bryant Avenue)

Collected By: Glenn Umstetter	Collector's Signature:
Relinquished By: Date/Time: 4/16/20 - 10:00am	Received By: Date/Time:
Relinquished By: Date/Time:	Received By: Date/Time: 4/17/20
Method of shipment: Mail	Sample Condition Upon Receipt:
Comments:	Acceptable: Other (Explain):

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Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management Inc., 1983 Marcus Avenue, Suite 109, Lake Success NY 11042
BUILDING ADDRESS: NYSDOT/ Dewberry- Amtrack ROW Retaining Walls- Along Sidewalk
PROJECT #: 18010

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Estimated Non-Asbestos Fibrous Material	% Non-Fibrous Matrix Material	ASBESTOS % & Type	ASBESTOS % & Type
RW-15A 20-06-097-01	Black Caulk	Along base of sidewalk parapet wall (Pier #79)	Black Homogeneous NOB	90.6	4.0	5.4	0%	100%	**NAD** inconclusive	**NAD**
RW-15B 20-06-097-02	Black Caulk	Along base of sidewalk parapet wall (Pier #81)	Black Homogeneous NOB	91.8	4.6	3.6	0%	100%	**NAD** inconclusive	**NAD**
RW-15C 20-06-097-03	Black Caulk	Along base of sidewalk parapet wall (Pier #83)	Black Homogeneous NOB	90.1	3.9	6.1	0%	100%	**NAD** inconclusive	**NAD**

Date Received: 6/20/20
Date of PLM Analysis: 6/22/20
Date of TEM Analysis: 6/22/20
Date of Report: 6/22/20

PLM Analyst: M. Ramirez
TEM Analyst: A. Ansari

Analyst: M. Ramirez
M. Ramirez

QC Review / Date: _____
D. Molohides, Lab Director

NAD= No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 0.25%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose, SYNTH = Synthetic fibers, VERM = Vermiculite, WOLL = Wollastonite. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable samples) and protocol 198.6 (NOB samples). Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. This report includes the identification and quantitation of vermiculite as required by current NYS-DOH ELAP protocols & interim guidance letters. Analytical equipment: Stereobinocular microscopes: Professional Bin (PM #1), Accuscope (Ser#:120405), Carlsan (Ser#: 011418), Olympus VMZ (Ser#: 983350); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532), Olympus BH-2 (Ser#: 227128), Meiji ML 9000 (Ser#: 902028). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the US Government. This report contains data (bulk asbestos TEM results) that are not covered by the NVLAP accreditation. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(May 1, 2019)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

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(516) 328-1194 Fax (516) 328-1381

CHAIN-OF-CUSTODY

20-06-97

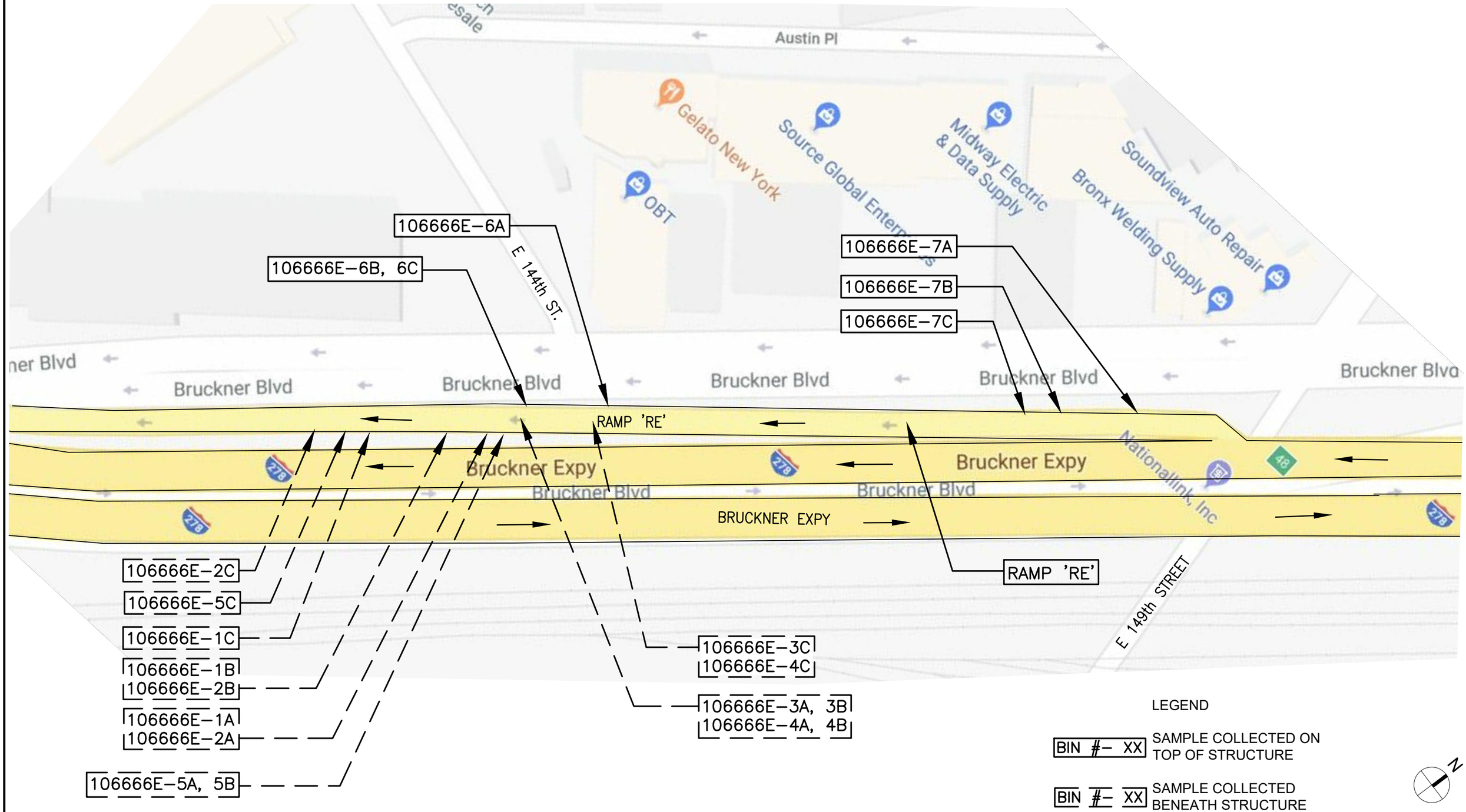
PHONE/FAX/MAIL/OVERNIGHT RESULTS TO: Glenn Umstetter	TURNAROUND TIME: 24 Hours
PROJECT NUMBER: 18010 / CLIENT: Dewberry / NYSDOT	SPECIAL INSTRUCTIONS TO LABORATORY: Analyze by Layers to first Positive and Stop. NOB inconclusive - re-analyze by TEM to first Positive and Stop QA all TEMs
LOCATION: Amtrak ROW Retaining Walls - Along Sidewalk	ANALYSIS REQUESTED: PLM /PLM NOB/TEM as required

BULK SAMPLE NUMBER	Homogeneous Material #	MATERIAL DESCRIPTION	Sample Location: Floor	Sample Location: ROOM/ AREA DESCRIPTION
RW-15A	15	Black Caulk	N/A	Along base of sidewalk parapet wall (Pier #79)
RW-15B		Black Caulk		Along base of sidewalk parapet wall (Pier #81)
RW-15C		Black Caulk		Along base of sidewalk parapet wall (Pier #83)

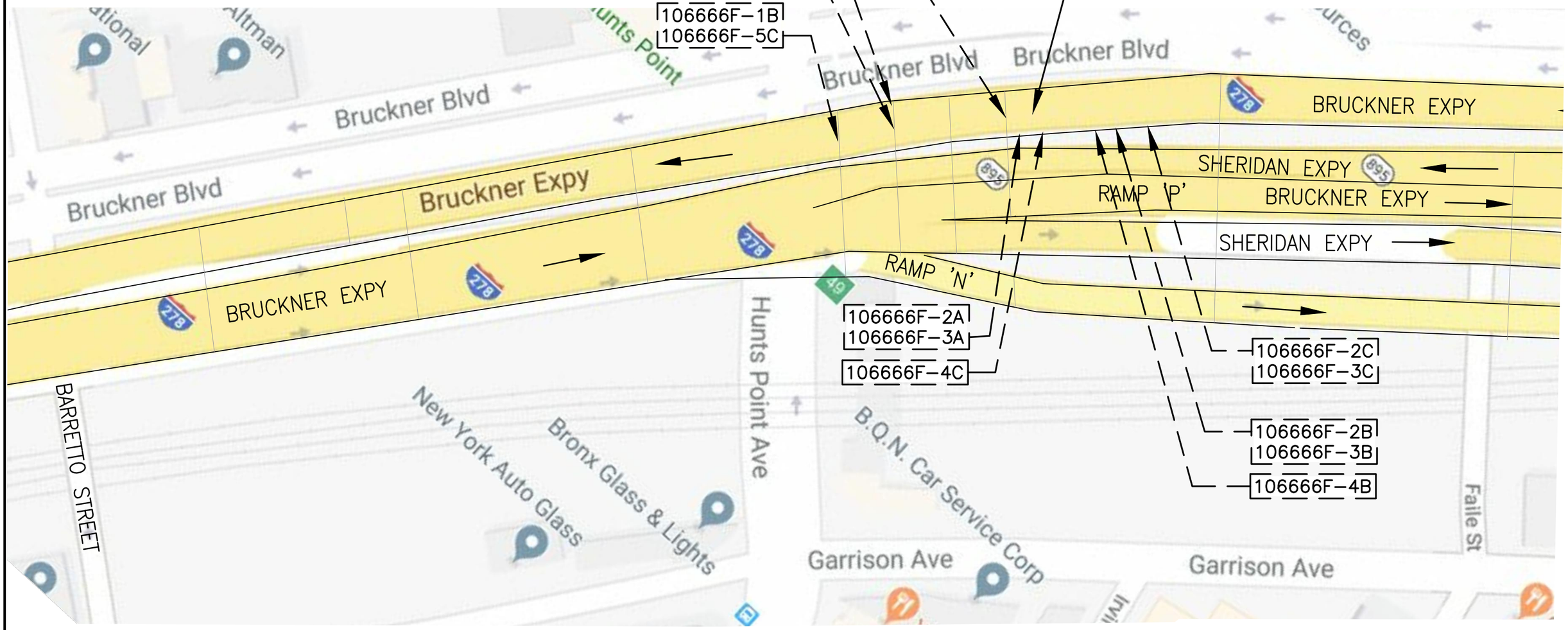
Collected By: Jon Steketee	Collector's Signature: for J. Steketee
Relinquished By: Glenn Umstetter — Date/Time: 6/19/2020 3:20pm	Received By: — Date/Time:
Relinquished By: — Date/Time:	Received By: — Date/Time: 6/20/20 12:00 pm
Method of shipment: Mail	Sample Condition Upon Receipt:
Comments:	Acceptable: — Other (Explain):

APPENDIX B

Asbestos Sample Location Schematics



EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05-22-2019	CLIENT: Dewberry
	CHECKED BY: GU	FILENAME: 18010_ASB DWGS	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY
	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 - Hunts Point Truck Access (Dewberry)		TITLE: BIN 106666E Bruckner Expressway Exit Ramp 'RE' BRONX, NY
			FIGURE: ASB-01 SHEET # 01 OF 21



LEGEND

BIN #- XX — SAMPLE COLLECTED ON TOP OF STRUCTURE

BIN #- XX — SAMPLE COLLECTED BENEATH STRUCTURE

N

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05-22-2019	CLIENT: Dewberry	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS	FIGURE: ASB-02
	CHECKED BY: GU	FILENAME: 18010_ASB DWGS			TITLE: BIN 106666F Bruckner Expressway Entry Ramp 'M' BRONX, NY	SHEET #02 OF 21
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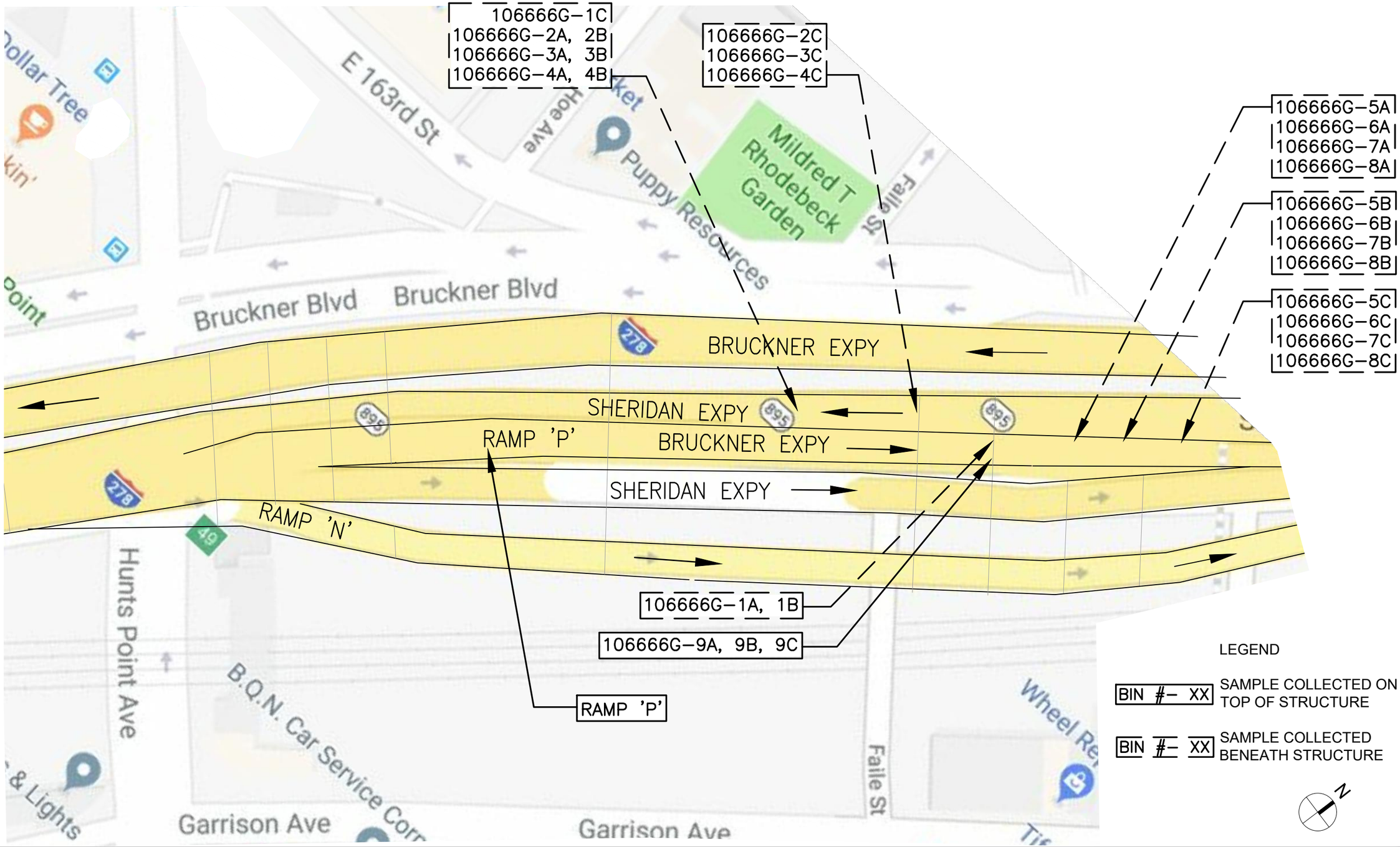

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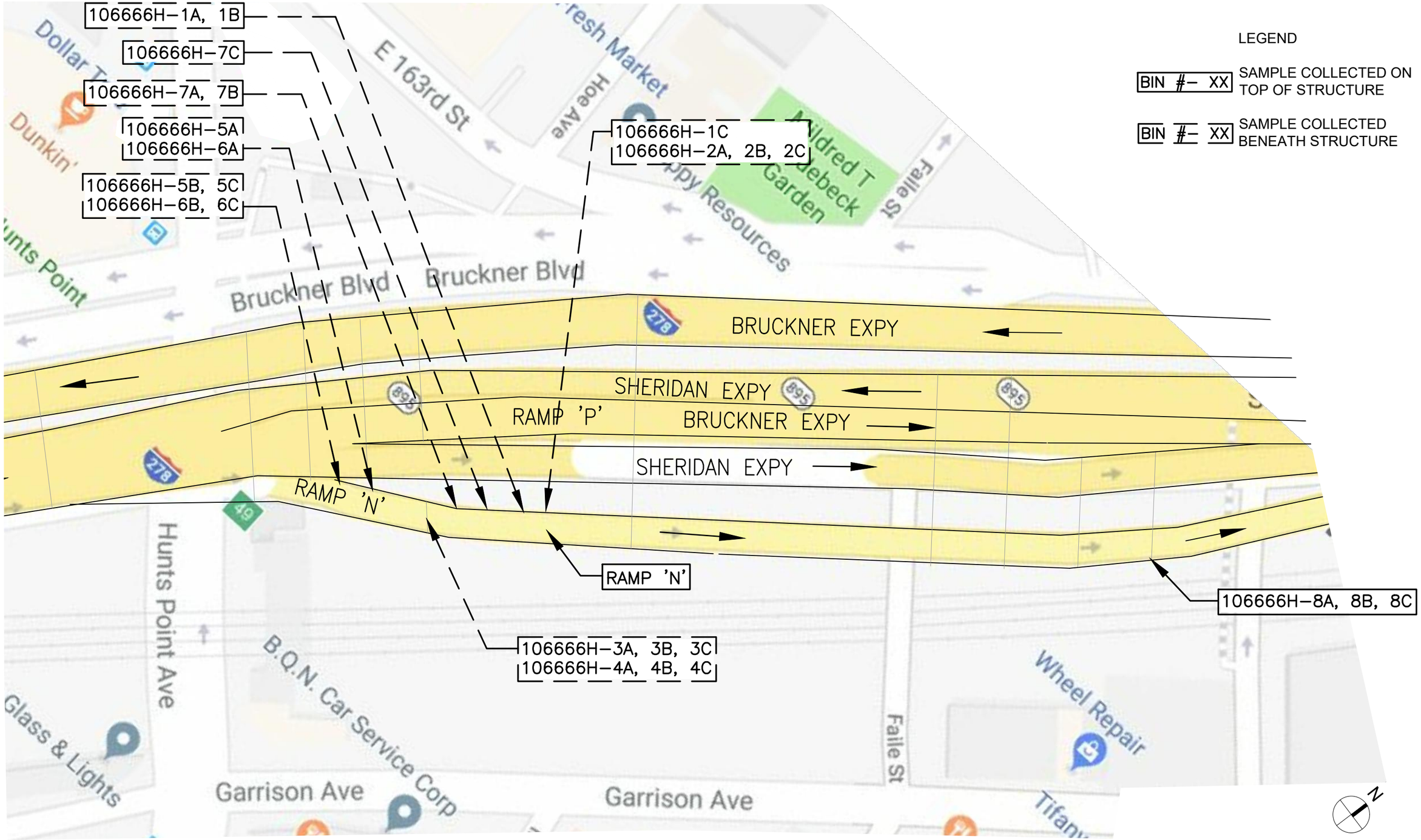
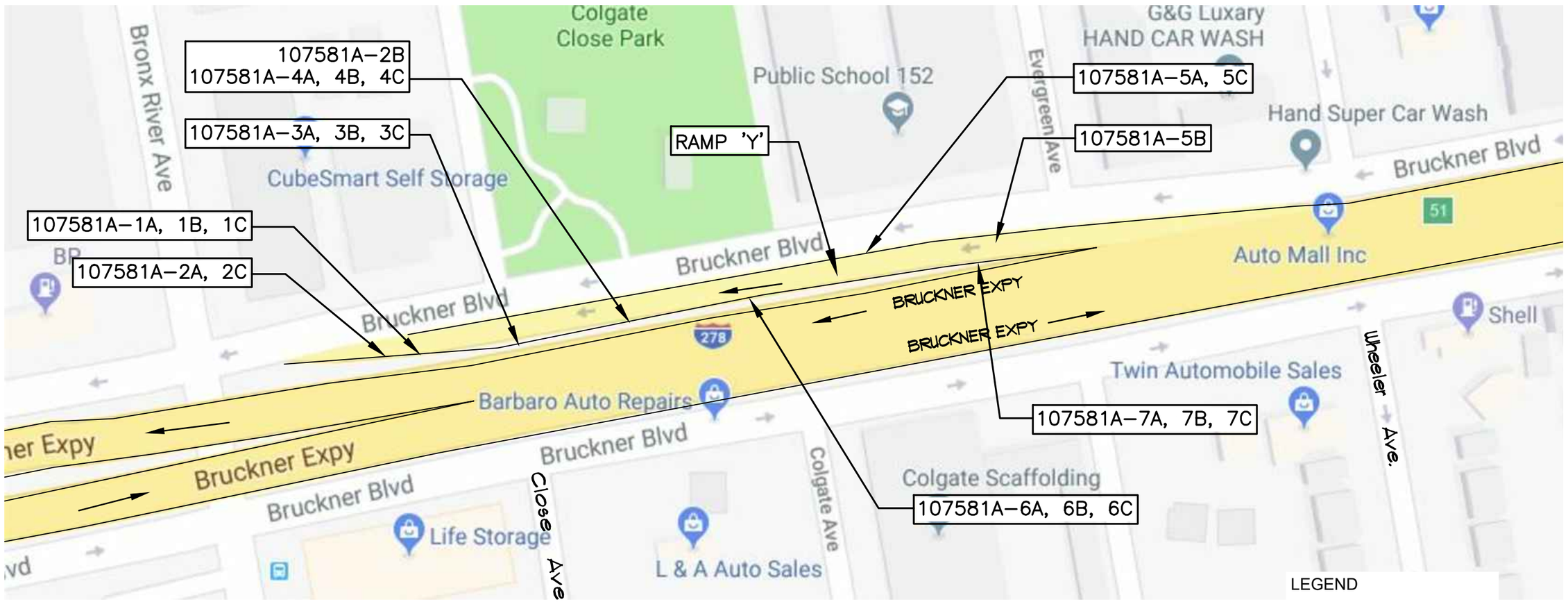
CHECKED BY: GU	FILENAME: 18010_ASB DWGS		
APPR'VD BY: SG	SCALE: NOT TO SCALE		
PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)			

FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
TITLE: BIN 106666G Bruckner Expressway Sheridan Parkway Ramp 'P' BRONX, NY

FIGURE: **ASB-03**
SHEET # 03 OF 21



EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05–22–2019	CLIENT: Dewberry	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	CHECKED BY: GU	FILENAME: 18010_ASB DWGS			TITLE: BIN 106666H Bruckner Expressway Exit Ramp 'N' BRONX, NY
	APPR'VD BY: SG	SCALE: NOT TO SCALE			FIGURE: ASB-04
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)				SHEET #04 OF 21



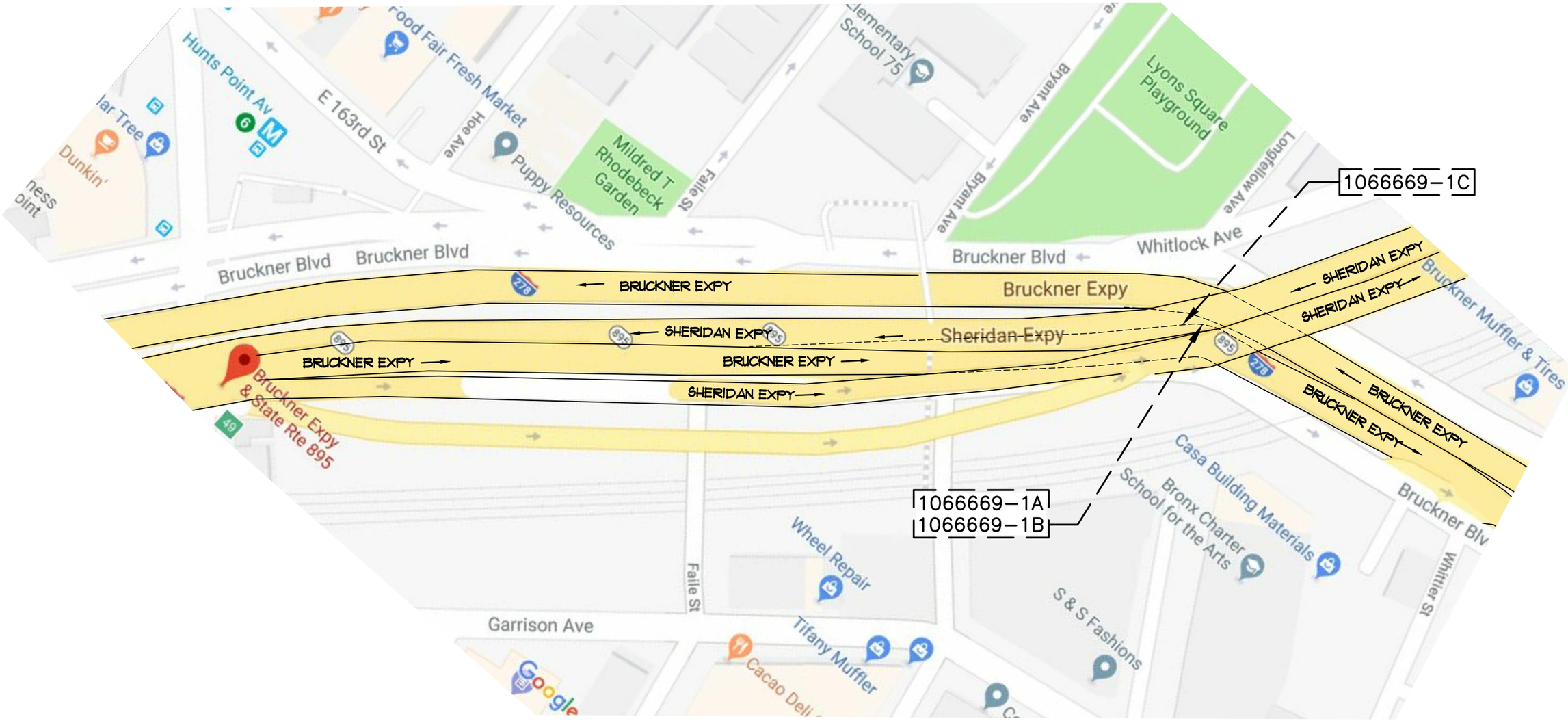
LEGEND

BIN #– XX SAMPLE COLLECTED ON TOP OF STRUCTURE

BIN #– XX SAMPLE COLLECTED BENEATH STRUCTURE

N

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05–22–2019	CLIENT: Dewberry®
	CHECKED BY: GU	FILENAME: 18010_ASB DWGS	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY
	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)		TITLE: BIN 107581A Bruckner Expressway Exit Ramp 'Y' BRONX, NY
			FIGURE: **ASB-05** SHEET #05 OF 21



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BIN #– XX SAMPLE COLLECTED ON TOP OF STRUCTURE

BIN #– XX SAMPLE COLLECTED BENEATH STRUCTURE

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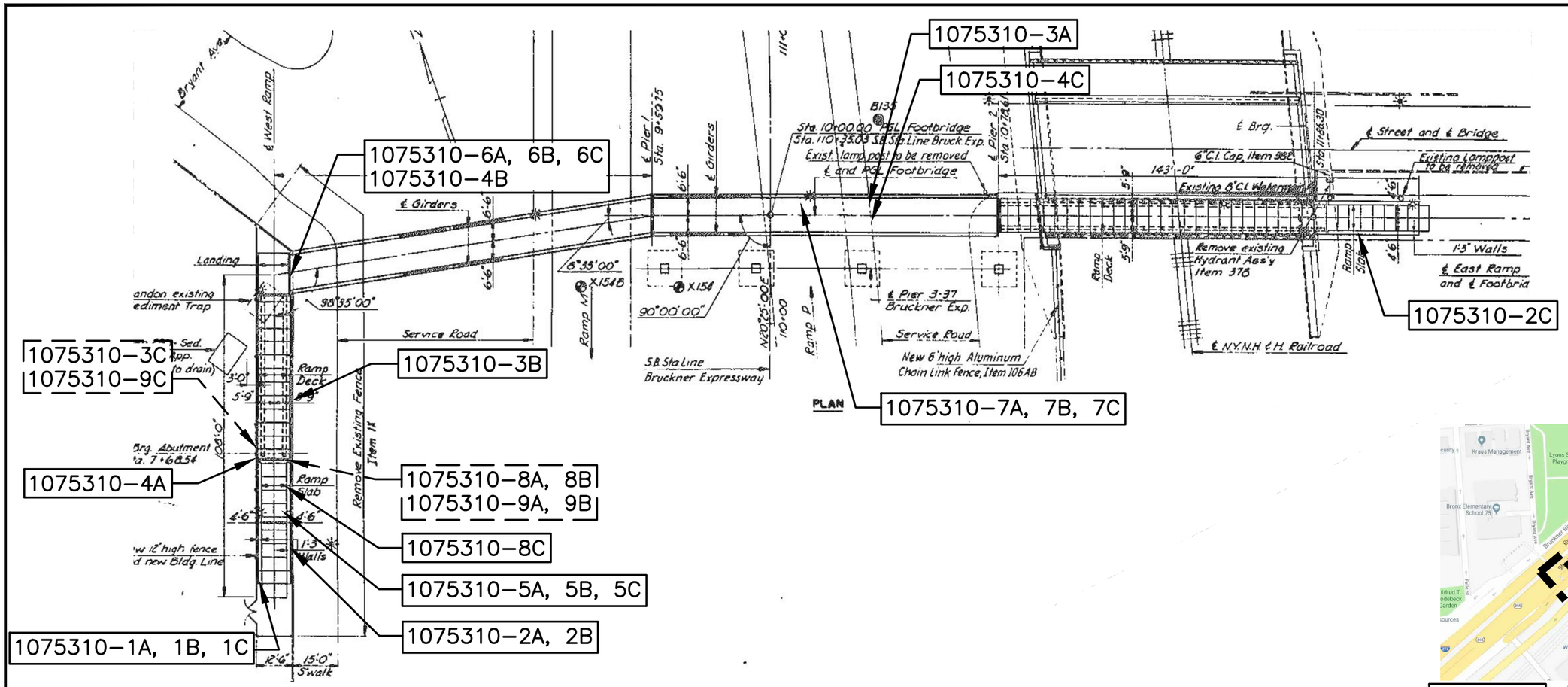
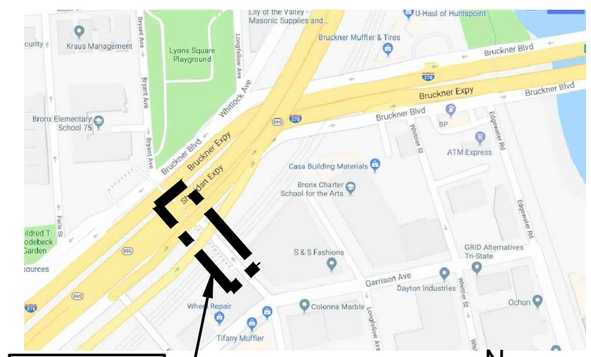
EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05–22–2019	CLIENT: Dewberry
	CHECKED BY: GU	FILENAME: 18010_ASB DWGS	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY
	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)		TITLE: BIN 1066669 Bruckner Expressway Viaduct BRONX, NY

FIGURE: **ASB-06**

SHEET #06 OF 21





ENLARGED PLAN

KEYPLAN
NOT TO SCALE

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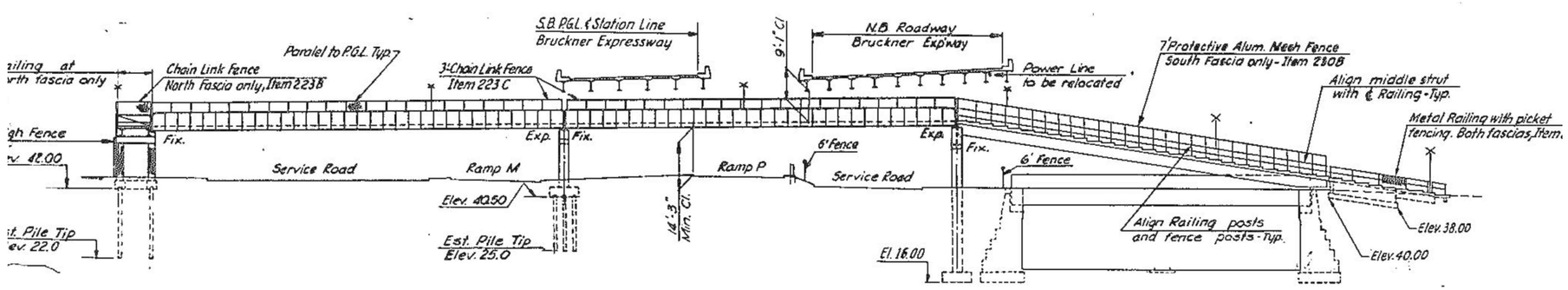

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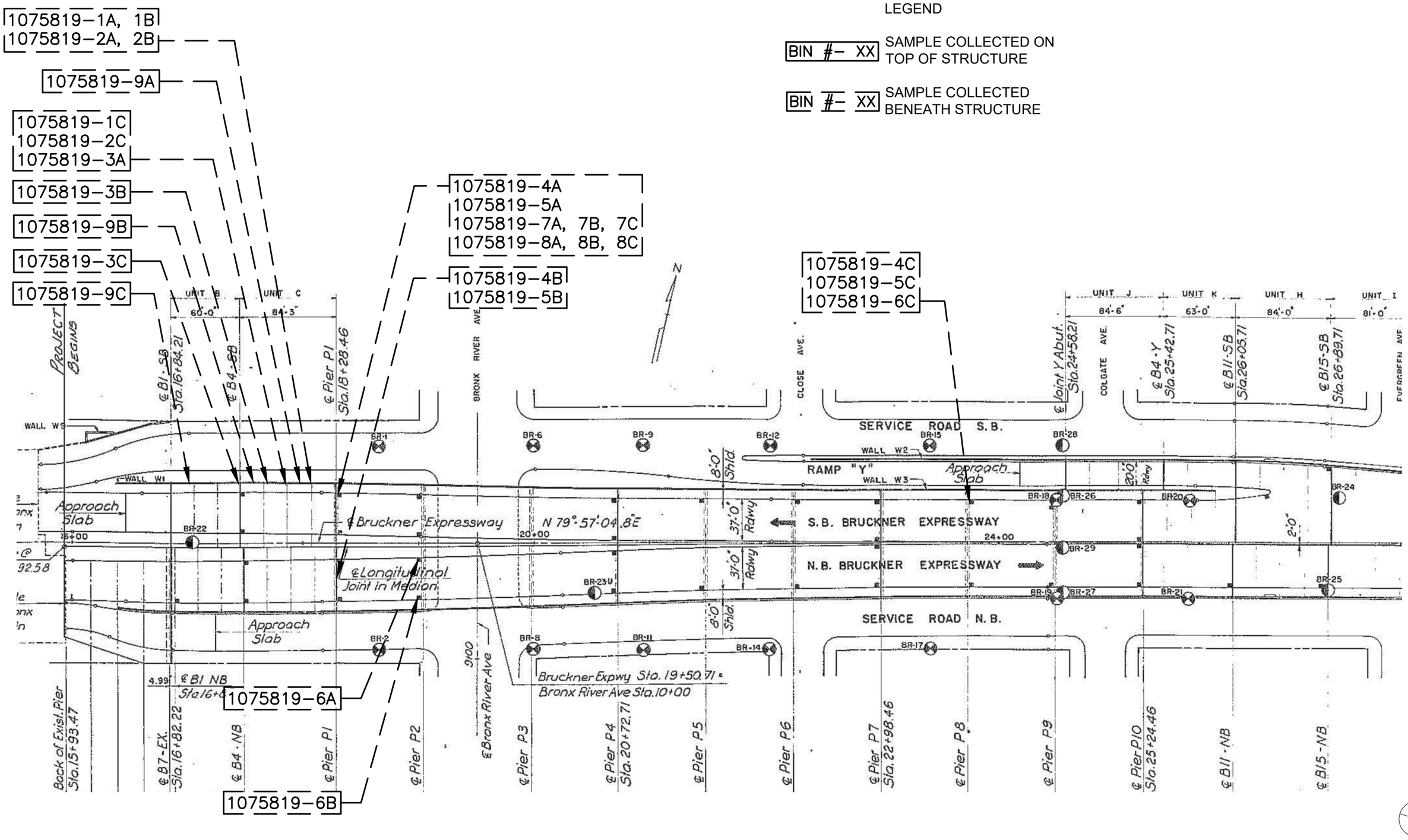
BIN #– XX — SAMPLE COLLECTED BENEATH STRUCTURE

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05–22–2019	CLIENT: Dewberry®
	CHECKED BY: GU	FILENAME: 18010_ASB DWGS	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY
	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)		TITLE: BIN 1075310 Bryant Avenue Pedestrian Bridge BRONX, NY
			FIGURE: ASB-07 SHEET #07 OF 21

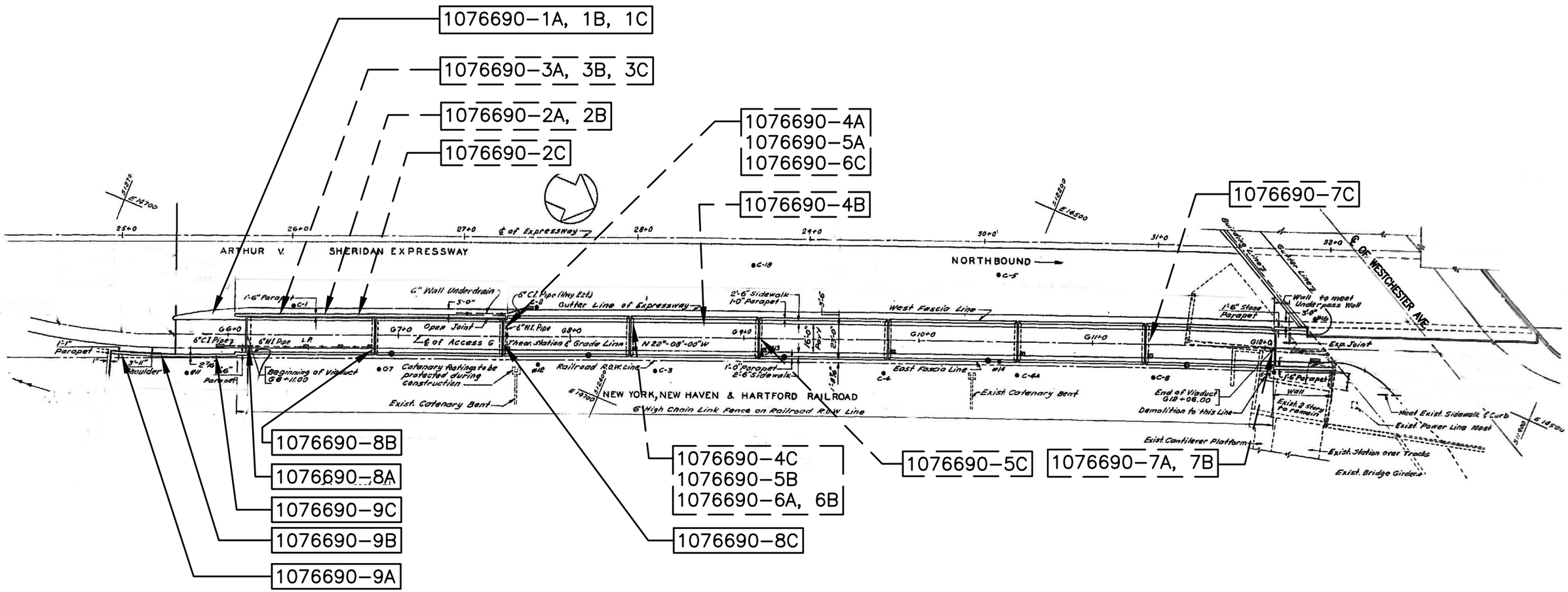
LEGEND

BIN #– XX SAMPLE COLLECTED ON TOP OF STRUCTURE

BIN #– XX SAMPLE COLLECTED BENEATH STRUCTURE



EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05–22–2019	CLIENT: Dewberry®
	CHECKED BY: GU	FILENAME: 18010_ASB DWGS	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY
	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)		TITLE: BIN 1075819 Bruckner Expressway over Bronx River Avenue BRONX, NY
			FIGURE: ASB-08 SHEET #08 OF 21



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BIN #– XX — SAMPLE COLLECTED ON TOP OF STRUCTURE

BIN #– XX — SAMPLE COLLECTED BENEATH STRUCTURE

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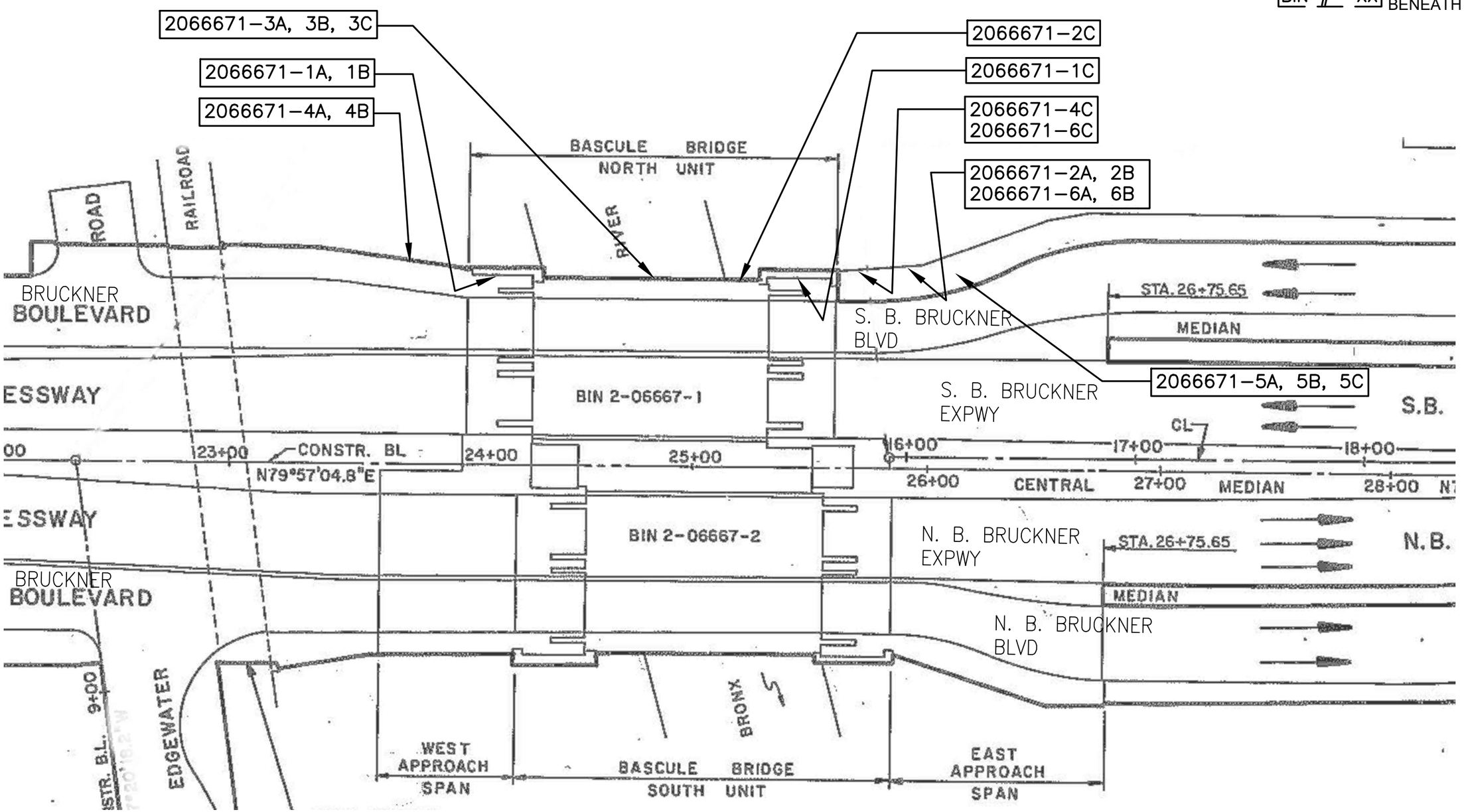
EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05–22–2019	CLIENT: Dewberry	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS	FIGURE: ASB-09
	CHECKED BY: GU	FILENAME: 18010_ASB DWGS			TITLE: BIN 1076690 Westchester Avenue Exit Ramp BRONX, NY	SHEET # 09 OF 21
	APPR'VD BY: SG	SCALE: NOT TO SCALE				
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)					

LEGEND

BIN #– XX SAMPLE COLLECTED ON TOP OF STRUCTURE

BIN #– XX SAMPLE COLLECTED BENEATH STRUCTURE



EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05–22–2019	CLIENT: Dewberry®
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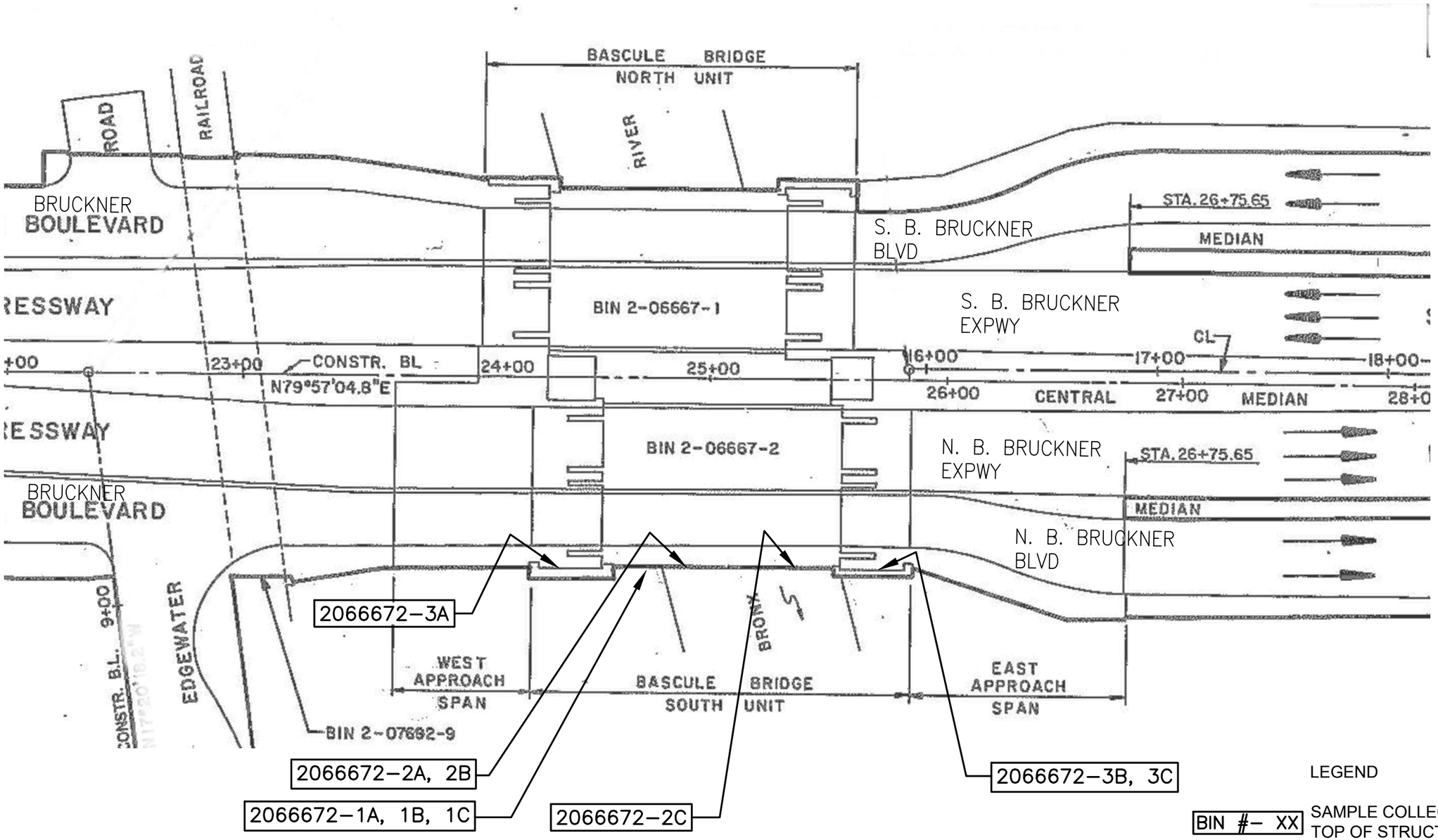
	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)		TITLE: BIN 2066671 Bronx River Eastern Blvd Bridge (westbound) BRONX, NY

FIGURE: **ASB-10**

SHEET #10 OF 21



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BIN #- XX — SAMPLE COLLECTED ON TOP OF STRUCTURE

BIN #- XX — SAMPLE COLLECTED BENEATH STRUCTURE

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EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05-22-2019	CLIENT: Dewberry®	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS	FIGURE: ASB-11
	CHECKED BY: GU	FILENAME: 18010_ASB DWGS			TITLE: BIN 2066672 Bronx River Eastern Blvd Bridge (eastbound) BRONX, NY	SHEET # 11 OF 21
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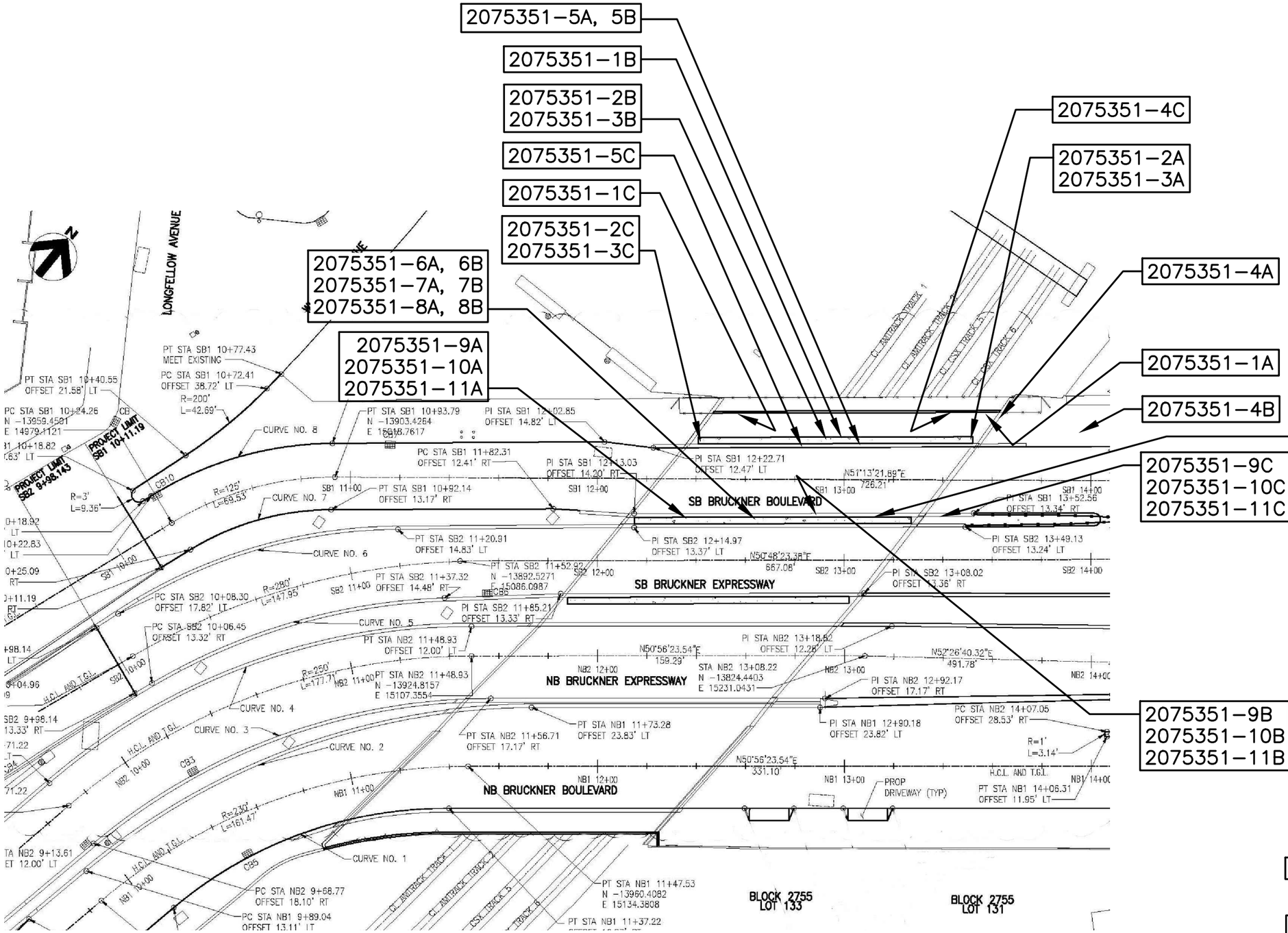
	PATH: X:\NYS DOT\18010 - Hunts Point Truck Access (Dewberry)					



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BIN #– XX — SAMPLE COLLECTED ON TOP OF STRUCTURE

BIN #– XX — SAMPLE COLLECTED BENEATH STRUCTURE

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05–22–2019	CLIENT: Dewberry®
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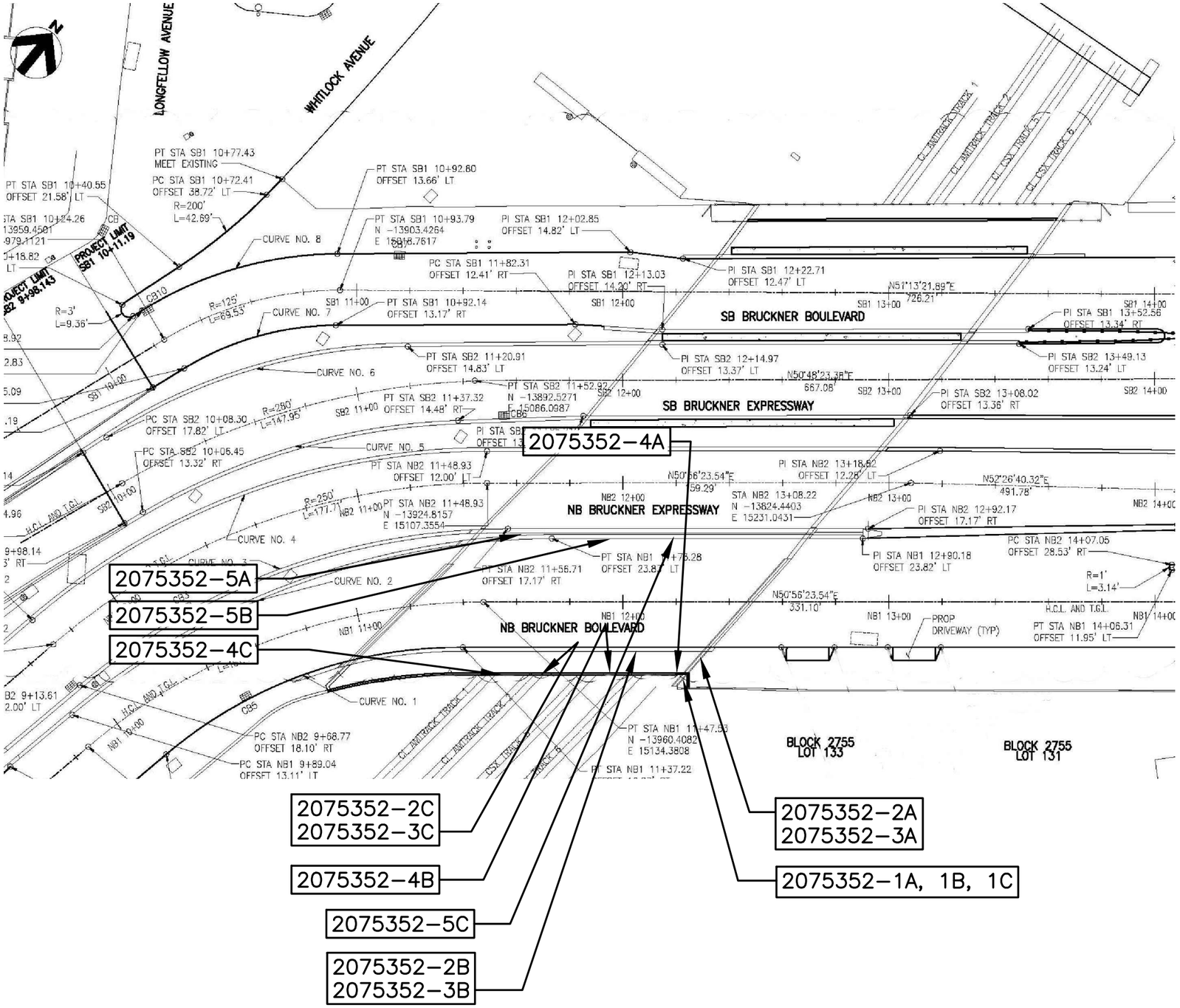
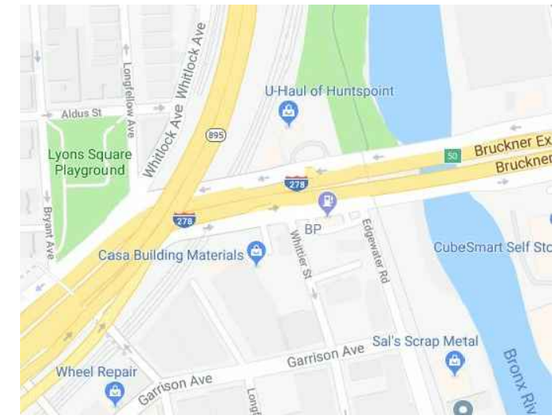
	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)		TITLE: BIN 2075351 WB Bruckner Expressway over Amtrack / CSX BRONX, NY

FIGURE: **ASB-12**

SHEET #12 OF 21





KEYPLAN
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LEGEND

BIN #- XX — SAMPLE COLLECTED ON TOP OF STRUCTURE

BIN #- XX — SAMPLE COLLECTED BENEATH STRUCTURE

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05-22-2019	CLIENT: Dewberry®
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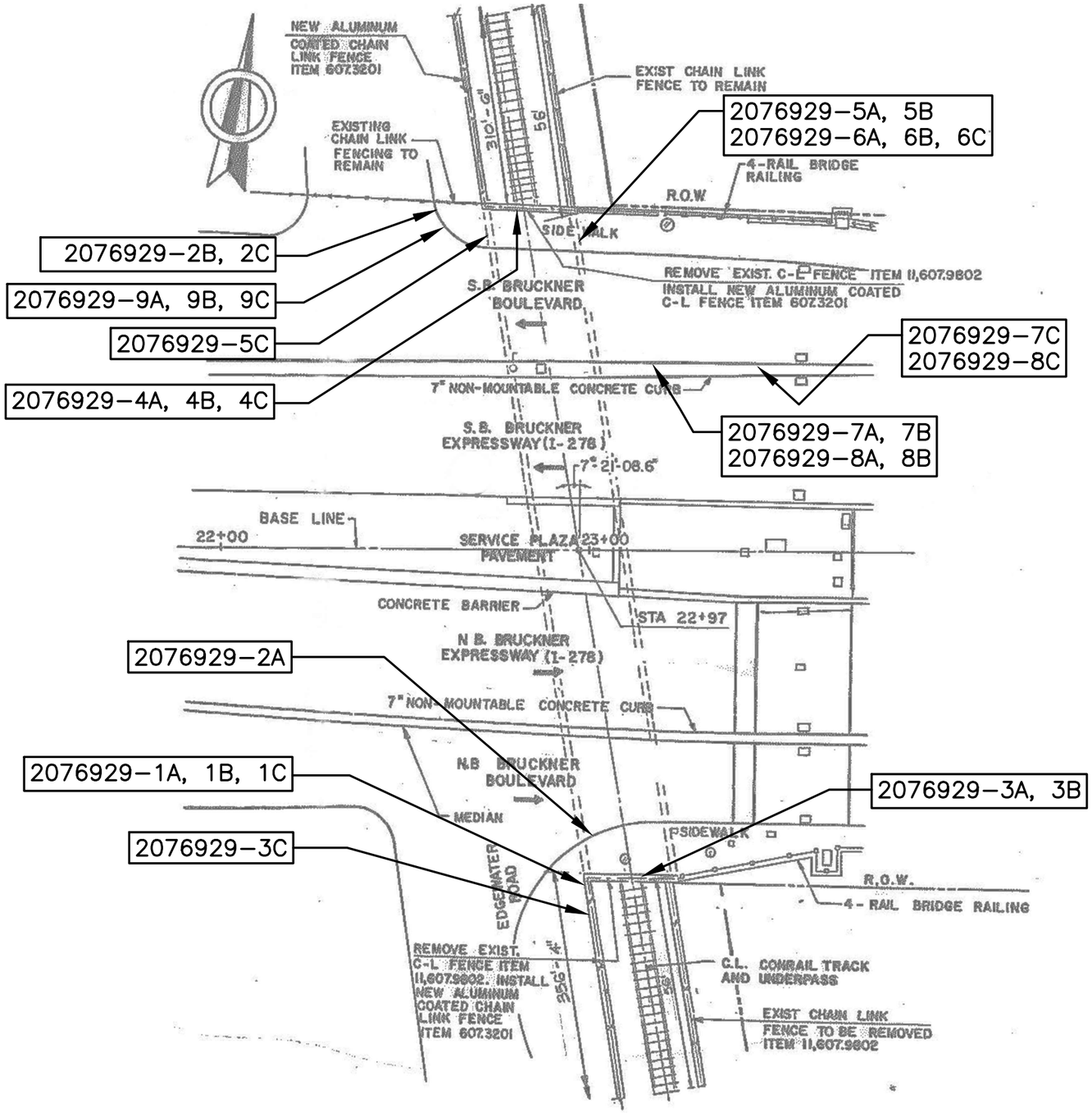
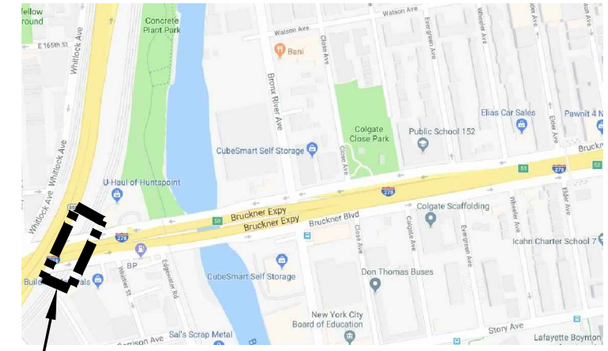
	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 - Hunts Point Truck Access (Dewberry)		TITLE: BIN 2075352 EB Bruckner Expressway over Amtrack / CSX BRONX, NY

FIGURE: **ASB-13**

SHEET #13 OF 21





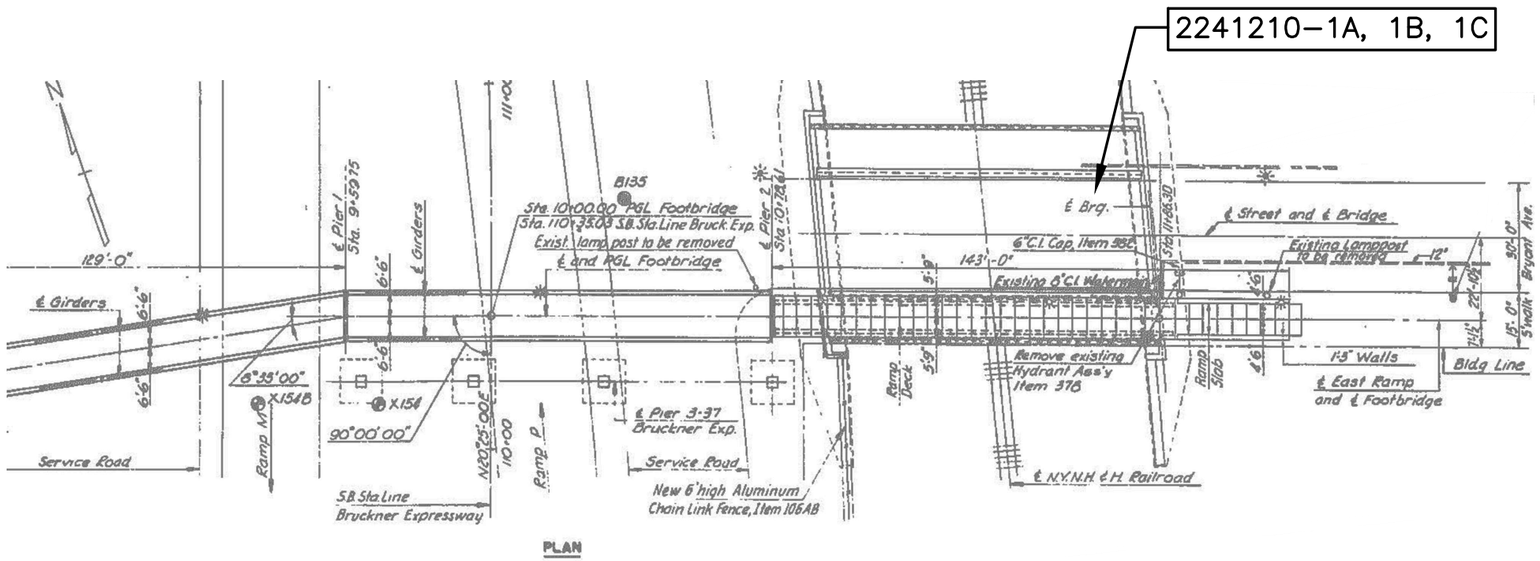
KEYPLAN
NOT TO SCALE

LEGEND

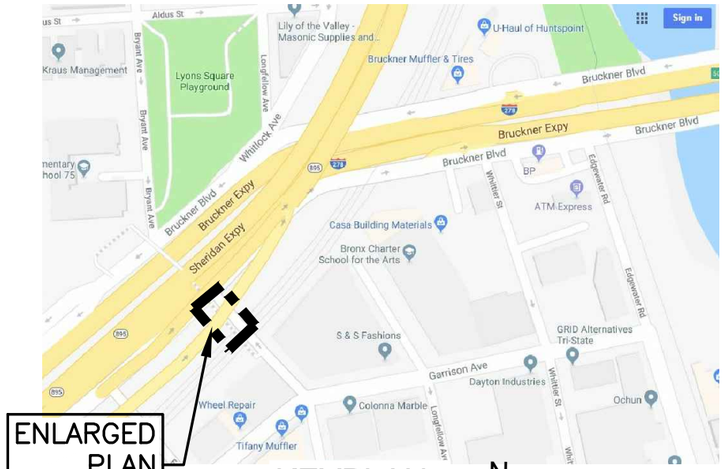
BIN #– XX — SAMPLE COLLECTED ON TOP OF STRUCTURE

BIN #– XX — SAMPLE COLLECTED BENEATH STRUCTURE

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05–22–2019	CLIENT: Dewberry®	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	CHECKED BY: GU	FILENAME: 18010_ASB DWGS			TITLE: BIN 2076929 Bruckner Expressway over CSX BRONX, NY
	APPR'VD BY: SG	SCALE: NOT TO SCALE			FIGURE: ASB-14
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)				SHEET #14 OF 21



PLAN



KEYPLAN
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LEGEND

BIN #– XX — SAMPLE COLLECTED ON TOP OF STRUCTURE

BIN #– XX — SAMPLE COLLECTED BENEATH STRUCTURE

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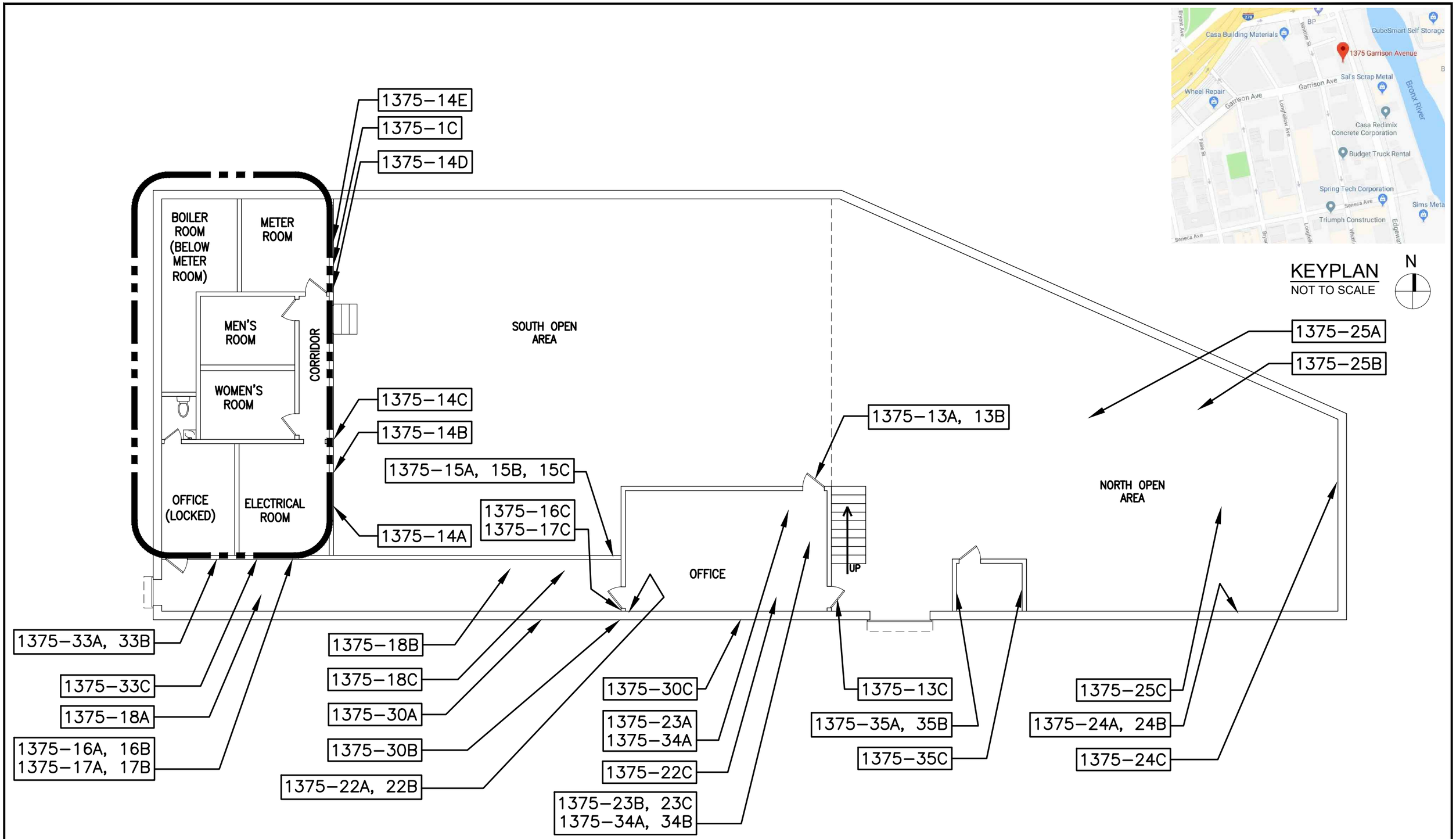
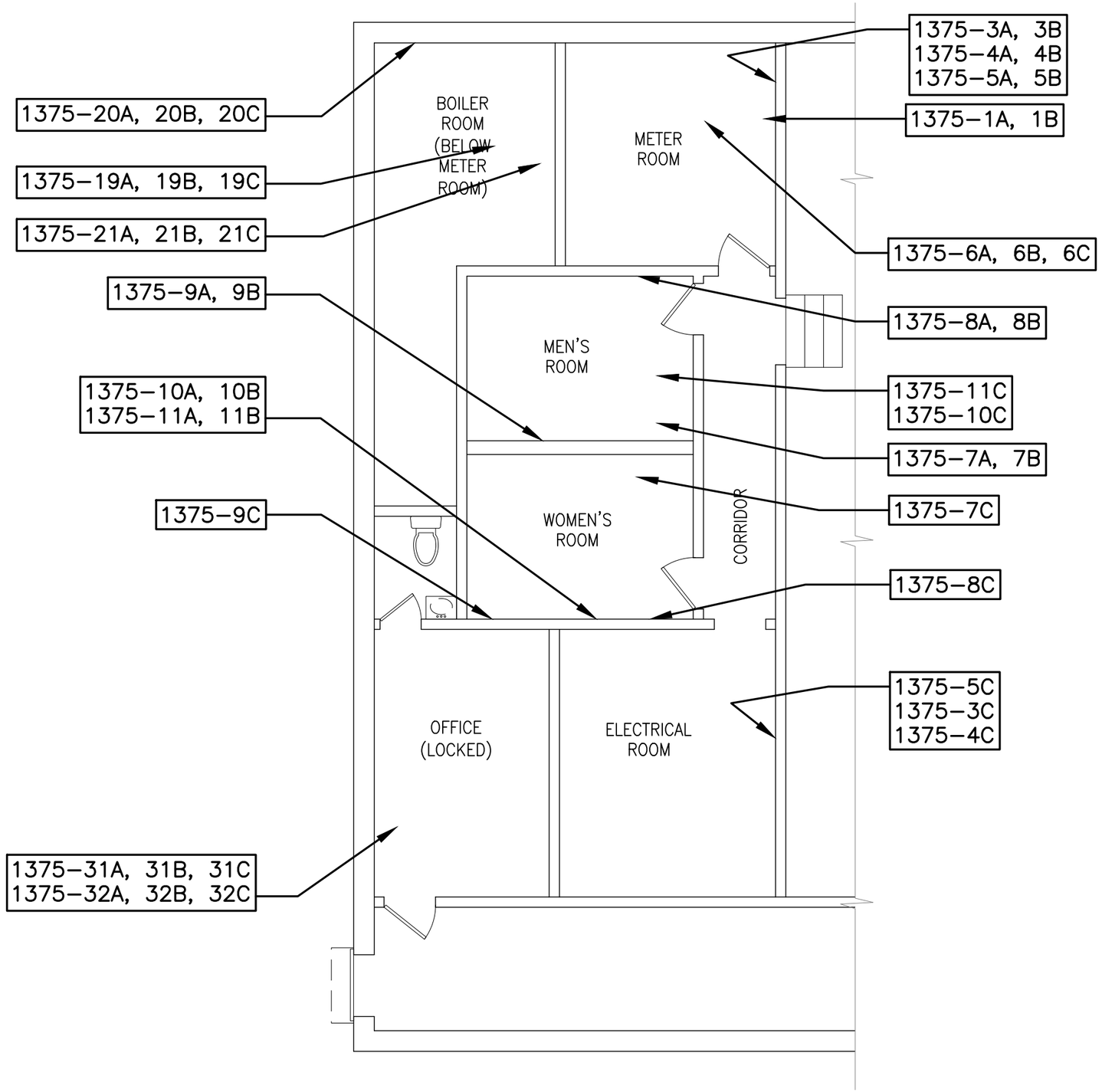
	CHECKED BY: GU	FILENAME: 18010_ASB DWGS	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY
	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)		TITLE: BIN 2241210 Bryant Avenue Bridge (over CSX) BRONX, NY

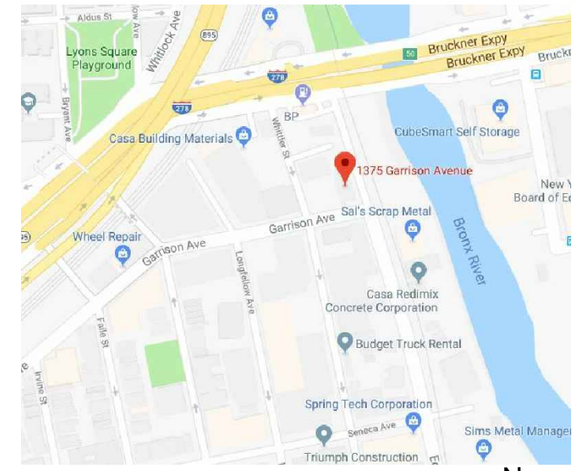
FIGURE: **ASB-15**

SHEET #15 OF 21



EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05-22-2019	CLIENT: Dewberry®	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	CHECKED BY: GU	FILENAME: 18010_ASB DWGS			TITLE: 1375 GARRISON AVE. - GROUND FLOOR Block 2759, Lot 20 BRONX, NY
	APPR'VD BY: SG	SCALE: NOT TO SCALE			FIGURE: ASB-16
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)				SHEET # 16 OF 21





KEYPLAN
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EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05–22–2019	CLIENT: Dewberry®
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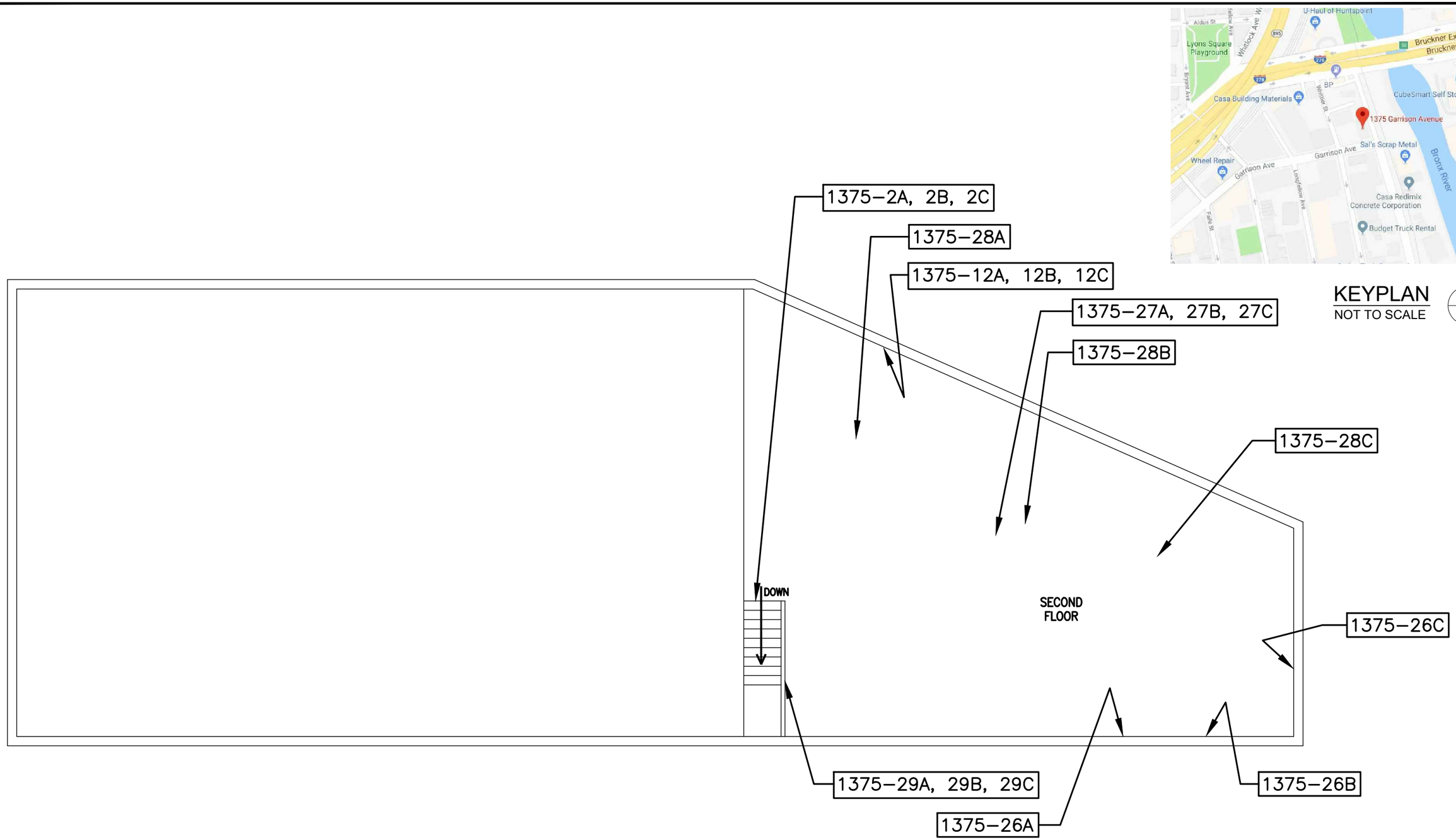
	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)		TITLE: 1375 GARRISON AVE. GROUND FLOOR - Enlarged Plan Block 2759, Lot 20 - BRONX, NY

FIGURE: **ASB-17**

SHEET #17 OF 21



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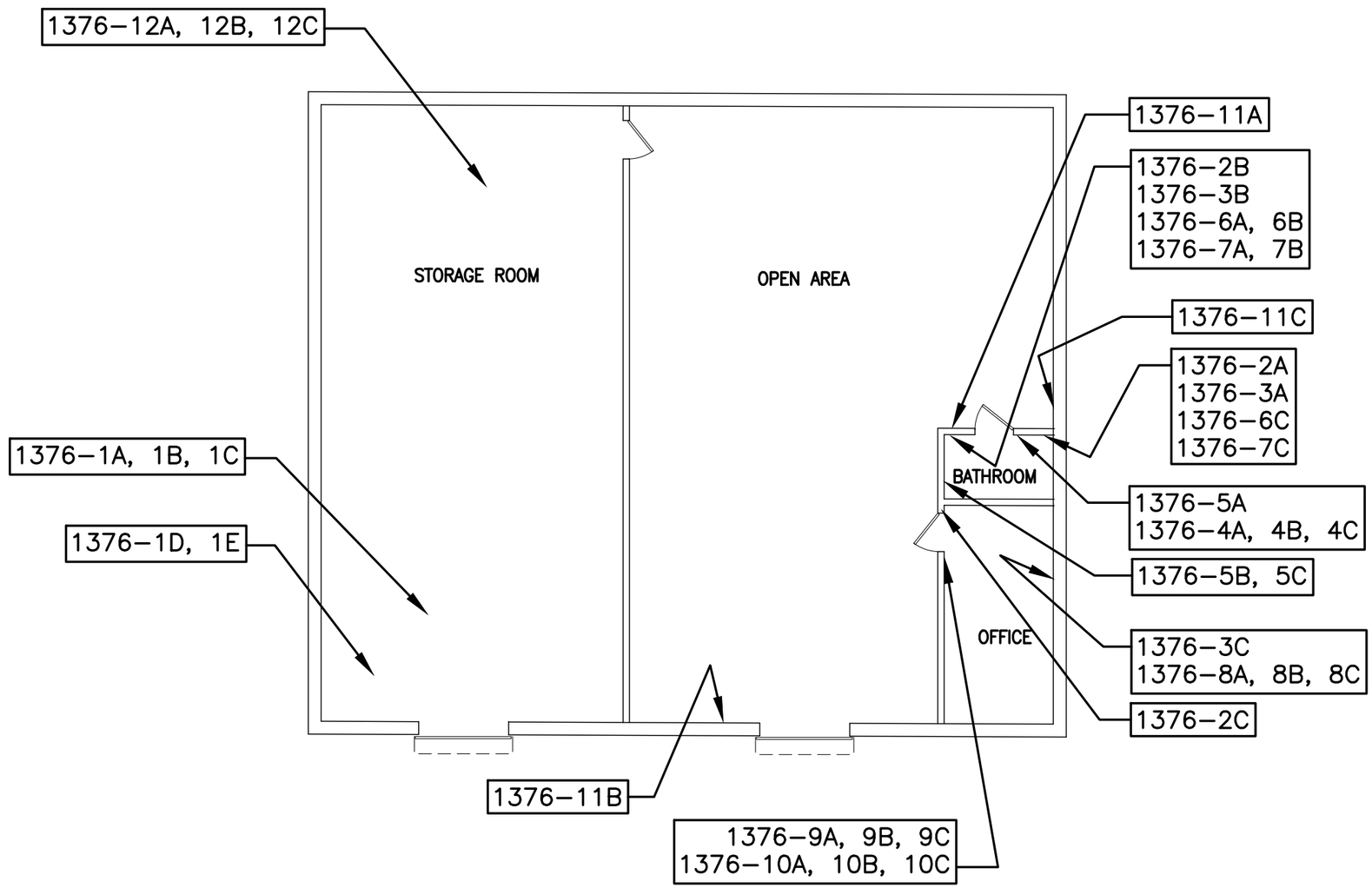
	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)		TITLE: 1375 GARRISON AVE. - SECOND FLOOR Block 2759, Lot 20 BRONX, NY
			FIGURE: **ASB-18** SHEET # 18 OF 21



KEYPLAN
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	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)		TITLE: 1376 GARRISON AVE. - Food Market Block 2761, Lot 224 BRONX, NY

FIGURE: **ASB-19**

SHEET # 19 OF 21

KEYPLAN
NOT TO SCALE

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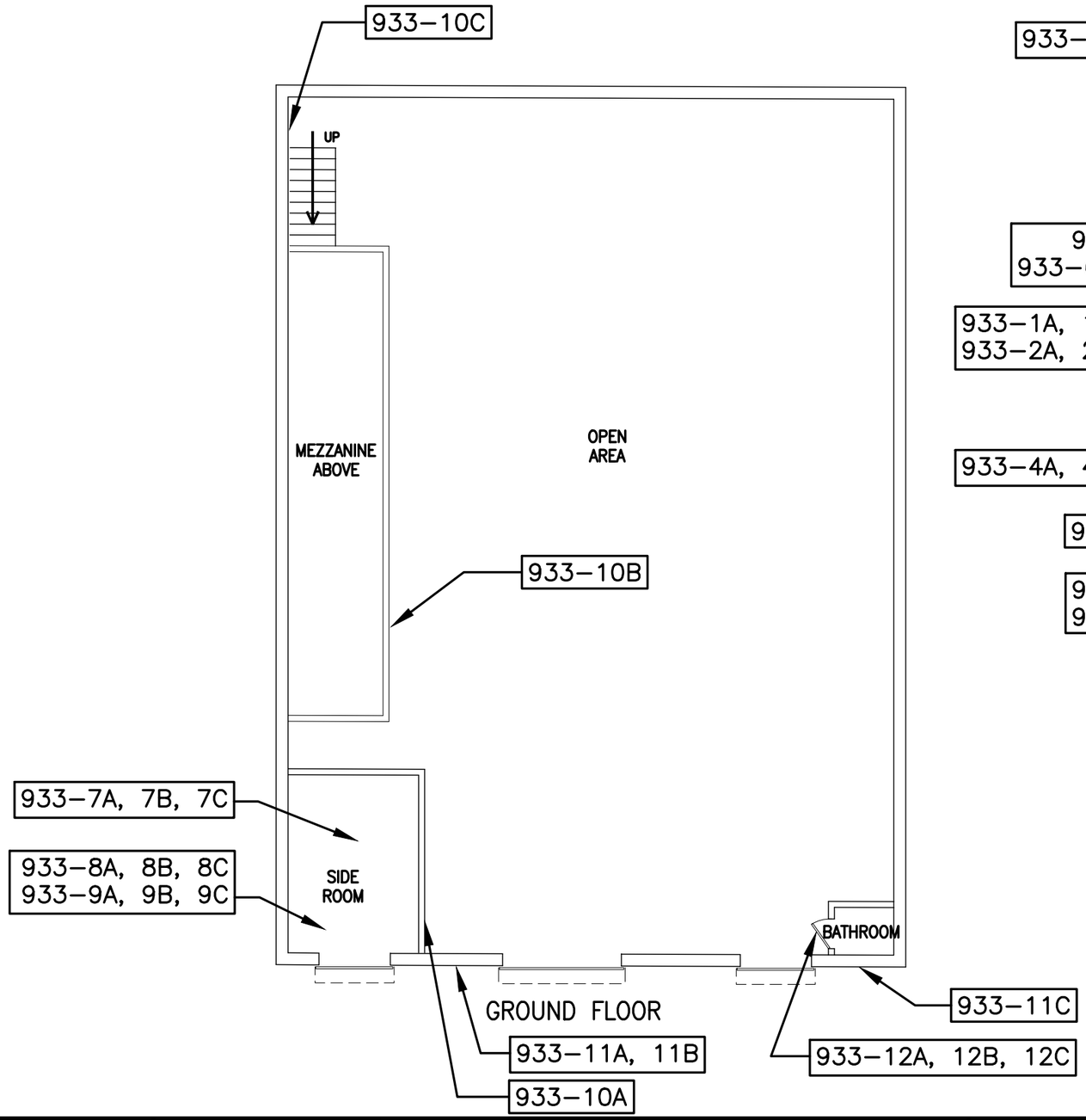
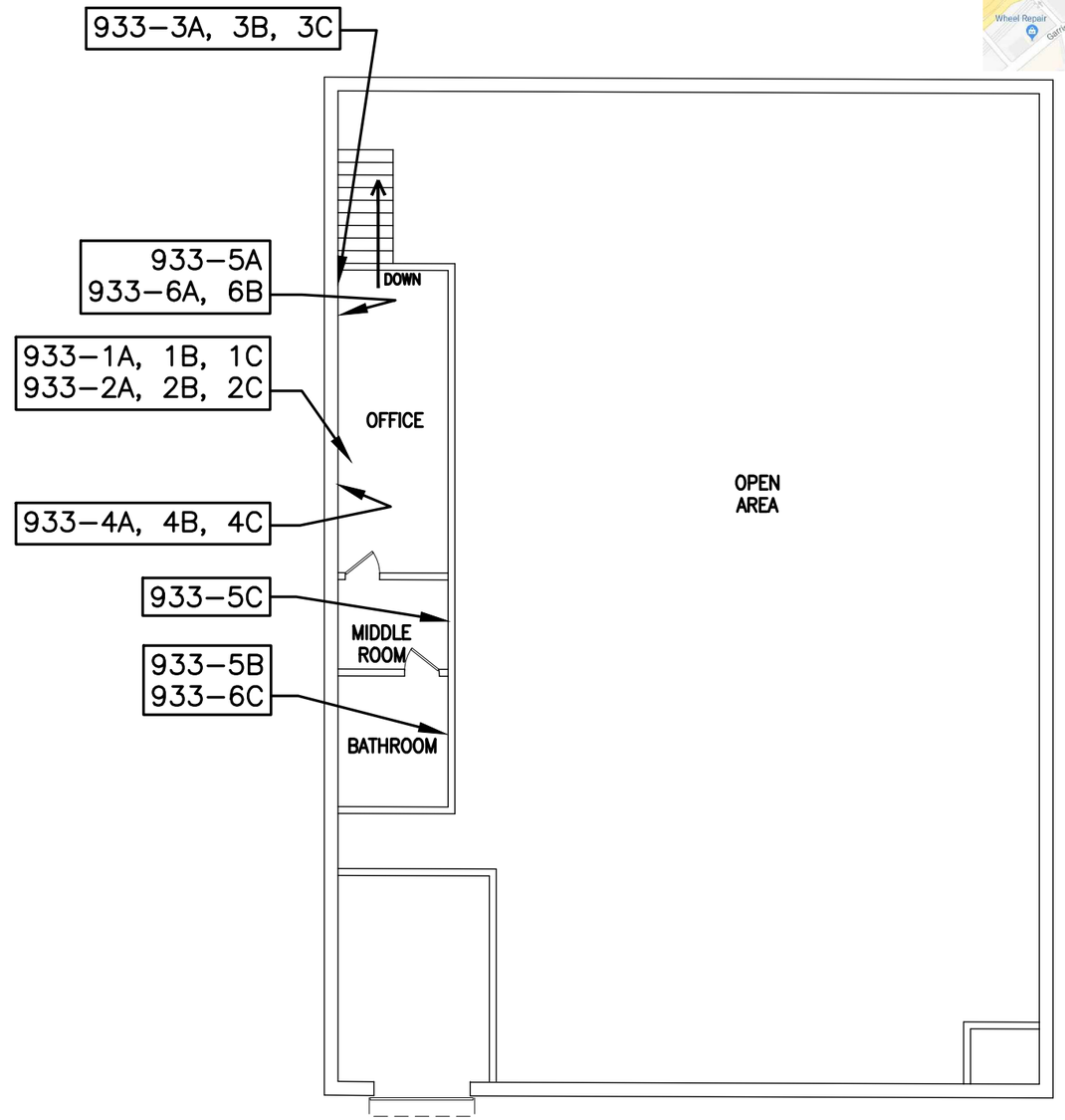


GROUND FLOOR



MEZZANINE

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05–22–2019	CLIENT: Dewberry®
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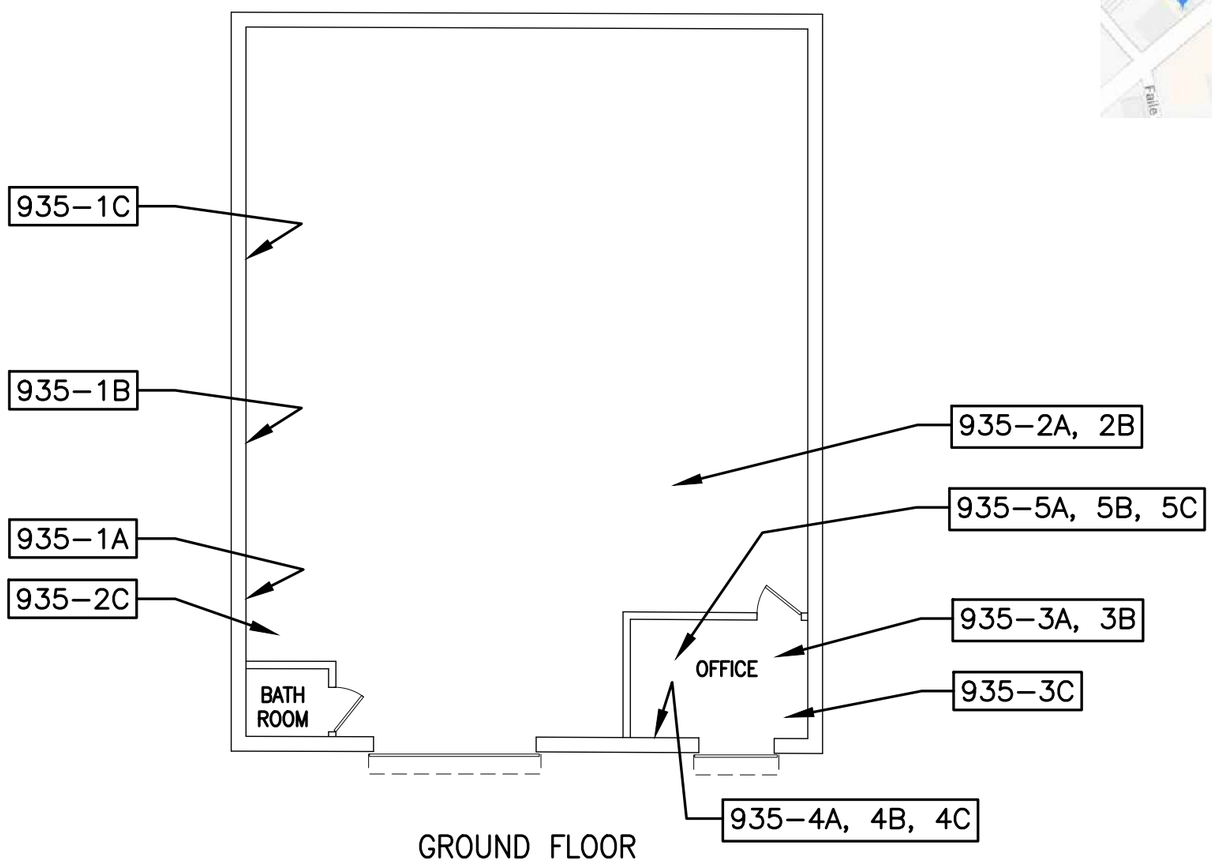
	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)		TITLE: 933 EDGEWATER RD. (Ochun Auto Repair) Block 2761, Lot 224 BRONX, NY

FIGURE: **ASB-20**

SHEET # 20 OF 21

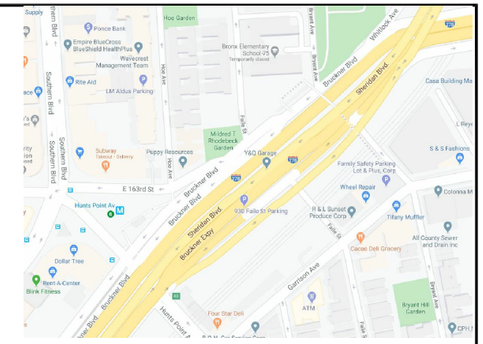
KEYPLAN
NOT TO SCALE

N



GROUND FLOOR

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: 05–22–2019	CLIENT: Dewberry®
	CHECKED BY: GU	FILENAME: 18010_ASB DWGS	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY
	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)		TITLE: 935 EDGEWATER RD. (OWNER BLDG.) Block 2761, Lot 224 BRONX, NY
			FIGURE: ASB-21 SHEET # 21 OF 21



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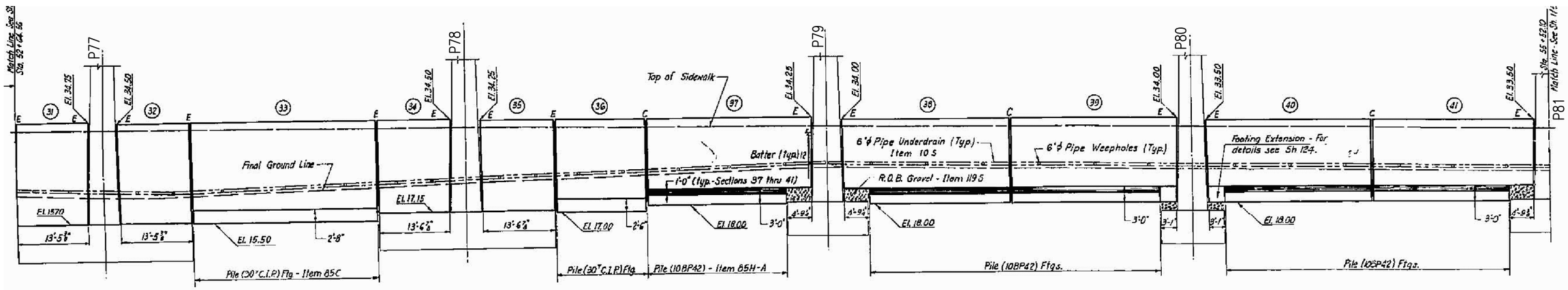
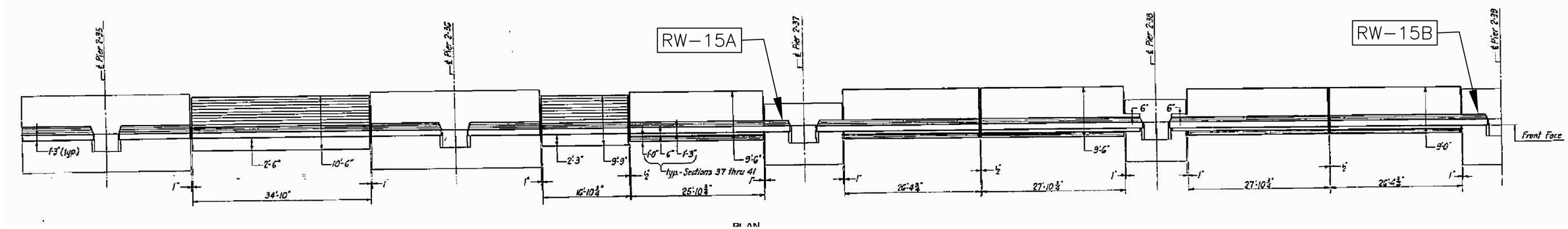
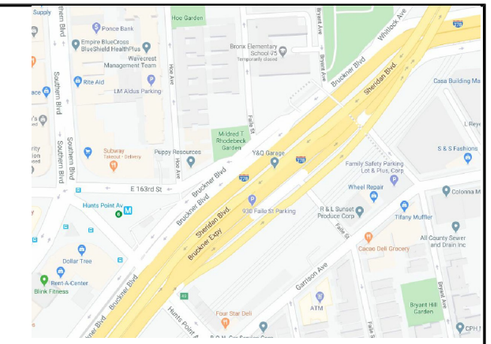


ELEVATION



PLAN

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: JUNE 2020	CLIENT: Dewberry®	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	CHECKED BY: GU	FILENAME: 18010_RetainingWall			TITLE: BRUCKNER EXPRESSWAY Retaining Walls Along R.R. BRONX, NY
	APPR'VD BY: SG	SCALE: NOT TO SCALE			FIGURE: RW-ASB-01
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)				SHEET # 01 OF 11



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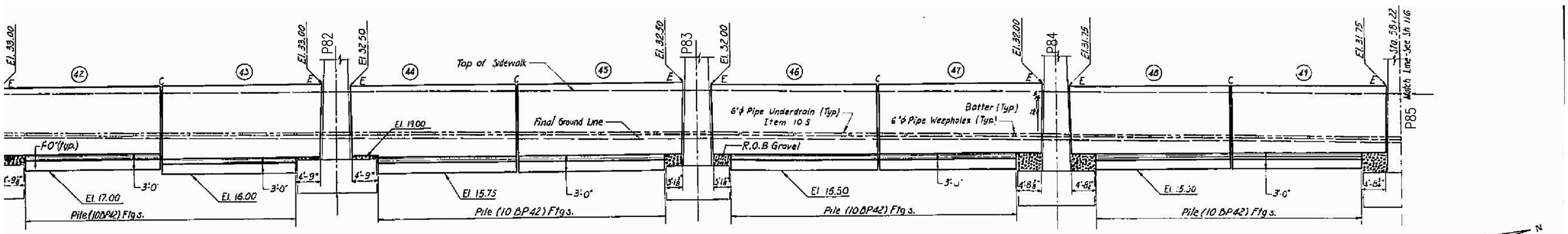

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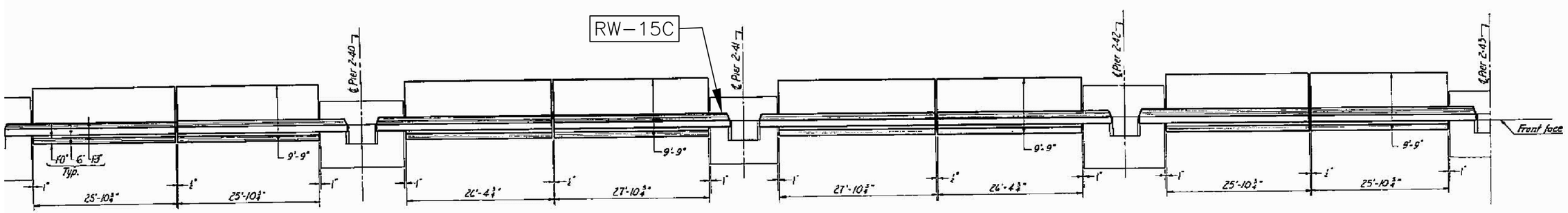

PLAN

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: JUNE 2020	CLIENT: Dewberry®	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS	FIGURE:
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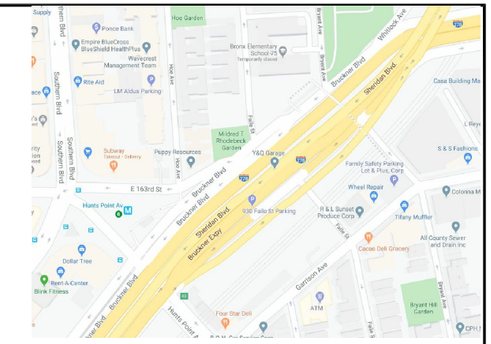

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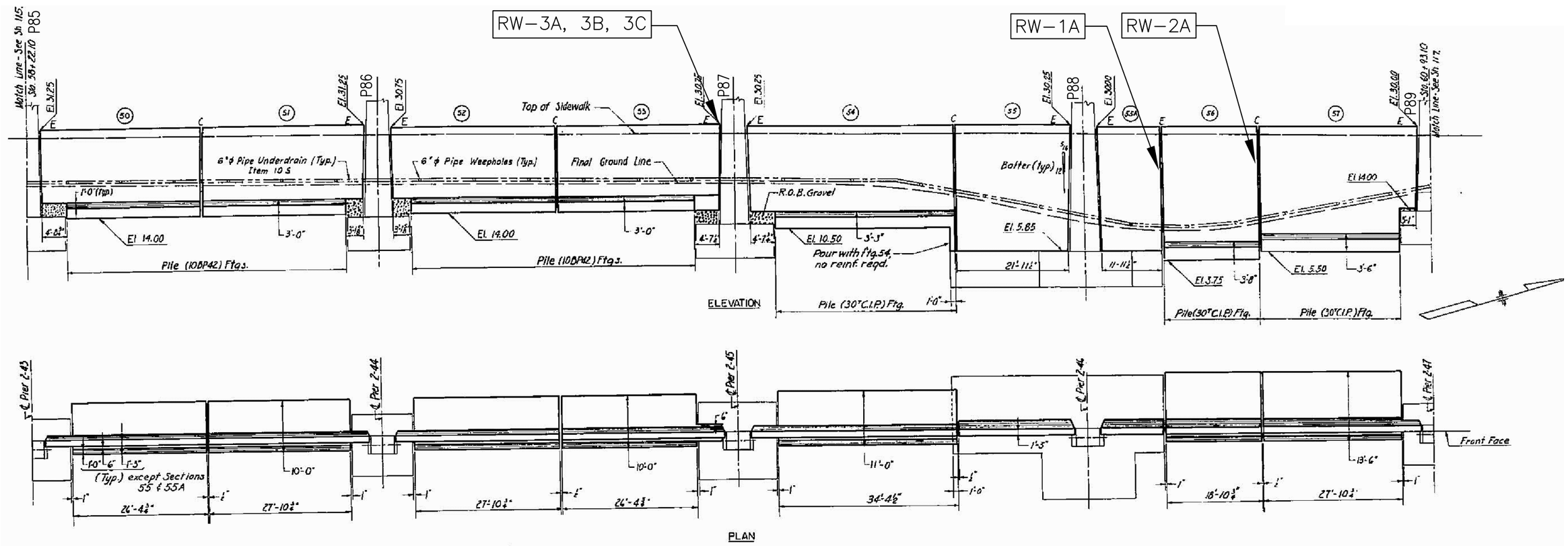

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: JUNE 2020	CLIENT: Dewberry®	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS	FIGURE:
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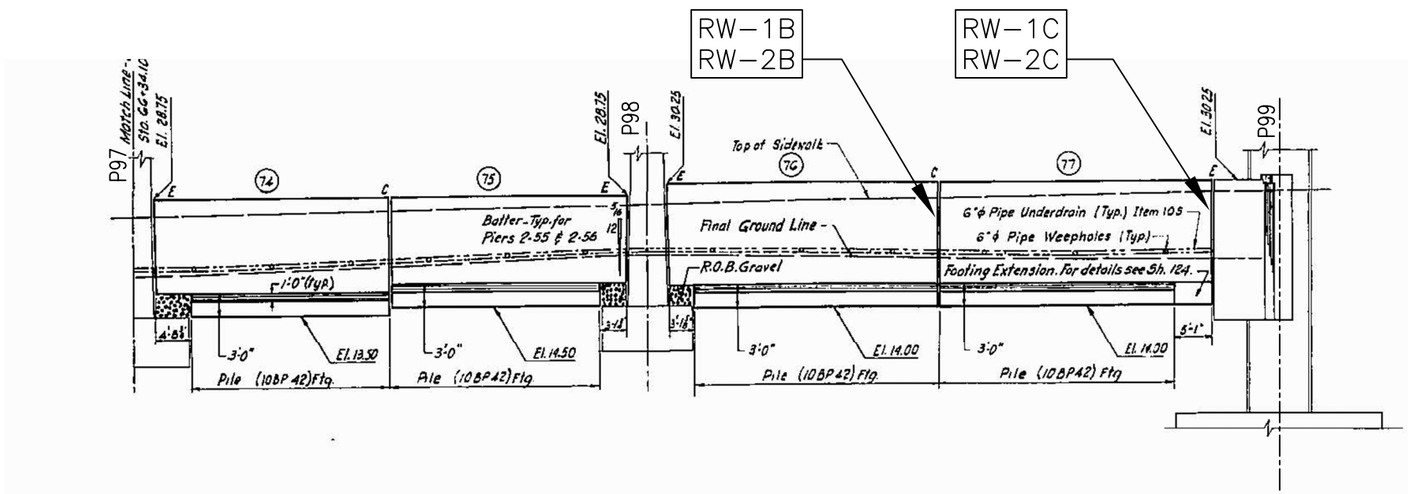

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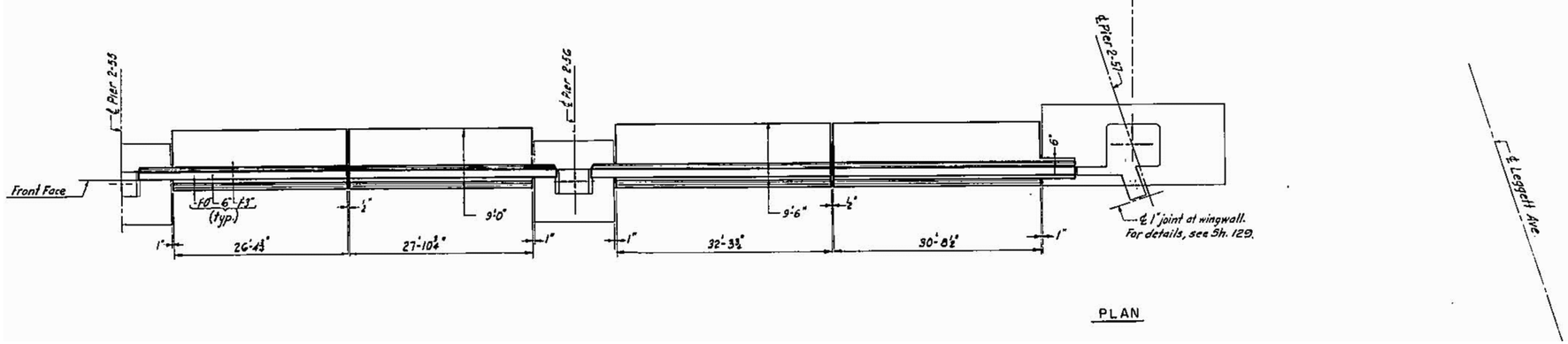
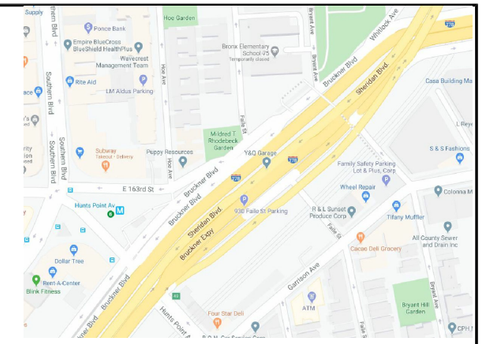


PLAN



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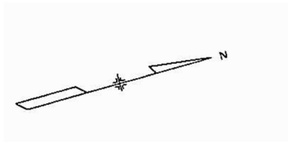

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: JUNE 2020	CLIENT: Dewberry®
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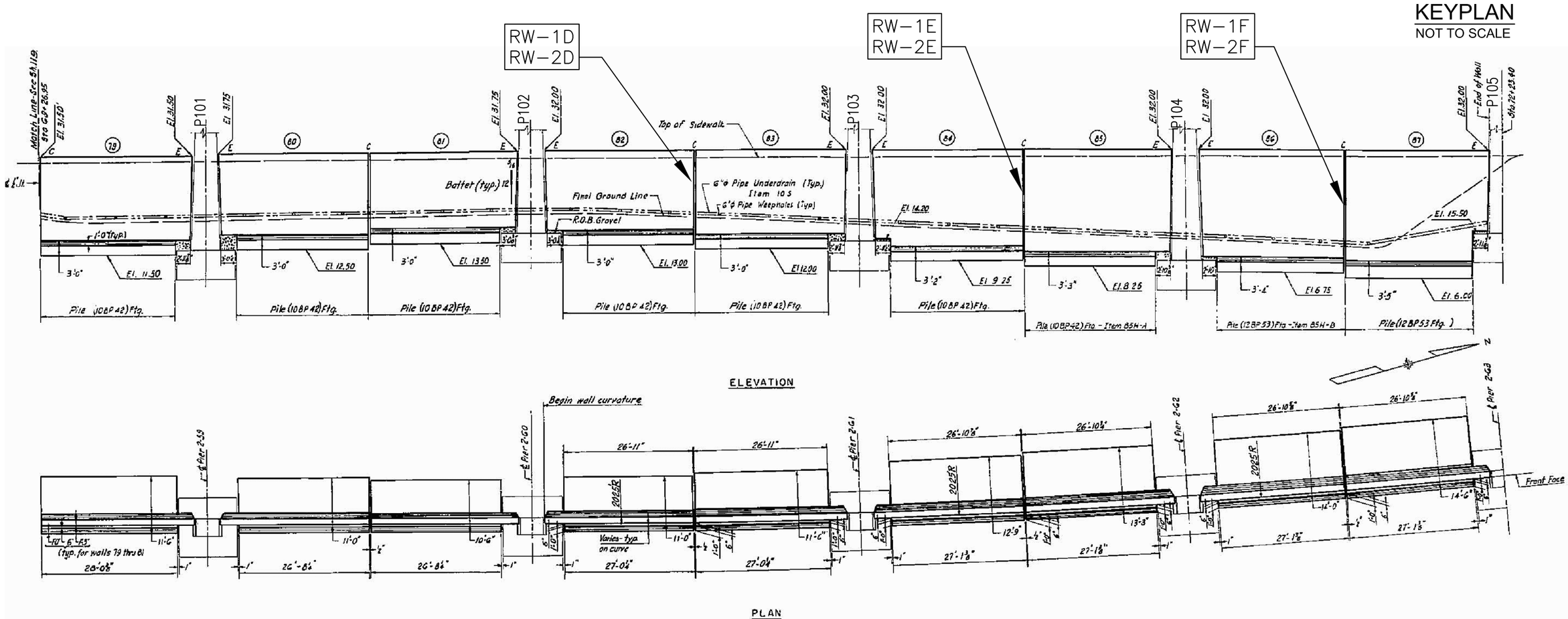
	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)		TITLE: BRUCKNER EXPRESSWAY Retaining Walls Along R.R. BRONX, NY

FIGURE: **RW-ASB-04**

SHEET #04 OF 11



EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: JUNE 2020	CLIENT: Dewberry®
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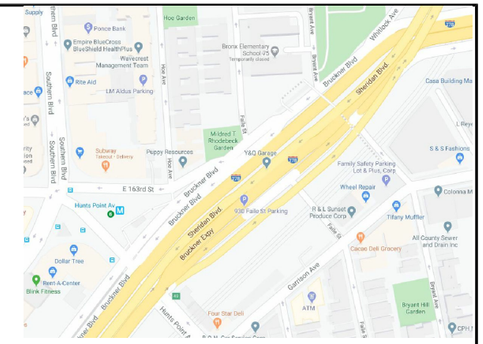
	APPR'VD BY: SG	SCALE: NOT TO SCALE	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)		TITLE: BRUCKNER EXPRESSWAY Retaining Walls Along R.R. BRONX, NY
			FIGURE: **RW-ASB-05** SHEET #05 OF 11



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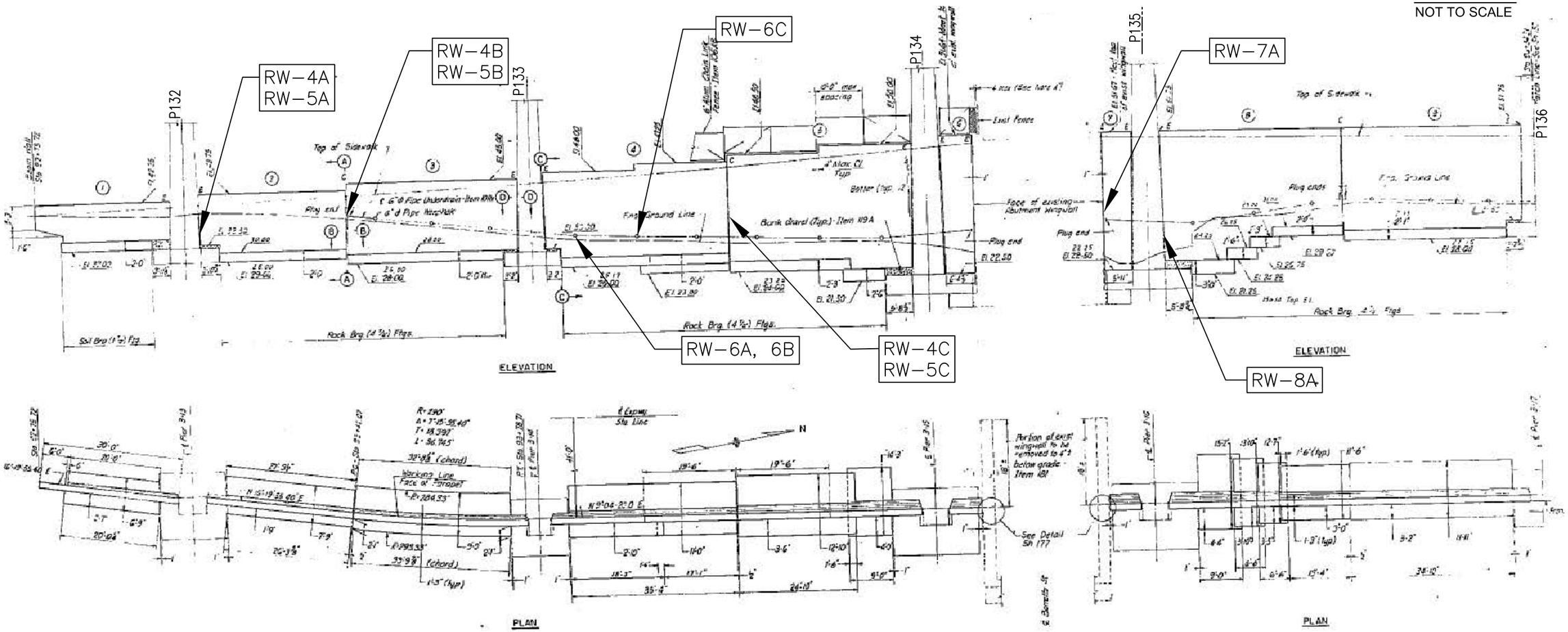
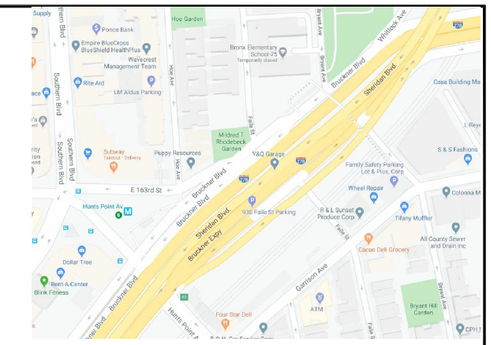


EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: JUNE 2020	CLIENT: Dewberry®	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
	CHECKED BY: GU	FILENAME: 18010_RetainingWall			TITLE: BRUCKNER EXPRESSWAY Retaining Walls Along R.R. BRONX, NY
	APPR'VD BY: SG	SCALE: NOT TO SCALE			FIGURE: RW-ASB-06
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)				SHEET #06 OF 11



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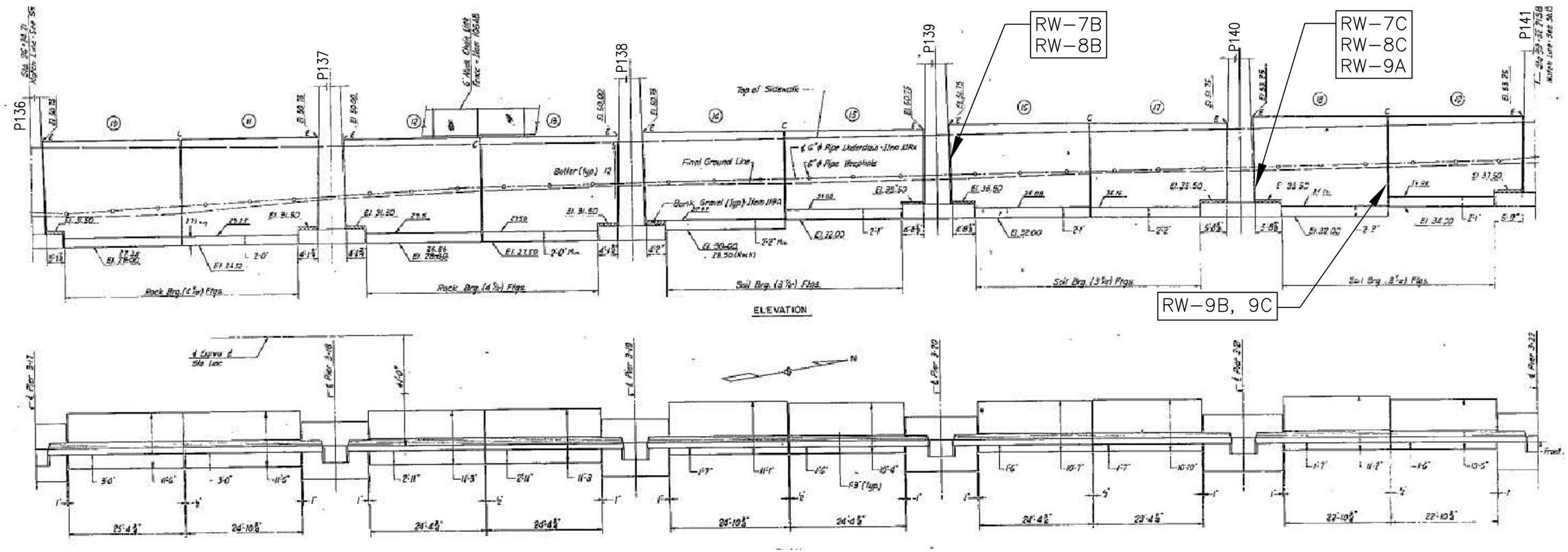

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: JUNE 2020	CLIENT: Dewberry®	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS	FIGURE:
	CHECKED BY: GU	FILENAME: 18010_RetainingWall			TITLE: BRUCKNER EXPRESSWAY Retaining Walls Along R.R. BRONX, NY	RW-ASB-07
	APPR'VD BY: SG	SCALE: NOT TO SCALE				SHEET #07 OF 11
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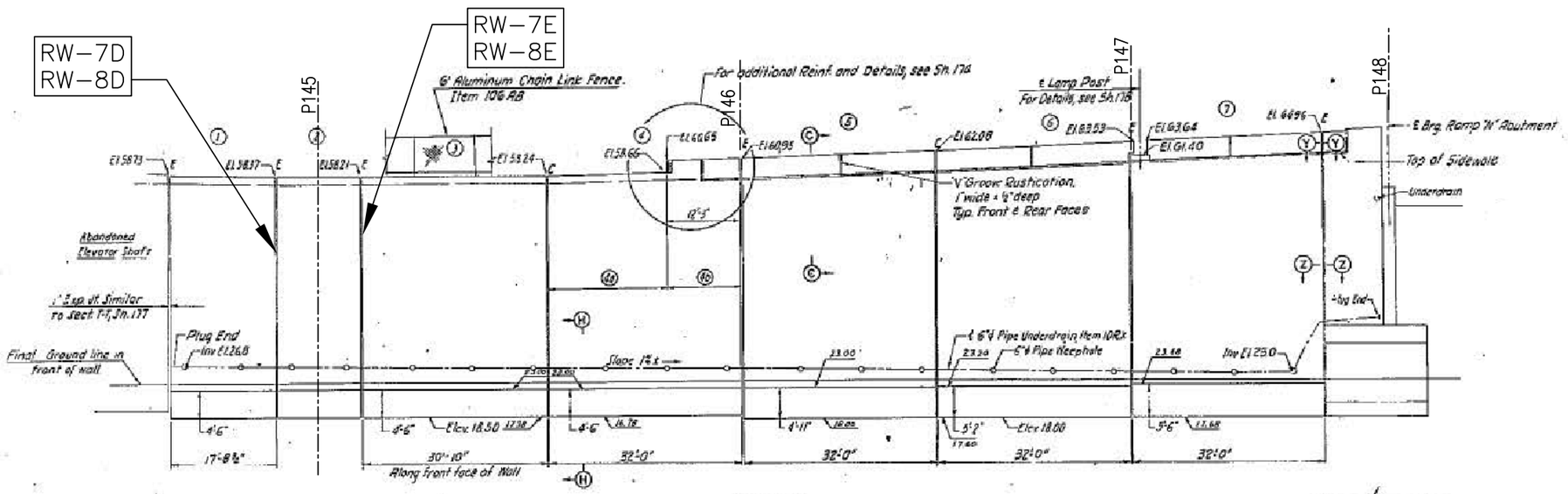

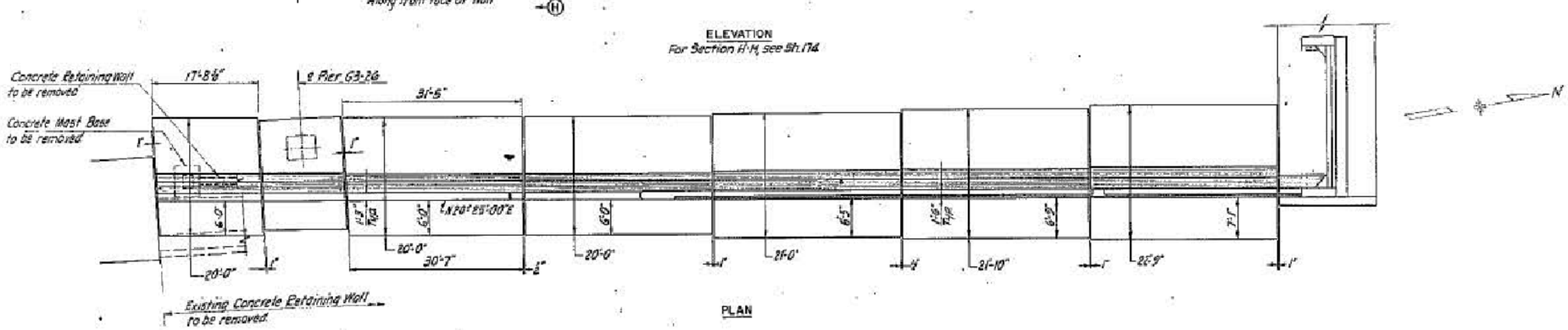

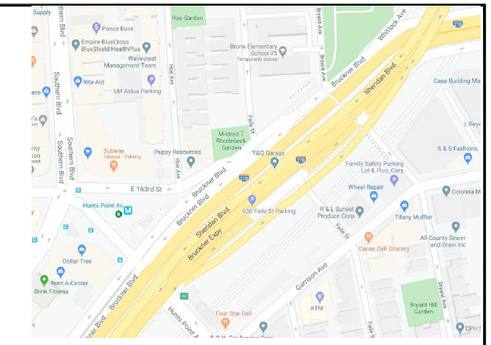

KEYPLAN
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EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: JUNE 2020	CLIENT: Dewberry®	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS	FIGURE: RW-ASB-08
	CHECKED BY: GU	FILENAME: 18010_RetainingWall			TITLE: BRUCKNER EXPRESSWAY Retaining Walls Along R.R. BRONX, NY	SHEET #08 OF 11
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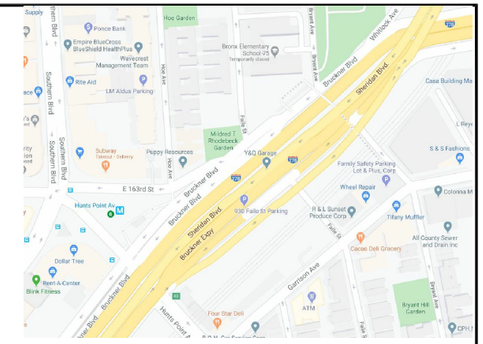

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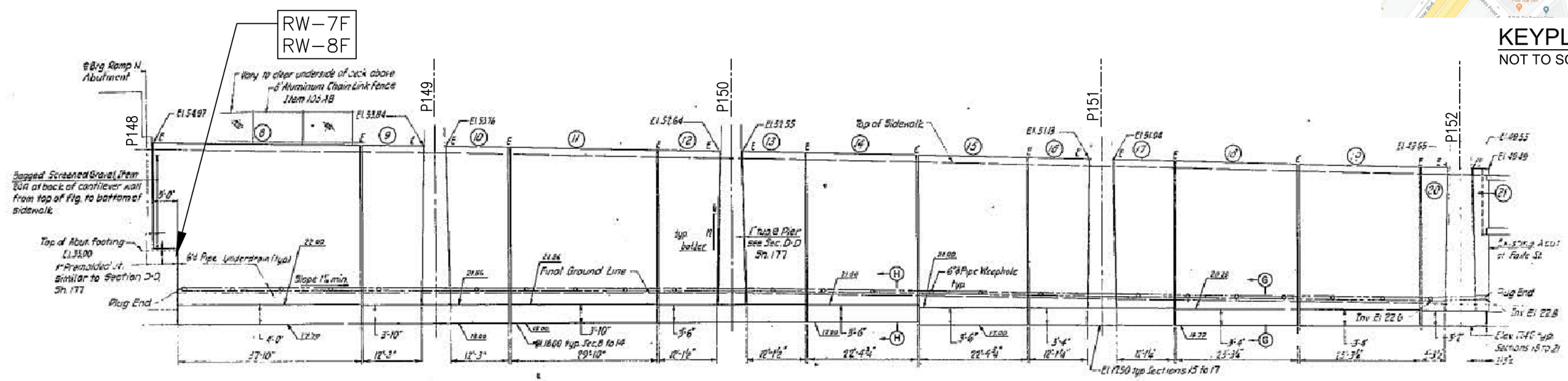

ELEVATION
For Sections G-G & H-H see Sh 17d

PLAN

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: JUNE 2020	CLIENT: Dewberry®	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
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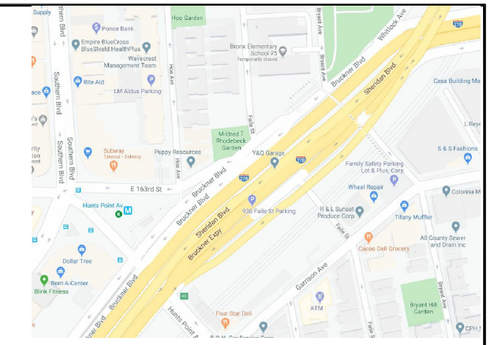

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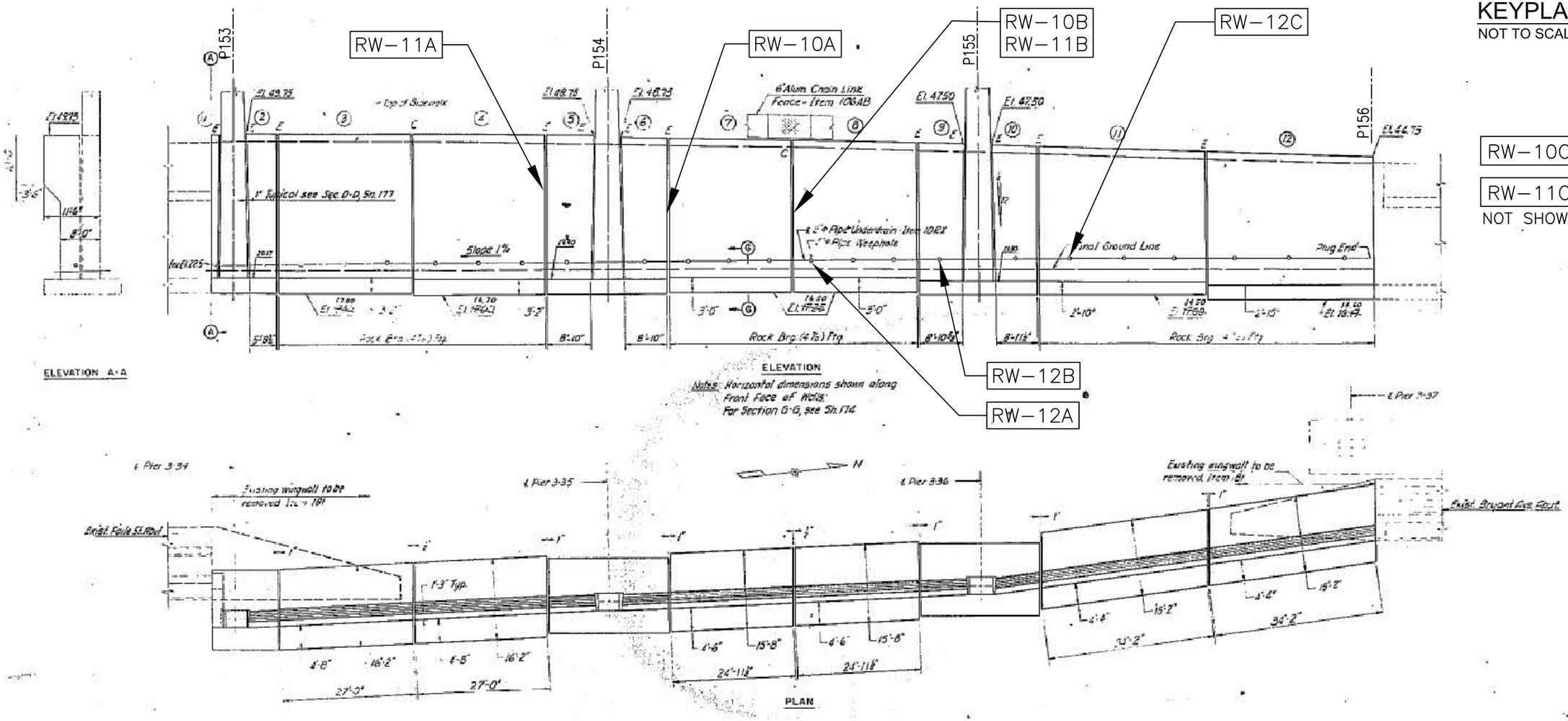

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: JUNE 2020	CLIENT: Dewberry®	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
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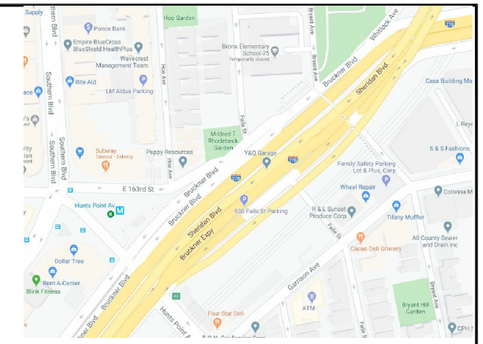

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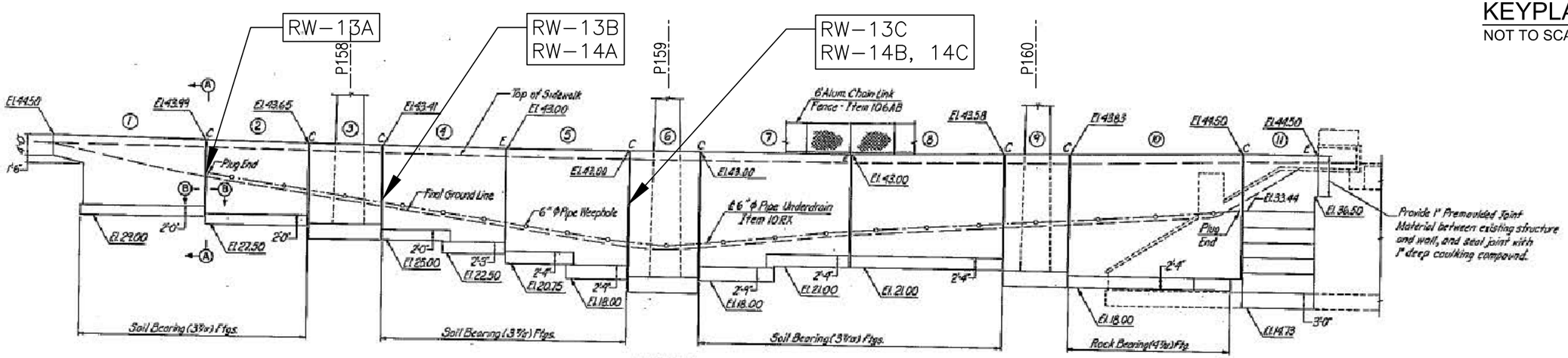

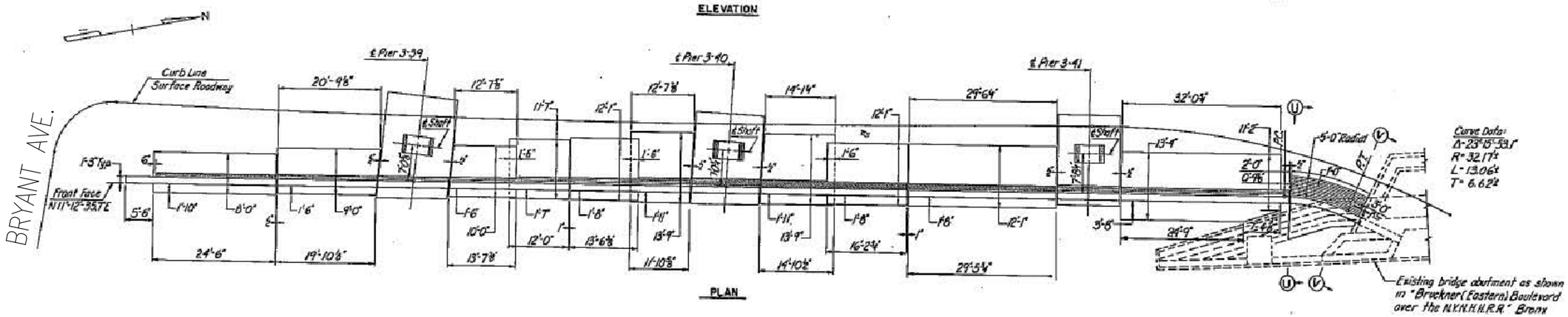

EPM Environmental Planning & Management, Inc. www.epmco.com	DRAWN BY: MH/AR	DATE: JUNE 2020	CLIENT: Dewberry®	PROJECT NAME: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT BRONX, NY	FIGURE NAME: ASBESTOS BULK SAMPLE LOCATION SCHEMATICS
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	APPR'VD BY: SG	SCALE: NOT TO SCALE			FIGURE: RW-ASB-11
	PATH: X:\NYS DOT\18010 – Hunts Point Truck Access (Dewberry)				SHEET # 11 OF 11

APPENDIX C

Photographs of Identified Asbestos Containing Materials

Environmental Planning & Management, Inc.
www.epmco.com

Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT – RAMP RE (BIN 106666E)

DATE: 2019

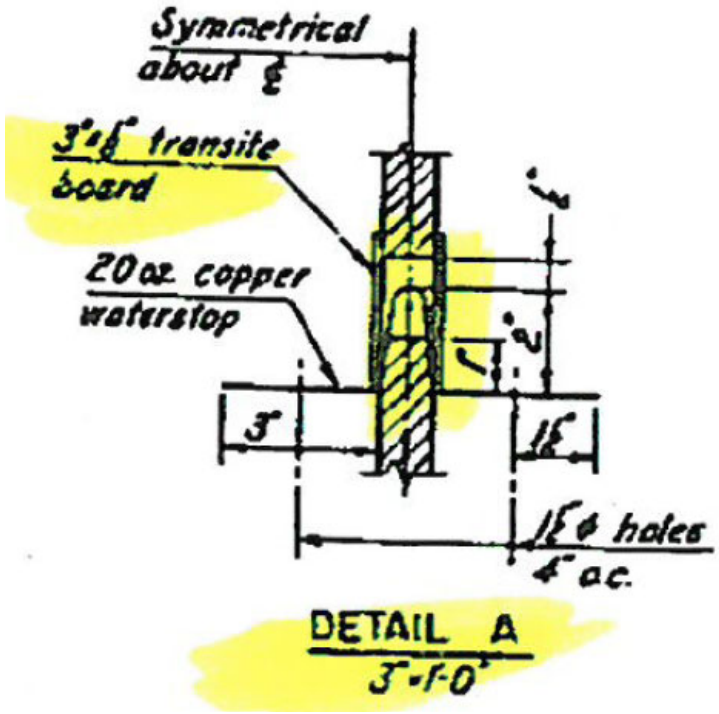

	Photo No. 1		**Photo No. 2**
Location: Within joints of south facing retaining wall **Sample Group #:** 106666E-1 **Description:** Asbestos Containing Off-White Brittle Caulk		**Location:** Within joints of the ramp retaining walls (as per record plans) **Sample Group #:** N/A **Description:** Asbestos Containing Transite Boards (three inches by 1/8 inch)	

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT – RAMP RE (BIN 106666E)

DATE: 2019

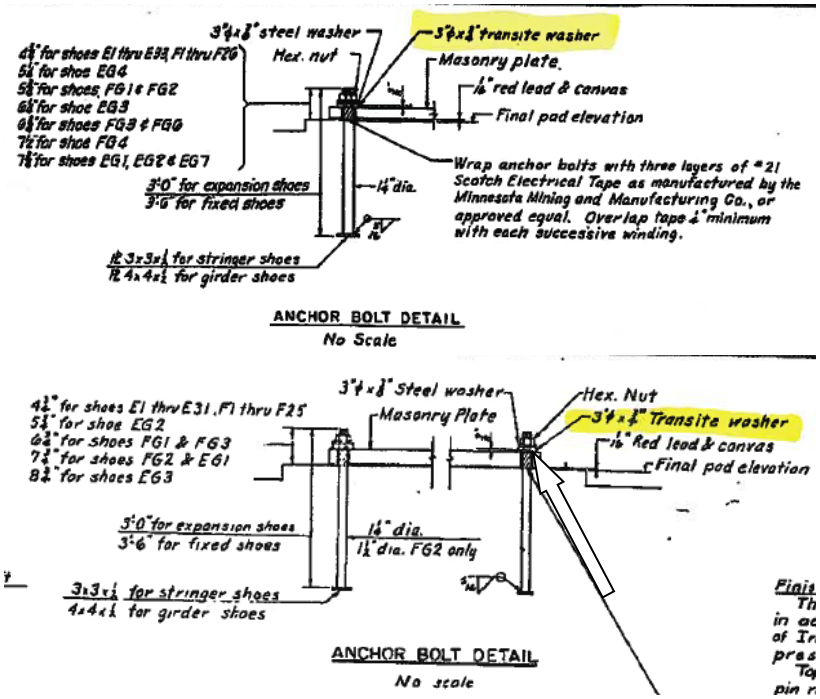

	Photo No. 3		Photo No. 4
Location: At the anchor bolts of the abutment and piers (as per record plans) **Sample Group #:** N/A **Description:** Asbestos Transite Washers		**Location:** Around railing base plates (only present at approach to ramp at old railings) **Sample Group #:** 106666-7 **Description:** Asbestos Containing Railing Base Caulk	

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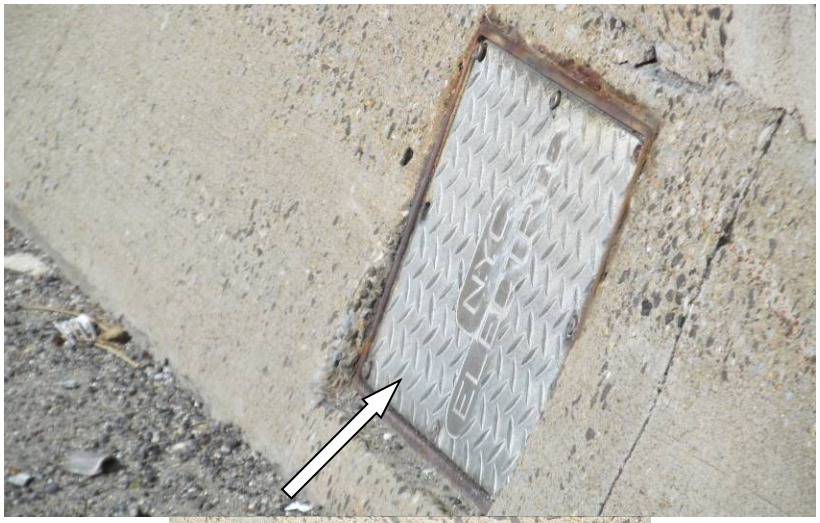
Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - RAMP RE (BIN 106666E)

DATE: 2019



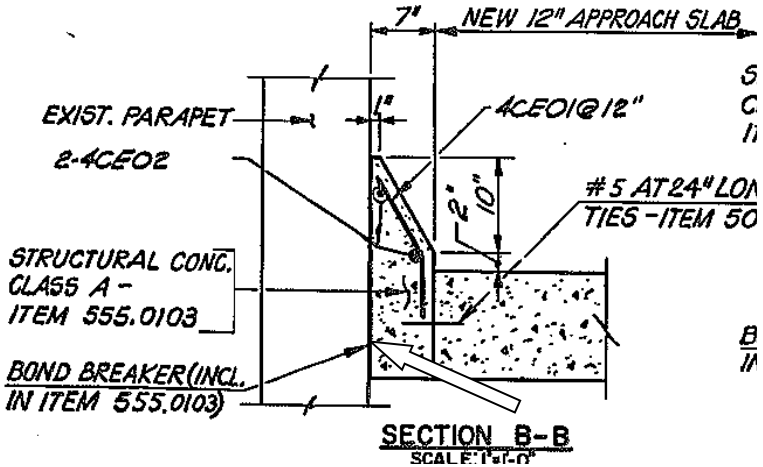


	Photo No. 5		Photo No. 6
Location: Electrical Pull Boxes within ramp barrier wall (NYCE (2) and NYC Electrical (3)) **Sample Group #:** N/A **Description:** Potentially Assumed Asbestos Containing Duct Seal present		**Location:** Base of parapet running along the length of the ramp (both sides) beneath concrete (as per record plans) **Sample Group #:** N/A **Description:** Assumed Asbestos Containing Joint Filler/Bond Breaker	

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT – RAMP M (BIN 106666F)

DATE: 2019

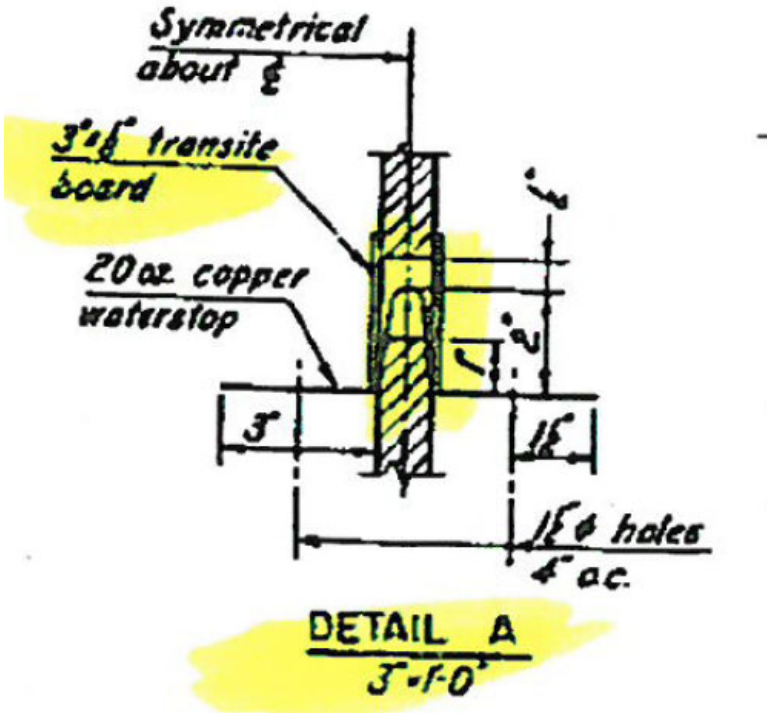

	Photo No. 7		**Photo No. 8**
Location: At retaining wall drain (typical) **Sample Group #:** 106666F-3 **Description:** Asbestos Black Joint Filler		**Location:** Within joints of the retaining walls (as per record plans) **Sample Group #:** N/A **Description:** Asbestos Containing Transite Boards (three inches by 1/8 inch)	

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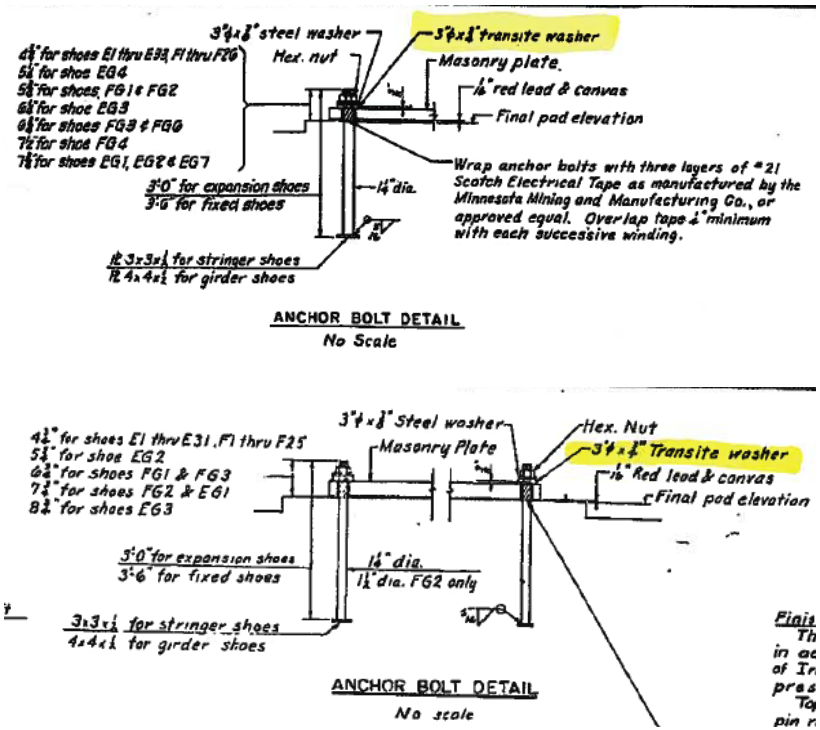
Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT – RAMP M (BIN 106666F)

DATE: 2019



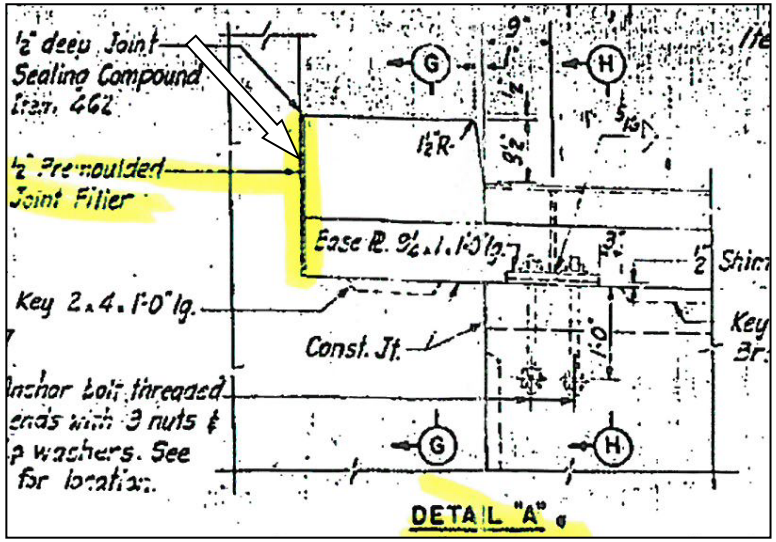


Photo No. 9

Location: At the anchor bolts of the abutment and piers (as per record plans)
Sample Group #: N/A
Description: Asbestos Transite Washers

Photo No. 10

Location: Base of parapet running along the length of the ramp (both sides) beneath concrete (as per record plans)
Sample Group #: N/A
Description: Assumed Asbestos Containing Joint Filler

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - RAMP M (BIN 106666F)

DATE: 2019

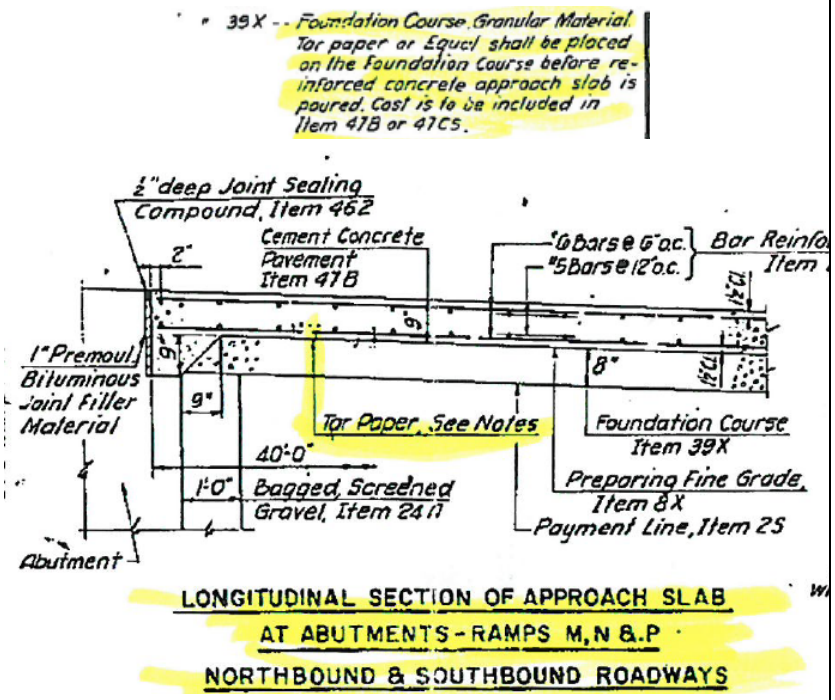

Photo No. 11

Location: Within approach slab to abutment (as per record plans)
Sample Group #: N/A
Description: Assumed Asbestos Containing Tar Paper

Photo No. 12

Location: Electrical Pull Boxes within ramp barrier wall (NYC Electrical (3))
Sample Group #: N/A
Description: Potentially Assumed Asbestos Containing Duct Seal present

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BIN 106666G: Ramp P

DATE: 2019

Photo No. 13

Location: Within joints of north side retaining wall (present within 3 joints total)
Sample Group #: 106666G-7
Description: Asbestos Containing Gray Brittle Caulk

Photo No. 14

Location: At north side of retaining wall drains (8 drains)
Sample Group #: 106666G-8
Description: Asbestos Containing Black Joint Filler Material

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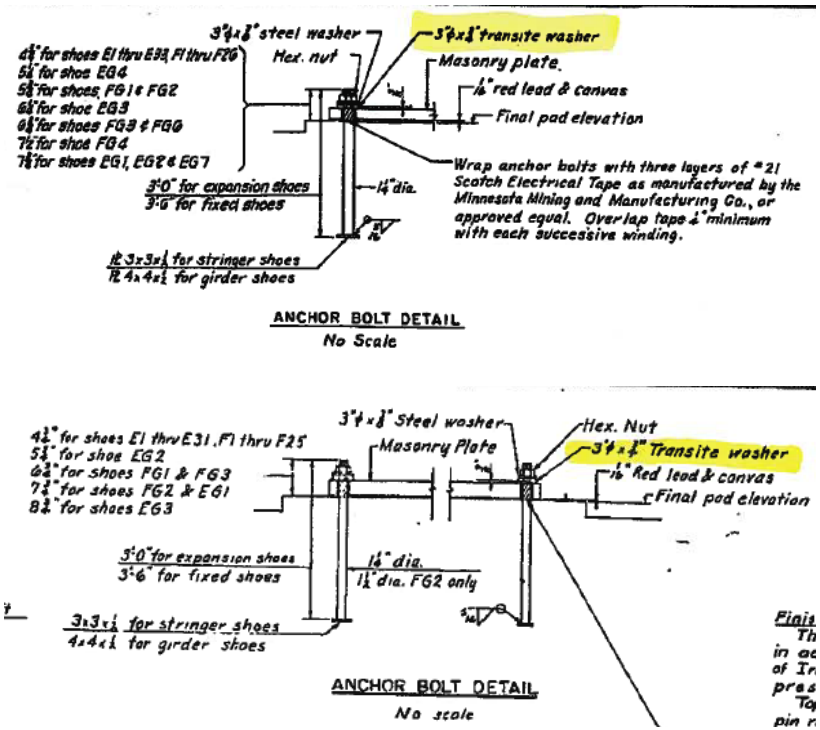
Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT – BIN 106666G: Ramp P

DATE: 2019



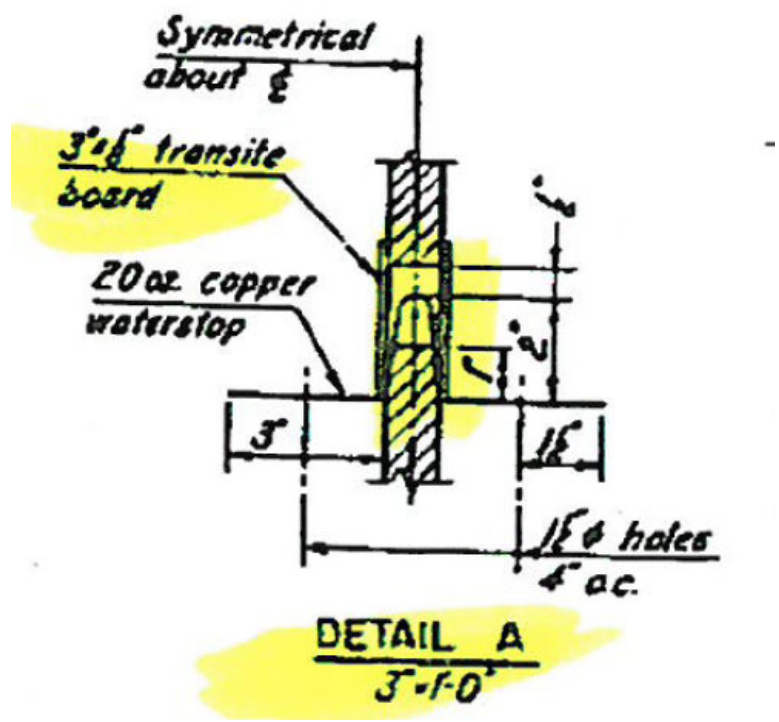


	Photo No. 15		Photo No. 16
Location: At the anchor bolts of the abutment and piers (as per record plans) **Sample Group #:** N/A **Description:** Asbestos Transite Washers		**Location:** Within joints of the retaining walls (as per record plans) **Sample Group #:** N/A **Description:** Asbestos Containing Transite Boards (three inches by 1/8 inch)	

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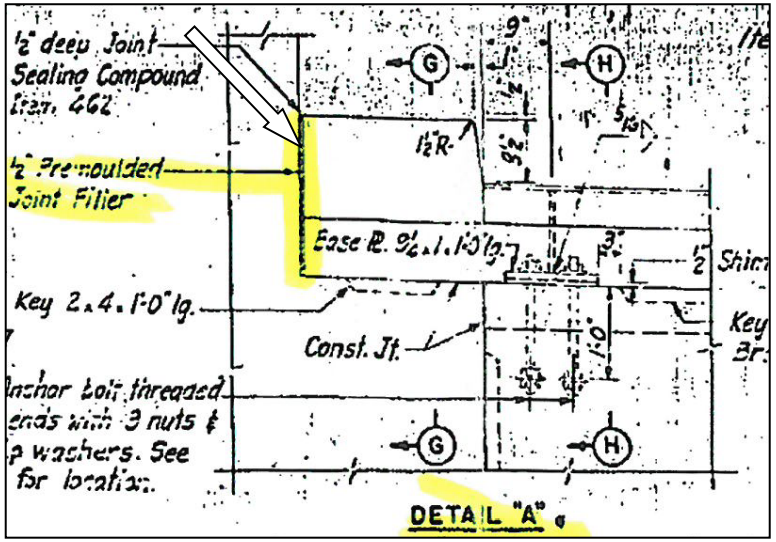
Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BIN 106666G: Ramp P

DATE: 2019



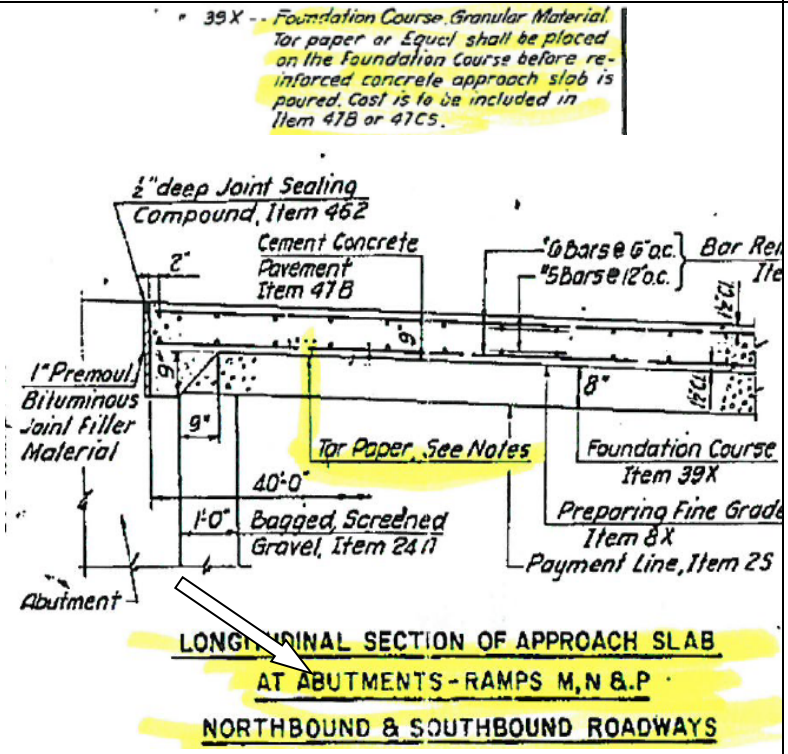


Photo No. 17

Location: Base of parapet running along the length of the ramp (both sides) beneath concrete (as per record plans)
Sample Group #: N/A
Description: Assumed Asbestos Containing Joint Filler

Photo No. 18

Location: Within approach slab to abutment (as per record plans)
Sample Group #: N/A
Description: Assumed Asbestos Containing Tar Paper

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	Photo No. 19		
Location: Electrical Pull Boxes within ramp barrier wall (NYC Electrical (4)) **Sample Group #:** N/A **Description:** Potentially Assumed Asbestos Containing Duct Seal present			

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - 106666H: Ramp N

DATE: 2019

Photo No. 20

Location: At abutment wall drain (1)
Sample Group #: 106666H-4
Description: Asbestos Containing Joint Filler

Photo No. 21

Location: Around drains on west side of retaining wall (4 total)
Sample Group #: 106666H-5
Description: Asbestos Containing Joint Filler

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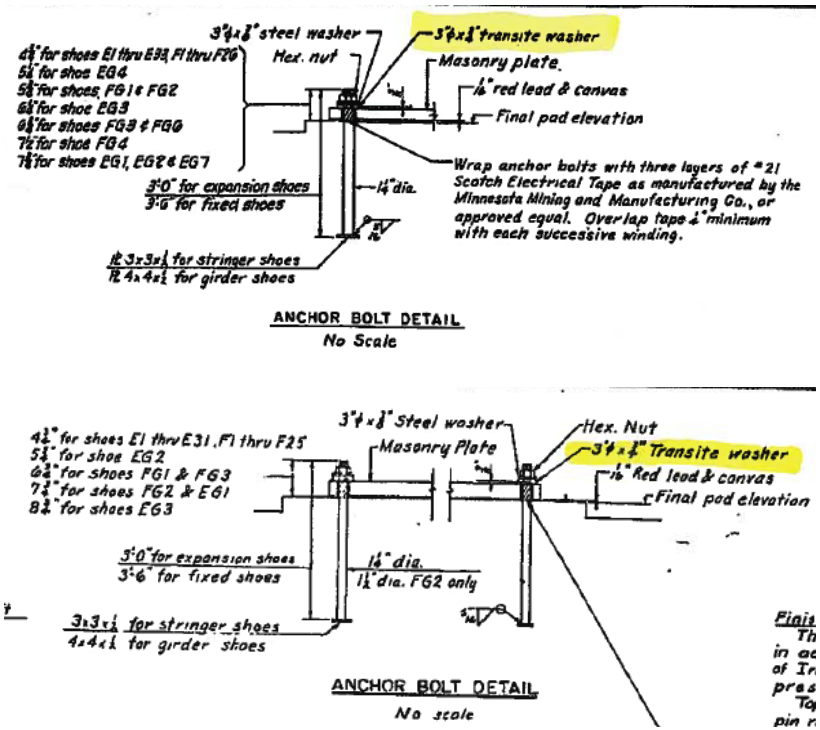
Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT – BIN 106666H: Ramp N

DATE: 2019



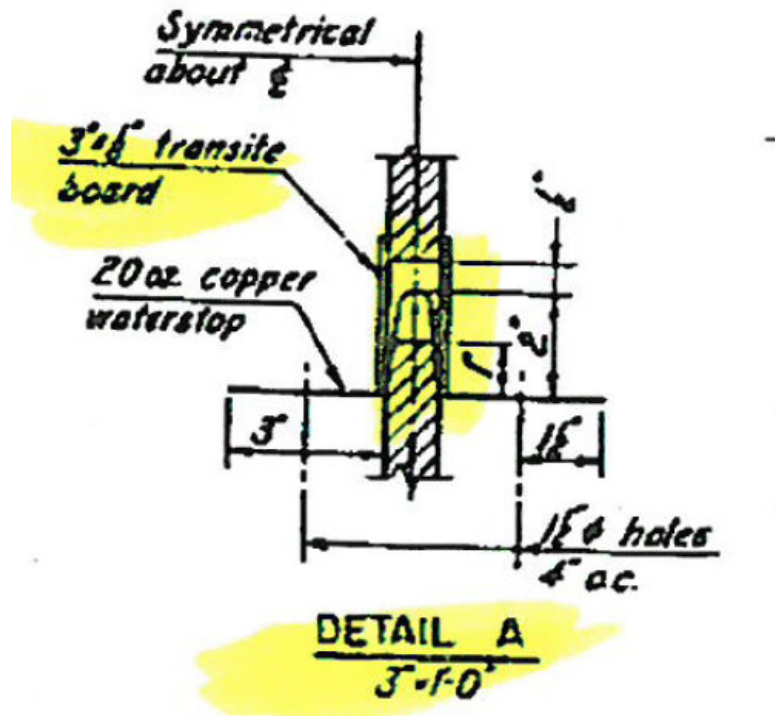


Photo No. 22

Location: At the anchor bolts of the abutment and piers (as per record plans)
Sample Group #: N/A
Description: Asbestos Transite Washers

Photo No. 23

Location: Within joints of the retaining walls (as per record plans)
Sample Group #: N/A
Description: Asbestos Containing Transite Boards (three inches by 1/8 inch)

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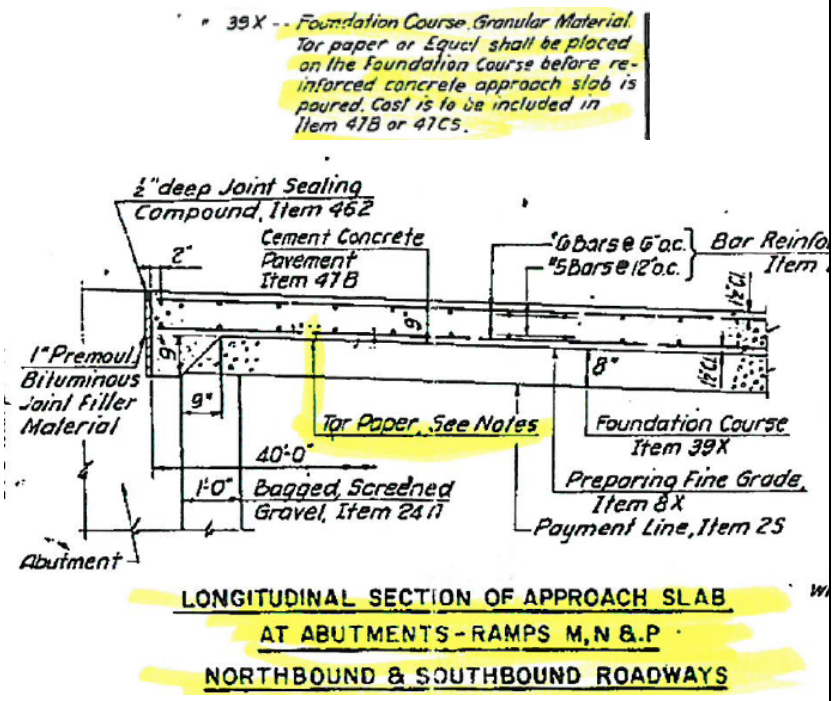
Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BIN 106666H: Ramp N

DATE: 2019



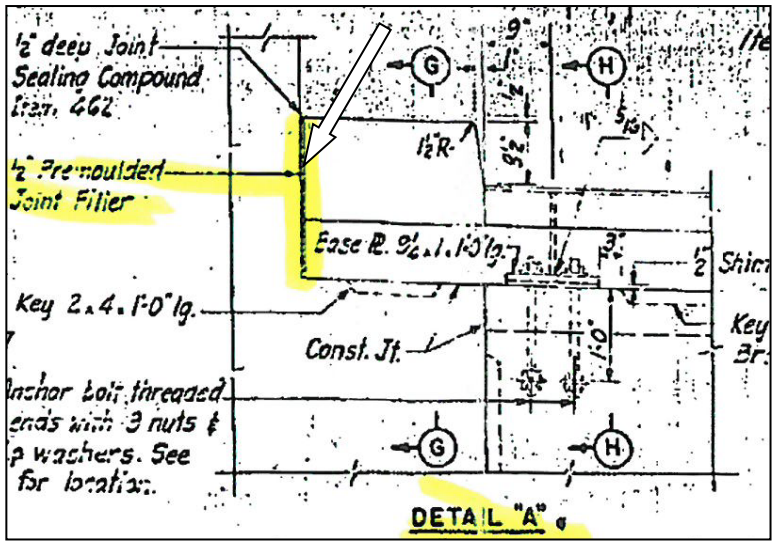


Photo No. 24

Location: Within approach slab to abutment (as per record plans)
Sample Group #: N/A
Description: Assumed Asbestos Containing Tar Paper

Photo No. 25

Location: Base of parapet running along the length of the ramp (both sides) beneath concrete (as per record plans)
Sample Group #: N/A
Description: Assumed Asbestos Containing Joint Filler

Environmental Planning & Management, Inc. www.epmco.com **Photos of Identified Asbestos Containing Materials**		**LOCATION:** HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BIN 106666H: Ramp N **DATE:** 2019	
	Photo No. 26		
Location: Electrical Pull Boxes within ramp barrier wall (NYC Electrical (7)) **Sample Group #:** N/A **Description:** Potentially Assumed Asbestos Containing Duct Seal present			

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BIN 1066669: Bruckner Expressway Viaduct

DATE: 2019

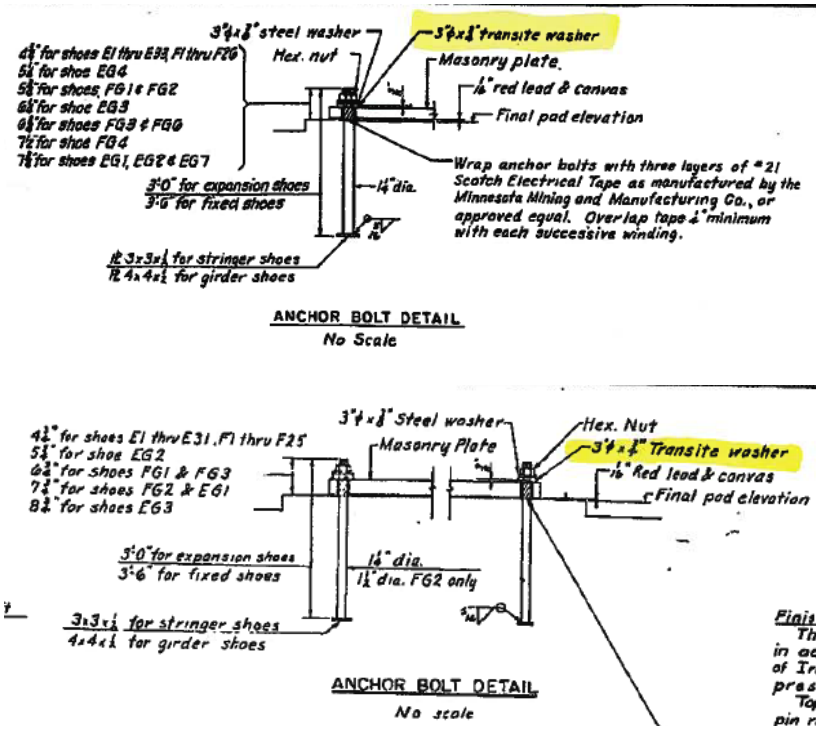

	Photo No. 27		Photo No. 28
Location: At anchor bolts of bearings at abutment & piers (as per record plans) **Sample Group:** N/A **Description:** Asbestos-Containing Transite Washers		**Location:** Electrical Pull Boxes within viaduct barrier wall (NYC Electrical – Approx. 75 SB and 79 NB) **Sample Group #:** N/A **Description:** Potentially Assumed Asbestos Containing Duct Seal present	

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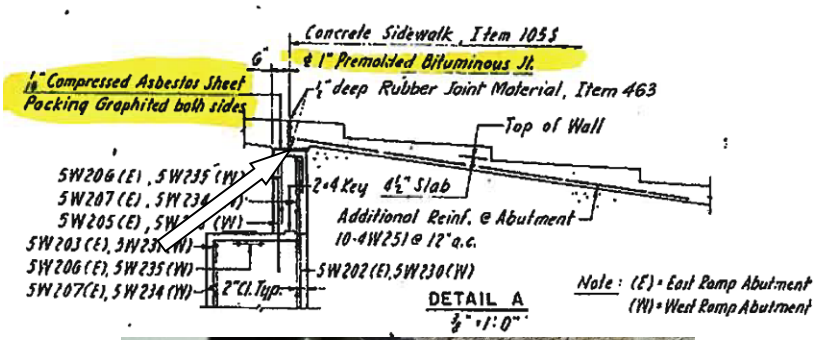
Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BIN 1075310: Bryant Avenue Pedestrian Bridge (over Bruckner Blvd)

DATE: 2019



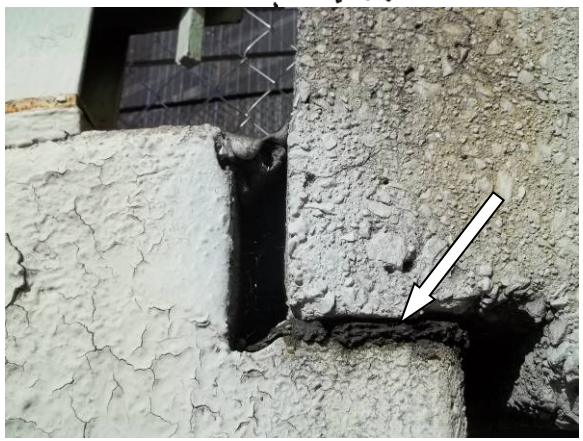


Photo No. 29

Location: On backwalls of abutments (as per record plans)
Sample Group: N/A
Description: Asbestos Containing Graphite Sheet

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BIN 107581A: Ramp Y

DATE: 2019

Photo No. 30

Location: Around old fence posts in the parapet wall
Sample Group #: 107581A-2
Description: Asbestos Containing Sealant/Caulking

Photo No. 31

Location: Within one joint of ramp barrier/parapet
Sample Group #: 107581A-3
Description: Asbestos Containing Caulking

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BIN 107581A: Ramp Y

DATE: 2019

Photo No. 32

Location: At the top of south parapet wall (near abutment)
Sample Group #: 107581A-6
Description: Asbestos Containing Black Mastic

Photo No. 33

Location: At all piers (6) and east abutment cap beam
Sample Group #: BE-14-2 (from 2013/2014 survey)
Description: Asbestos Containing Tar Paper

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BIN 107581A: Ramp Y

DATE: 2019

Photo No. 34

Location: At west abutment and pier #3
Sample Group #: BE-14-1 (from 2013/2014 survey)
Description: Asbestos Containing Bond Breaker/Filler - Brown

Photo No. 35

Location: At east abutments only
Sample Group #: BE-14-4 (from 2013/2014 survey)
Description: Asbestos Containing Bond Breaker/Filler - White

Environmental Planning & Management, Inc. www.epmco.com **Photos of Identified Asbestos Containing Materials**		**LOCATION:** HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BIN 107581A: Ramp Y **DATE:** 2019	
	Photo No. 36		
Location: Electrical Pull Boxes within ramp barrier wall (Unidentified boxes (3)) **Sample Group #:** N/A **Description:** Potentially Assumed Asbestos Containing Duct seal present			

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BIN 1075819: Bruckner Expressway (over Bronx River Avenue)

DATE: 2019

	Photo No. 37		**Photo No. 38**
Location: Within vertical joints of the northwest sidewall and southwest sidewall **Sample Group:** 1075819-3 **Description:** Asbestos Containing Old Caulking		**Location:** On top of abutment backwalls (pier #1 and pier #10) and joints above abutments **Sample Group #:** 1075819-7 **Description:** Asbestos Containing Bond Breaker/Filler	

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BIN 1075819: Bruckner Expressway (over Bronx River Avenue)

DATE: 2019

	Photo No. 39		**Photo No. 40**
Location: Relay control cabinet at Pier #10 **Sample Group:** N/A **Description:** Asbestos-Containing Materials – Electrical Box (wire insulation, cable wrap, ebony board, duct seal, etc.)		**Location:** Electrical Pull Boxes within north and south top of deck sidewalks (NYC Electrical (14)) **Sample Group #:** N/A **Description:** Potentially Assumed Asbestos Containing Duct Seal present	

Environmental Planning & Management, Inc. www.epmco.com **Photos of Identified Asbestos Containing Materials**		**LOCATION:** HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BIN 1075819: Bruckner Expressway (over Bronx River Avenue) **DATE:** 2019	
	Photo No. 41		
Location: Interior vaults (west of Pier #1 and east of Pier #10), on underside of cap beams (typical) **Sample Group:** N/A **Description:** Assumed Asbestos Containing Tar Paper			

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BIN 1076690: Westchester Avenue Exit Ramp

DATE: 2019

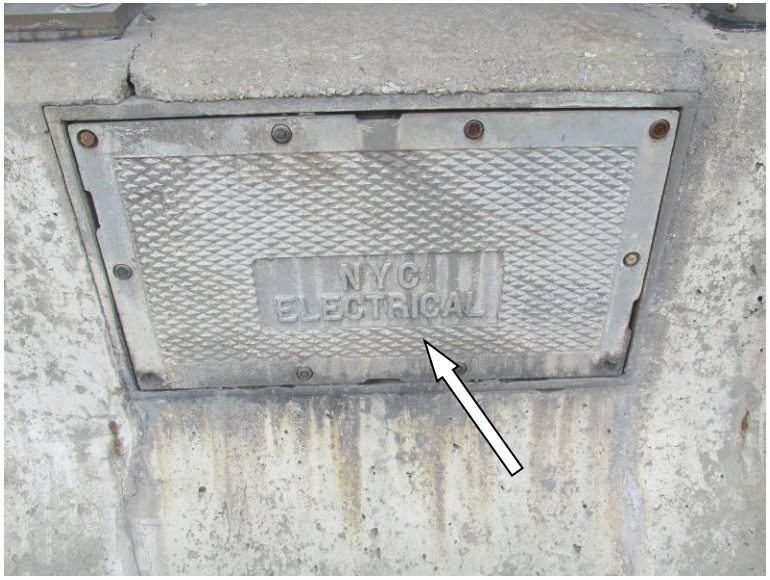

Photo No. 42

Location: Electrical Control Cabinet on north abutment wall
Sample Group: N/A
Description: Assumed Asbestos-Containing Electrical Components Potentially Present

Photo No. 43

Location: Electrical Pull Boxes within ramp barrier wall (NYC Electrical (5))
Sample Group #: N/A
Description: Potentially Assumed Asbestos Containing Duct Seal present

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	Photo No. 44		
Location: Electrical Pull Box within top of deck sidewalk (NYC Electrical (1)) **Sample Group #:** N/A **Description:** Potentially Assumed Asbestos Containing Duct Seal present			

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BIN 2076929: Railroad Crossing (EB & WB Bruckner Expressway over CSX)

DATE: 2019

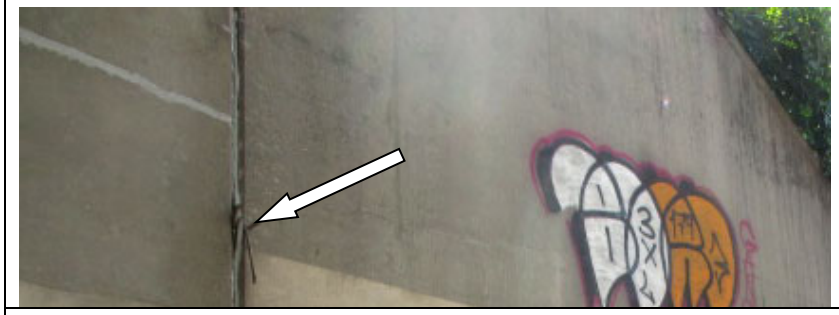

Photo No. 45

Location: Potentially present within vertical joints of abutments and sidewalls
Sample Group: N/A
Description: Assumed Asbestos-Containing Joint Caulk and/or Joint Filler

Photo No. 46

Location: Electrical Pull Box within westbound roadway (NYC Electrical (1))
Sample Group #: N/A
Description: Potentially Assumed Asbestos Containing Duct Seal present

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BLOCK 2759, LOT 20 (1375 Garrison Avenue))
DATE: 2019

Photo No. 47

Location: Meter Room (extending thru wall into open area)
Sample Group: 1375-1
Description: Asbestos-Containing Aircell Pipe Insulation

Photo No. 48

Location: Open Area (outside of meter Room)
Sample Group: 1375-1
Description: Asbestos-Containing Aircell Pipe Insulation

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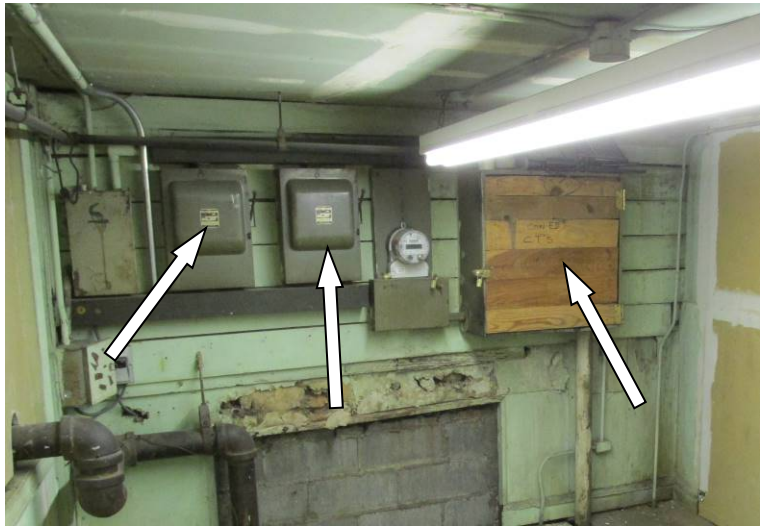
Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BLOCK 2759, LOT 20 (1375 Garrison Avenue))
DATE: 2019

	Photo No. 49		**Photo No. 50**
Location: By Electrical Panel near Locker Room **Sample Group:** 1375-1 **Description:** Asbestos-Containing Aircell Pipe Insulation		**Location:** Boiler Room (debris under staircase not shown) **Sample Group:** 1375-1 **Description:** Asbestos-Containing Aircell Pipe Insulation (typical)	

Environmental Planning & Management, Inc. www.epmco.com **Photos of Identified Asbestos Containing Materials**		**LOCATION:** HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BLOCK 2759, LOT 20 (1375 Garrison Avenue)) **DATE:** 2019	
	Photo No. 51		**Photo No. 52**
Location: 2nd Floor **Sample Group:** 1375-1 **Description:** Asbestos-Containing Aircell Pipe Insulation (typical)		**Location:** 2nd Floor – Around Perimeter of Room (near ceiling) **Sample Group:** 1375-26 **Description:** Asbestos-Containing Wall Mastic (roofing residue)	

Environmental Planning & Management, Inc. www.epmco.com **Photos of Identified Asbestos Containing Materials**		**LOCATION:** HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BLOCK 2759, LOT 20 (1375 Garrison Avenue)) **DATE:** 2019	
			
	Photo No. 53		**Photo No. 54**
Location: Boiler Room **Sample Group:** N/A **Description:** Assumed Asbestos-Containing Gasket (typical)c		**Location:** Electrical Room – Within locked Con Edison power panel and within locked disconnect switch boxes (2) **Sample Group:** N/A **Description:** Assumed Asbestos-Containing Electrical Components Potentially Present	

Environmental Planning & Management, Inc. www.epmco.com **Photos of Identified Asbestos Containing Materials**		**LOCATION:** HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BLOCK 2761, LOT 224 (1376 Garrison Avenue) - 933 Edgewater Rd (**Ochun Auto Repair**) **DATE:** 2019	
	Photo No. 55		
Location: Ochun Auto Repair - Ground level bathroom door **Sample Group:** 933-12 **Description:** Asbestos-Containing Door Insulation (aircell)			

Environmental Planning & Management, Inc. www.epmco.com **Photos of Identified Asbestos Containing Materials**		**LOCATION:** HUNTS POINT INTERSTATE ACCESS IMPROVEMENT - BLOCK 2761, LOT 224 (1376 Garrison Avenue) - 935 Edgewater Rd (**Owner Building**) **DATE:** 2019	
	Photo No. 56		
Location: Owner Building - Office **Sample Group:** 935-3 **Description:** Asbestos-Containing 9”x9” Green Floor Tile and Associated Asbestos Containing Mastic			

Environmental Planning & Management, Inc. www.epmco.com **Photos of Identified Asbestos Containing Materials**		**LOCATION:** HUNTS POINT INTERSTATE ACCESS IMPROVEMENT – Retaining Walls within Amtrak Right-of-Way – From East 149th Street to 156th Street **DATE:** 2020	
	Photo No. 57		**Photo No. 58**
Location: Within Vertical Joints of Retaining Walls (extending up to top of parapets) **Sample Group:** RW-1 **Description:** Asbestos-Containing Beige Caulk		**Location:** Within Vertical Joints of Retaining Walls (extending up to top of parapets) **Sample Group:** RW-3 **Description:** Asbestos-Containing White Caulk	

Environmental Planning & Management, Inc. www.epmco.com **Photos of Identified Asbestos Containing Materials**		**LOCATION:** HUNTS POINT INTERSTATE ACCESS IMPROVEMENT – Retaining Walls within Amtrak Right-of-Way – From Tiffany Street to Barretto Street **DATE:** 2020	
	Photo No. 59		
Location: Within Vertical Joints of Retaining Walls (extending up to top of parapets) **Sample Group:** RW-4 **Description:** Asbestos-Containing Grey Caulk			

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT – Retaining Walls within Amtrak Right-of-Way – From Barretto Street to Faile Street
DATE: 2020

Photo No. 60

Location: Within Vertical Joints of Retaining Walls (extending up to top of parapets)
Sample Group: RW-7
Description: Asbestos-Containing Grey Caulk

Photo No. 61

Location: Within Vertical Joints of Retaining Walls (extending up to top of parapets)
Sample Group: RW-9
Description: Asbestos-Containing Beige Caulk (newer caulk)

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT – Retaining Walls within Amtrak Right-of-Way – From Faile Street to Bryant Avenue
DATE: 2020

Photo No. 62

Location: Within Vertical Joints of Retaining Walls (extending up to top of parapets)
Sample Group: RW-10
Description: Asbestos-Containing Grey Caulk

Photo No. 63

Location: Around Retaining Wall Drains
Sample Group: RW-12
Description: Asbestos-Containing Tar

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Photos of Identified Asbestos Containing Materials

LOCATION: HUNTS POINT INTERSTATE ACCESS IMPROVEMENT – Retaining Walls within Amtrak Right-of-Way – From Bryant Avenue to Railroad Bridge
DATE: 2020

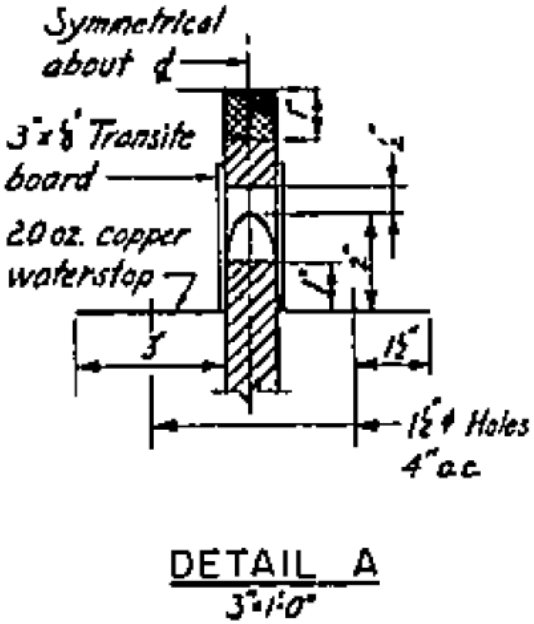

	Photo No. 64		Photo No. 65
Location: Within Vertical Joints of Retaining Walls (extending up to top of parapets) **Sample Group:** RW-13 **Description:** Asbestos-Containing Grey Caulk		**Location:** Within joints of the retaining walls (as per record plans) – Typical for all retaining walls **Sample Group #:** N/A **Description:** Asbestos Containing Transite Boards (three inches by 1/8 inch)	

APPENDIX D
Licenses and Accreditations

New York State – Department of Labor
Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Environmental Planning & Management, Inc.
Suite 109
1983 Marcus Avenue

Lake Success, NY 11042

FILE NUMBER: 99-1017
LICENSE NUMBER: 28623
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 10/30/2019
EXPIRATION DATE: 11/30/2020

Duly Authorized Representative – Aphrodite Socrates:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Eileen M. Franko, Director
For the Commissioner of Labor

SH 432 (8/12)

New York State – Department of Labor
Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Environmental Planning & Management, Inc.
Suite 109
1983 Marcus Avenue

Lake Success, NY 11042

FILE NUMBER: 99-1017
LICENSE NUMBER: 28623
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 10/25/2018
EXPIRATION DATE: 11/30/2019

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This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Eileen M. Franko, Director
For the Commissioner of Labor

SH 432 (8/12)

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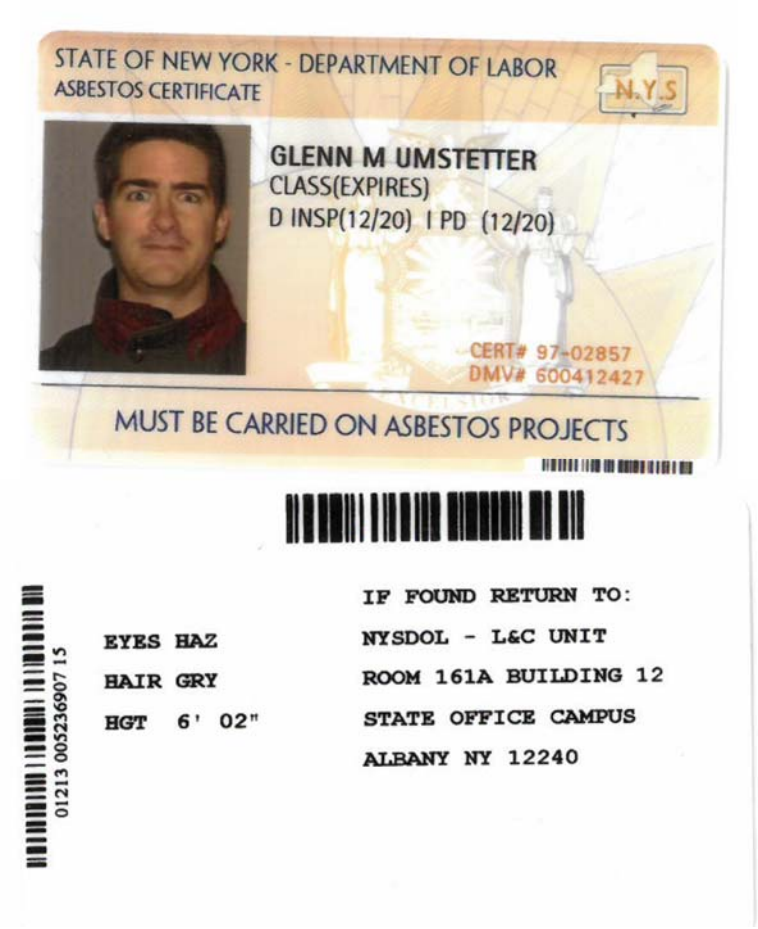
GLENN UMSTETTER



A – Asbestos Handling

B – Restricted Handler – Allied Trades

C – Air Sampling Technician

D – Inspector

E- Management Planner

F – Operations and Maintenance

G – Supervisor

H – Project Monitor

I – Project Designer

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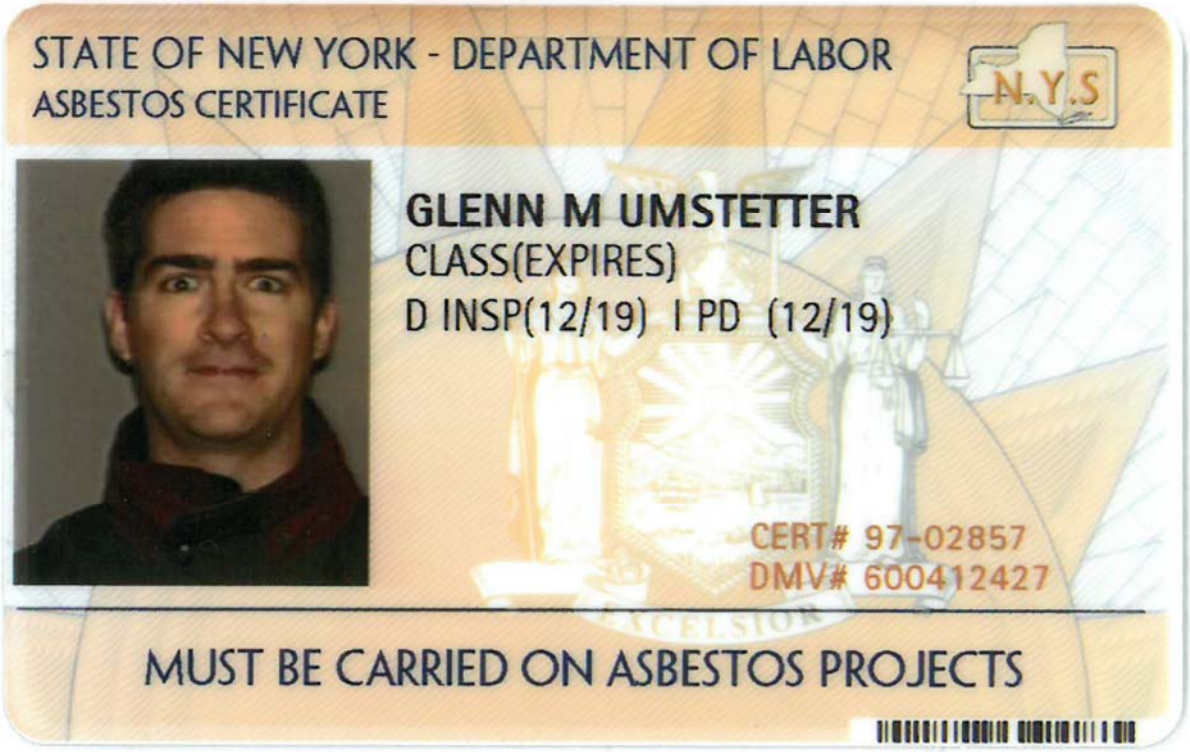
GLENN UMSTETTER



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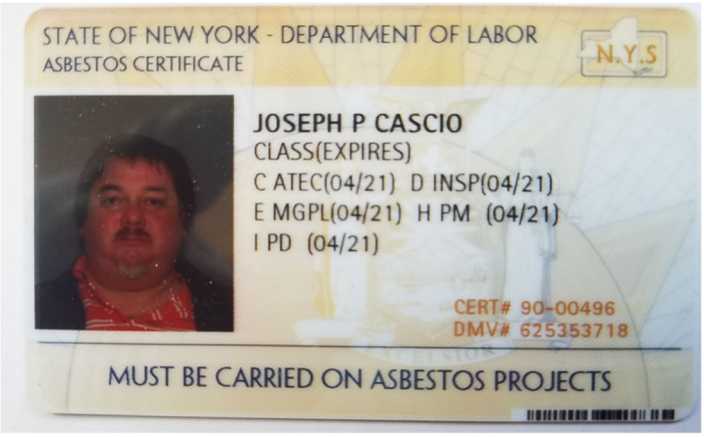
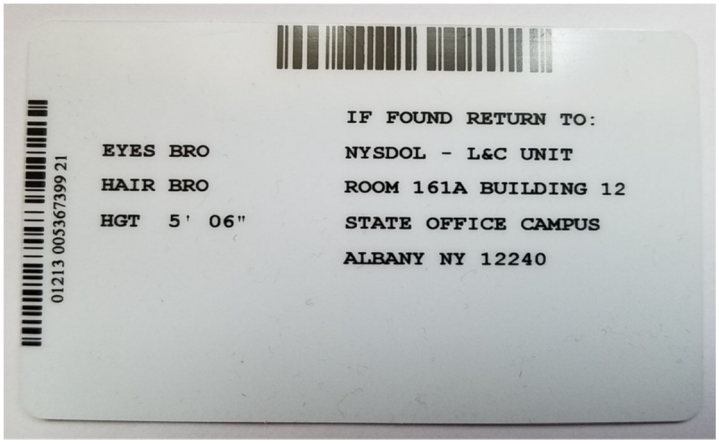
JOSEPH CASCIO





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JONATHAN R STEKETEE

A – Asbestos Handling

B – Restricted Handler – Allied Trades

C – Air Sampling Technician

D – Inspector

E- Management Planner

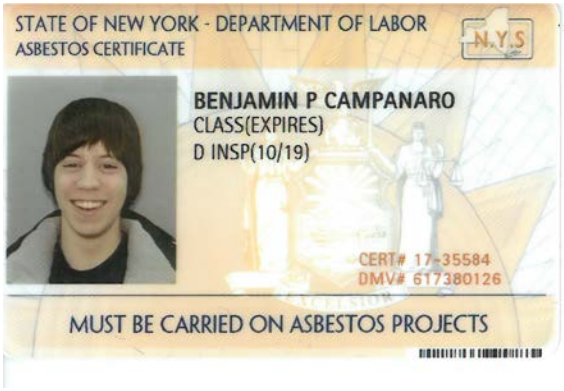
F – Operations and Maintenance

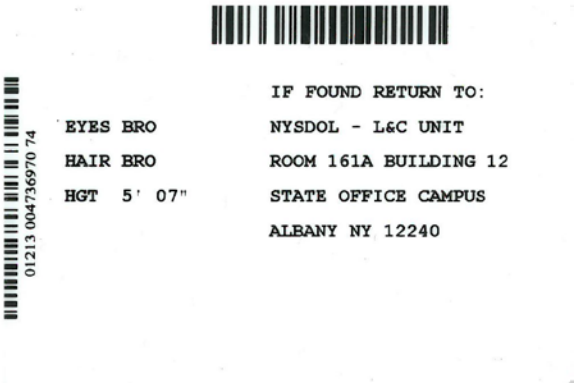
G – Supervisor

H – Project Monitor

I – Project Designer

Environmental Planning & Management, Inc.
www.epmco.com





A – Asbestos Handling

B – Restricted Handler – Allied Trades

C – Air Sampling Technician

D – Inspector

E- Management Planner

F – Operations and Maintenance

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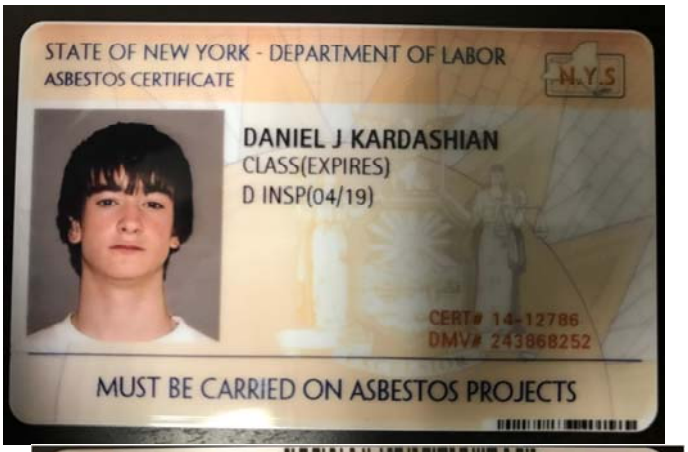
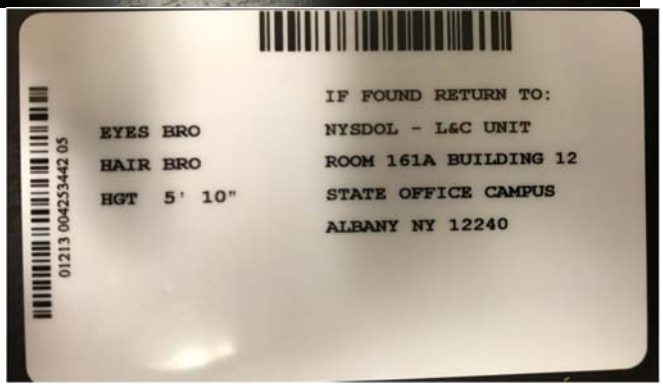
DANIEL KARDASHIAN





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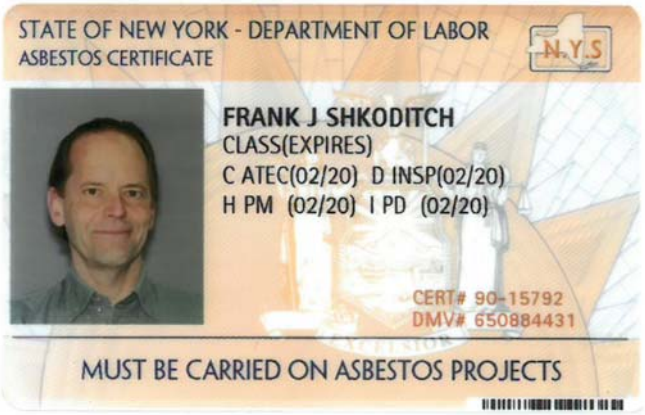
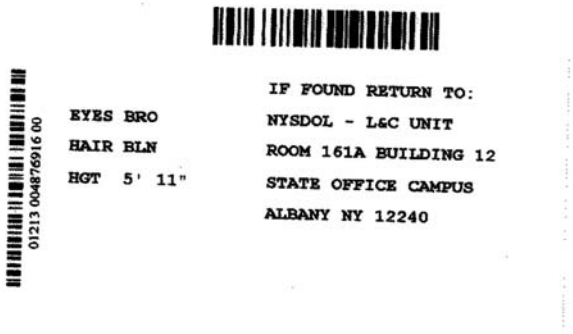
FRANK SHKODITCH





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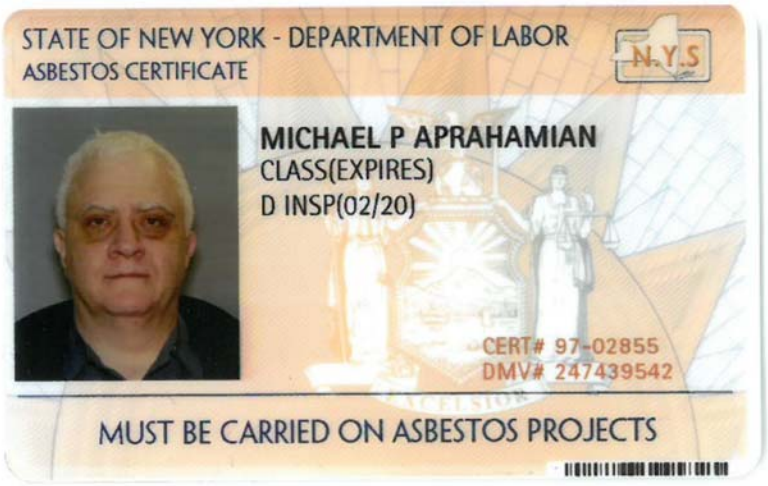
MICHAEL APRAHAMIAN



01213 004876918 65

EYES BRO
HAIR BRO
HGT 5' 11"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

A – Asbestos Handling

B – Restricted Handler – Allied Trades

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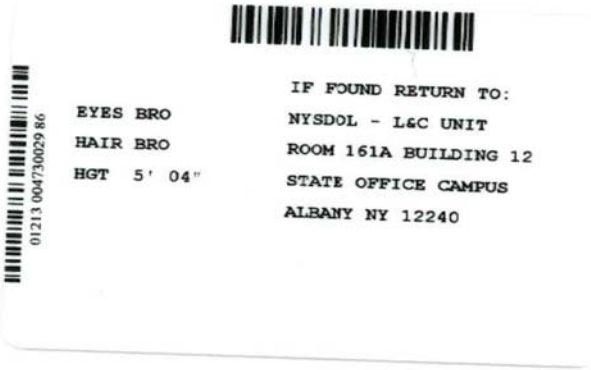
ILIANA GOGOS



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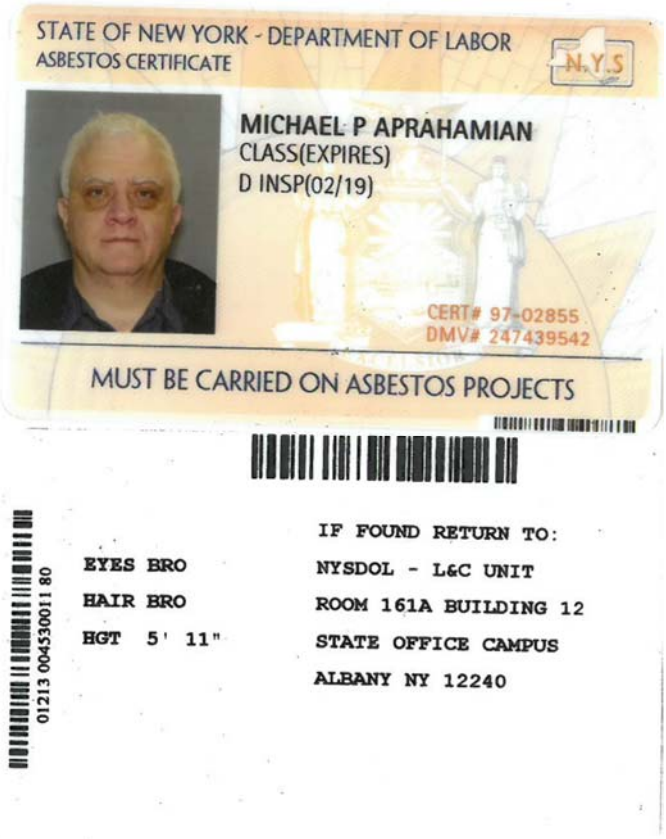
STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE
N.Y.S
MICHAEL P APRAHAMIAN
CLASS(EXPIRES)
D INSP(02/19)
CERT# 97-02855
DMV# 247439542
MUST BE CARRIED ON ASBESTOS PROJECTS
01213 004530011 80
EYES BRO
HAIR BRO
HGT 5' 11"
IF FOUND RETURN TO:
NYSDOL - L&C UNIT
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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2021
Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. DIMITRIOS MOLOHIDES
ALPHA LABS LLC
14-26 28TH AVENUE
LONG ISLAND CITY, NY 11102

NY Lab Id No: 11833

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual
	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Material	Item 198.8 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	ASTM D3335-85A

Sample Preparation Methods

	ASTM D3335-85A
	ASTM E-1644-17

NEW YORK STATE | Department of Health

Serial No.: 61577

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

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Issued April 01, 2019

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Lead in Dust Wipes	EPA 7000B
Lead in Paint	ASTM D3335-85A

Sample Preparation Methods

	ASTM D3335-85A
	ASTM E-1644-17

Serial No.: 59860

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National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Alpha Labs LLC
14-26 28 Avenue
Long Island City, NY 11102
Mr. Dimitrios Molohides
Phone: 718-482-7525 Fax: 718-482-7524
Email: dmolohides@alphalabsllc.com
http://www.alphalabsllc.com

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200691-0

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

Effective 2020-01-01 through 2020-12-31

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200691-0

Alpha Labs LLC

Long Island City, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2020-01-01 through 2020-12-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

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2019-01-01 through 2019-12-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

APPENDIX E
Previous Asbestos Bulk Sample Laboratory Analysis Reports

14-26 28th Avenue Long Island City, NY 11102
Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management, 1983 Marcus Ave.-Suite 109, Lake Success, NY 11042
BUILDING ADDRESS: NYSDOT-Dewberry Engineers- **BIN: 106666F** (BE-3), 278l over Hunts Point Ave.
PROJECT: 29062

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Fibrous	% Non-Fibrous	ASBESTOS % & Type	ASBESTOS % & Type
BE-3-1A 13-04-062-1	Caulk- gray	Top of deck expansion joint at begin abutment	Gray Homogeneous NOB	48.6	16.4	35.0	0%	100%	NAD Inconclusive	NAD
BE-3-1B 13-04-062-2	Caulk- gray	Top of deck expansion joint at end abutment	Gray Homogeneous NOB	27.4	9.7	62.8	0%	100%	NAD Inconclusive	NAD
BE-3-1C 13-04-062-3	Caulk- gray	Top of deck expansion joint at end abutment	Gray Homogeneous NOB	21.0	34.1	44.9	0%	100%	NAD Inconclusive	NAD
BE-3-2A 13-04-062-4	Bearing pad material- black	Pier 5, G3 pedestal	Black/green Homogeneous NOB	64.1	15.7	20.2	10% SYNT	90%	NAD Inconclusive	NAD
BE-3-2B 13-04-062-5	Bearing pad material- black	Pier 5, G2 pedestal	Black/green Homogeneous NOB	66.9	5.7	27.5	10% SYNT	90%	NAD Inconclusive	NAD
BE-3-2C 13-04-062-6	Bearing pad material- black	Pier 5, G4 pedestal	Black/green Homogeneous NOB	64.0	21.5	14.5	10% SYNT	90%	NAD Inconclusive	NAD

14-26 28th Avenue Long Island City, NY 11102
Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

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BUILDING ADDRESS: NYSDOT-Dewberry Engineers- **BIN: 106666F** (BE-3), 278I over Hunts Point Ave.
PROJECT: 29062

Date Received: 4/12/13
Date of PLM Analysis: 4/15/13
Date of TEM Analysis: 4/16/13
Date of Report: 4/17/13

PLM Analyst: L.Tchorzewski
TEM Analyst: A. Ansari

Analyst: L. Tchorzewski

QC Review / Date: 4/19/13
D. Molohides, Lab Director

NAD = No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 1%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable sample, which includes the identification and quantitation of vermiculite) and protocol 198.6 (NOB samples), Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim endorsement by NVLAP or any agency of the US Government. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(April 1, 2013)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

BULK SAMPLE FORM

B-04-62

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

Turn Around: 72 HRS

SEND ALL RESULTS BY PDF EMAIL TO, ATTENTION OF:
maprahamian@epmco.com; dfrank@epmco.com

FOLLOW-UP ALL FAXES WITH HARDCOPY BY MAIL TO EPM

SHIPPED BY: Overnight

PROJECT INFORMATION

CLIENT : NYSDOT/ Dewberry Engineers

EPM # : 29062 DATE : 4/12/2013

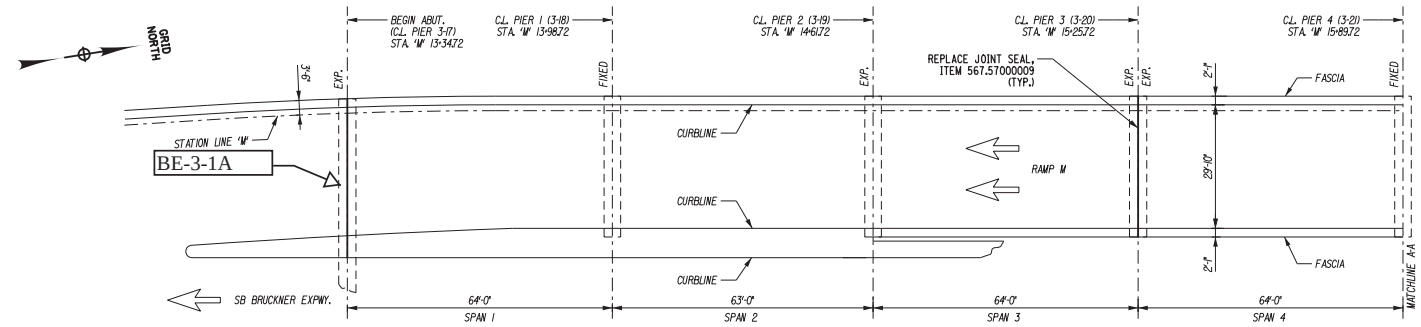
Location:BIN 106666F (BE-3), 278l over Hunts Point Ave.

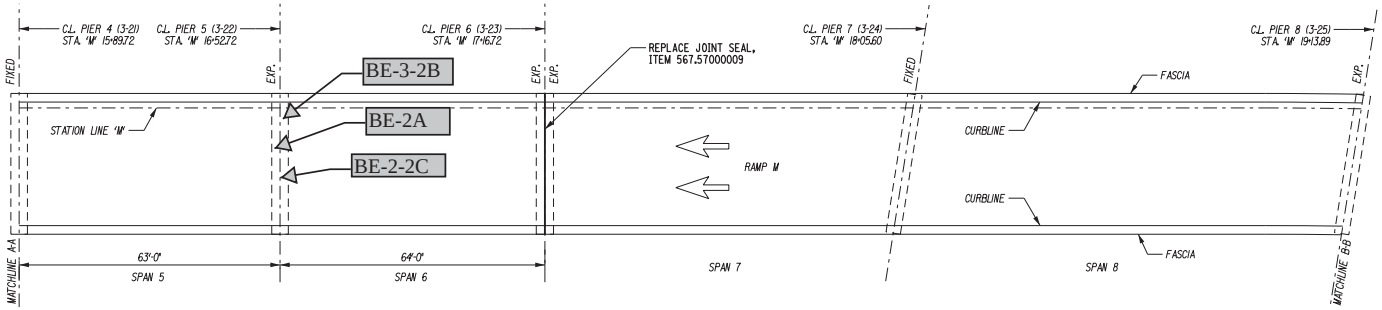
Layered analysis by PLM until 1st positive and STOP! If negative by PLM and NOB analyze by TEM until 1st positive and STOP.

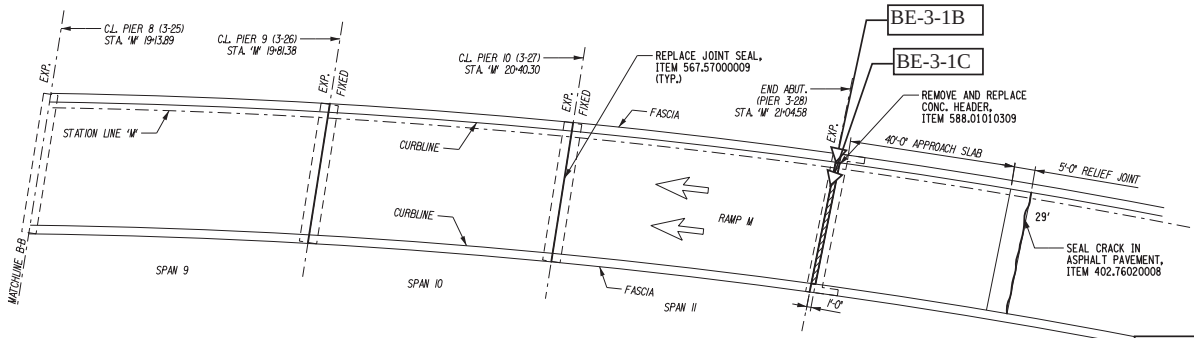
SAMPLE NUMBER	DATE	SAMPLE LOCATION	MATERIAL DESCRIPTION
BE-3 1A	11/14/2012	Top of deck expansion joint at begin abutment	Caulk- gray
BE-3 1B		Top of deck expansion joint at end abutment	Caulk- gray
BE-3 1C		Top of deck expansion joint at end abutment	Caulk- gray
BE-3 2A		Pier 5, G3 pedestal	Bearing pad material- black
BE-3 2B		Pier 5, G2 pedestal	Bearing pad material- black
BE-3 2C		Pier 5, G4 pedestal	Bearing pad material- black

Sampler's Relinquishment Signature / Date / Time:
4/12/13 17:00

Lab Receipt Signature / Date / Time:
Li Chorzewski 4/12/13 6:20PM







NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO WORK. THE DIMENSIONS SHOWN ON THIS DRAWING ARE BASED ON EXISTING DRAWINGS PROVIDED BY NYSDOT. ANY DISCREPANCY IN THE DIMENSIONS SHALL BE MADE KNOWN TO THE ENGINEER IMMEDIATELY.
2. STATION LINE "M" AT C.L. OF PIERS, SPANS AND PIER NUMBERS SHOWN IN THE BRACKETS ( ) ARE BASED ON THE EXSISTING OR AS-BUILT PLANS DATED MARCH 1960, GRADING, DRAINAGE, STRUCTURES AND PAVING FROM LAFAYETTE AVE TO LOWELL ST., CONTRACT NO. D254615, SHEET NO. 87R TO 89.

REFERENCES:

1. XXX.XX

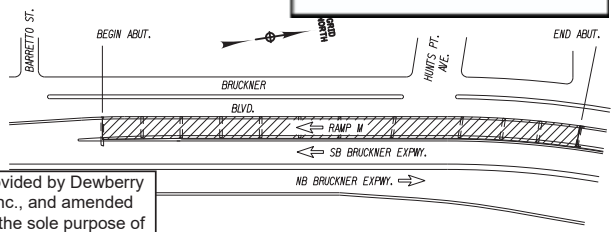
LEGEND:

CONCRETE SPALL

ITEM NO.	DESCRIPTION
402.76020008	CLEANING AND SEALING CRACKS IN HOT MIX ASPHALT PAVEMENT USING HOT APPLIED SEALANT
567.51000009	SEALING EXISTING BRIDGE JOINTS
588.01010309	REHABILITATION OF BRIDGE JOINT SYSTEM, JOINT WIDTH LESS THAN 2 INCHES. REPLACE THE HEADER WITH ELASTOMETRIC CONCRETE.

Sample Location Map

Above deck sample
Under deck sample



KEYPLAN
N.T.S.

Drawing provided by Dewberry Engineers Inc., and amended by EPM for the sole purpose of illustrating ACM sampling locations.

Dewberry®
DEWBERRY ENGINEERS INC.

Environmental Planning and Management Inc. (EPM)
March, 2013

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

COUNTY: BRONX

PIN XM12.53 | BRIDGES BIN 106666F | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BE-3 SAMPLE LOCATIONS

2781
OVER HUNTS POINT AVENUE

CONTRACT NUMBER D030694

DRAWING NO. BE3-S1

SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 11

DOCUMENT NAME:

DESIGN SUPERVISOR AK | JOB MANAGER MPA | DESIGN BBS | CHECK KLL | DRAFTING AS | CHECK CS | PROJECT MANAGER MPA

FILE NAME = D030694_cpb_gen_BE3-106666F-S1.dgn
DATE/TIME = 30/11/2012 3:48:46 PM
USER = tpierre

alpha Labs
14-26 28th Avenue Long Island City, NY 11102
Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

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PROJECT: 29062

Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Fibrous	% Non-Fibrous	ASBESTOS % & Type	ASBESTOS % & Type
BE-1-2A 13-04-064-1	Caulk - light gray	Top of deck, north parapet vertical joint at Pier-1 northbound	Light gray Homogeneous NOB	36.5	54.3	9.2	0%	100%	NAD Inconclusive	NAD
BE-1-2B 13-04-064-2	Caulk - light gray	Top of deck, median parapet longitudinal joint between Piers 25-26	Light gray Homogeneous NOB	39.2	55.0	5.8	0%	100%	NAD Inconclusive	NAD
BE-1-2C 13-04-064-3	Caulk - light gray	Top of deck, median parapet longitudinal joint at Pier-133	Light gray Homogeneous NOB	47.9	38.1	14.0	0%	100%	NAD Inconclusive	NAD
BE-1-3A 13-04-064-4	Black pad material	Top of deck, north parapet rail base at Pier-1 northbound	Black Homogeneous NOB	90.5	6.2	3.3	10% SYNT	90%	NAD Inconclusive	NAD
BE-1-3B 13-04-064-5	Black pad material	Top of deck, north parapet rail base at Pier-7 northbound	Black Homogeneous NOB	92.6	5.3	2.0	10% SYNT	90%	NAD Inconclusive	NAD
BE-1-3C 13-04-064-6	Black pad material	Top of deck, north parapet rail base at Pier-150 northbound	Black Homogeneous NOB	92.4	6.3	1.3	10% SYNT	90%	NAD Inconclusive	NAD
BE-1-4A 13-04-064-7	Joint filler material - brown	Top of deck, median parapet longitudinal joint between Piers 25-26	Brown Homogeneous NOB	92.1	5.6	2.3	30% CELL	70%	NAD Inconclusive	NAD
BE-1-4B 13-04-064-8	Joint filler material - brown	Top of deck, median parapet longitudinal joint at Pier-28	Brown Homogeneous NOB	88.7	8.6	2.7	30% CELL	70%	NAD Inconclusive	NAD
BE-1-4C 13-04-064-9	Joint filler material - brown	Top of deck, median parapet longitudinal joint 30-feet west Pier-92	Brown Homogeneous NOB	89.5	4.5	6.0	30% CELL	70%	NAD Inconclusive	NAD
BE-1-5A 13-04-064-10	Bearing pad material- orange woven cloth	Begin abutment, south girder (G6) pedestal bearing	Orange Homogeneous NOB	48.3	16.5	35.1	50% CELL	50%	NAD Inconclusive	NAD
BE-1-5B 13-04-064-11	Bearing pad material- orange woven cloth	Pier 37 (span 38) G6 bearing	Orange Homogeneous NOB	32.0	23.3	44.8	50% CELL	50%	NAD Inconclusive	NAD
BE-1-5C 13-04-064-12	Bearing pad material- orange woven cloth	Pier 26 (span 27) G2 bearing	Orange Homogeneous NOB	36.8	20.3	42.9	50% CELL	50%	NAD Inconclusive	NAD

alpha labs
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				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Fibrous	% Non-Fibrous	ASBESTOS % & Type	ASBESTOS % & Type
BE-1-6A 13-04-064-13	Bearing pad material- black pad	End abutment, G1 pedestal bearing	Black Homogeneous NOB	60.9	17.4	21.7	10% SYNT	90%	NAD Inconclusive	NAD
BE-1-6B 13-04-064-14	Bearing pad material- black pad	End abutment, G3 pedestal bearing	Black Homogeneous NOB	55.4	30.8	13.8	10% SYNT	90%	NAD Inconclusive	NAD
BE-1-6C 13-04-064-15	Bearing pad material- black pad	End abutment, G4 pedestal bearing	Black Homogeneous NOB	68.2	16.3	15.5	10% SYNT	90%	NAD Inconclusive	NAD

Date Received: 4/12/13
Date of PLM Analysis: 4/15/13
Date of TEM Analysis: 4/16/13
Date of Report: 4/17/13

PLM Analyst: L.Tchorzewski
TEM Analyst: A. Ansari

Analyst: L. Tchorzewski

QC Review / Date: 4/19/13
D. Molohides, Lab Director

NAD = No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 1%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable sample, which includes the identification and quantitation of vermiculite) and protocol 198.6 (NOB samples), Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim endorsement by NVLAP or any agency of the US Government. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(April 1, 2013)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

BULK SAMPLE FORM

13-04-64

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

Turn Around: 72 HRS

SEND ALL RESULTS BY PDF EMAIL TO, ATTENTION OF:
maprahamian@epmco.com; dfrank@epmco.com

FOLLOW-UP ALL FAXES WITH HARDCOPY BY MAIL TO EPM

SHIPPED BY: Overnight

PROJECT INFORMATION

CLIENT : NYSDOT/ Dewberry Engineers

EPM # : 29062 DATE : 4/12/2013

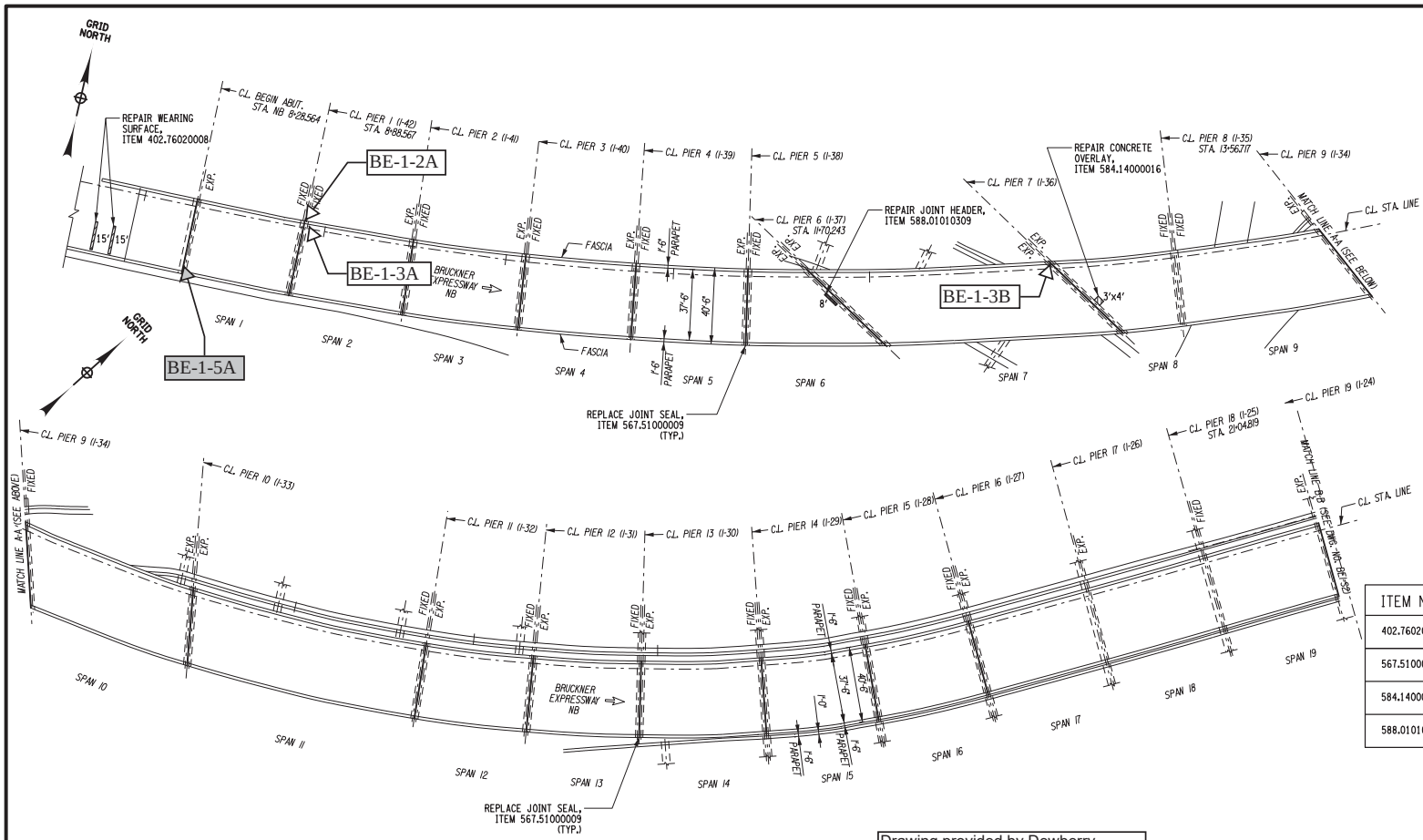
Location:BIN 1066669 (BE-1), 278I over Bruckner Blvd

Layered analysis by PLM until 1st positive and STOP! If negative by PLM and NOB analyze by TEM until 1st positive and STOP.

SAMPLE NUMBER		DATE	SAMPLE LOCATION	MATERIAL DESCRIPTION
BE-1	2A	11/19/2012	Top of deck, north parapet vertical joint at Pier-1 northbound	Caulk - light gray
BE-1	2B		Top of deck, median parapet longitudinal joint between Piers 25-26	Caulk - light gray
BE-1	2C		Top of deck, median parapet longitudinal joint at Pier-133	Caulk - light gray
BE-1	3A		Top of deck, north parapet rail base at Pier-1 northbound	Black pad material
BE-1	3B		Top of deck, north parapet rail base at Pier-7 northbound	Black pad material
BE-1	3C		Top of deck, north parapet rail base at Pier-150 northbound	Black pad material
BE-1	4A		Top of deck, median parapet longitudinal joint between Piers 25-26	Joint filler material - brown
BE-1	4B		Top of deck, median parapet longitudinal joint at Pier-28	Joint filler material - brown
BE-1	4C		Top of deck, median parapet longitudinal joint 30-feet west Pier-92	Joint filler material - brown
BE-1	5A		Begin abutment, south girder (G6) pedestal bearing	Bearing pad material- orange woven cloth
BE-1	5B		Pier 37 (span 38) G6 bearing	Bearing pad material- orange woven cloth
BE-1	5C		Pier 26 (span 27) G2 bearing	Bearing pad material- orange woven cloth
BE-1	6A		End abutment, G1 pedestal bearing	Bearing pad material- black pad
BE-1	6B		End abutment, G3 pedestal bearing	Bearing pad material- black pad
BE-1	6C		End abutment, G4 pedestal bearing	Bearing pad material- black pad

Sampler's Relinquishment Signature / Date / Time: 4/12/13 17:00

Lab Receipt Signature / Date / Time: L. Tchorewski 4/12/13 6:20PM



REPAIR PLAN
SCALE: 1 = 60'-0"

NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO WORK. THE DIMENSIONS SHOWN ON THIS DRAWING ARE BASED ON EXISTING DRAWINGS PROVIDED BY NYSDOT. ANY DISCREPANCY IN THE DIMENSIONS SHALL BE MADE KNOWN TO THE ENGINEER IMMEDIATELY.
2. STATIONS AT C.L. OF PIERS, SPANS, AND PIER NUMBERS AS SHOWN IN THE BRACKETS ( ) ARE BASED ON THE EXISTING OR AS-BUILT PLANS DATED NOV. 10 1993, I-278 BRUCKNER EXPRESSWAY AND RAMPS REHABILITATION AT TRIBOROUGH INTERCHANGE, CONTRACT NO. D254956, PIN X730.27, SHEETS 39 TO 41.

LEGEND:

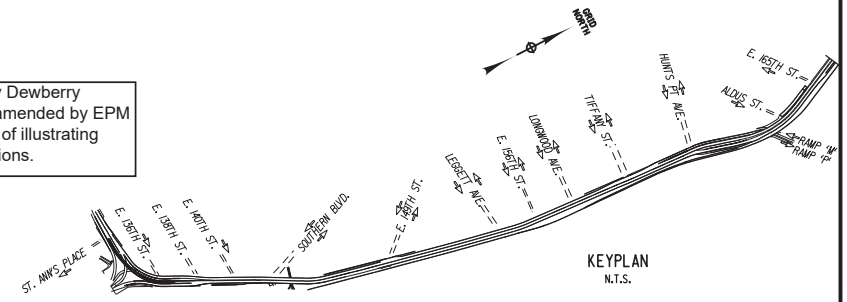
SPALLED OVERLAY

Sample Location Map

Above deck sample
Under deck sample

ITEM NO.	DESCRIPTION
402.76020008	CLEANING AND SEALING CRACKS IN HOT MIX ASPHALT PAVEMENT USING HOT APPLIED SEALANT
567.51000009	SEALING EXISTING BRIDGE JOINTS
584.14000016	RAPID HARDENING CONCRETE FOR BRIDGE AND APPROACH SLAB REPAIRS
588.01010309	REHABILITATION OF BRIDGE JOINT SYSTEM, JOINT WIDTH < 2 INCHES, REPLACE A JOINT HEADER WITH ELASTOMERIC CONCRETE

Drawing provided by Dewberry Engineers Inc, and amended by EPM for the sole purpose of illustrating ACM sampling locations.



KEYPLAN
N.T.S.

AFFIX SEAL: ON:	ALTERED BY: ON:

Dewberry
DEWBERRY ENGINEERS INC.

Environmental Planning and Management Inc. (EPM) May, 2013

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

COUNTY: BRONX

PIN XM12.53

BRIDGES
BIN 1066669

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BE-1 SAMPLE LOCATIONS -1 SPANS 1 - 19

2781 OVER BRUCKNER BLVD

CONTRACT NUMBER D030694

DRAWING NO. BE1-S1

SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 11

DOCUMENT NAME:

DESIGN SUPERVISOR AK | JOB MANAGER MPA | DESIGN DMK/VJ | CHECK KLL | DRAFTING CC | CHECK VJ | PROJECT MANAGER MPA

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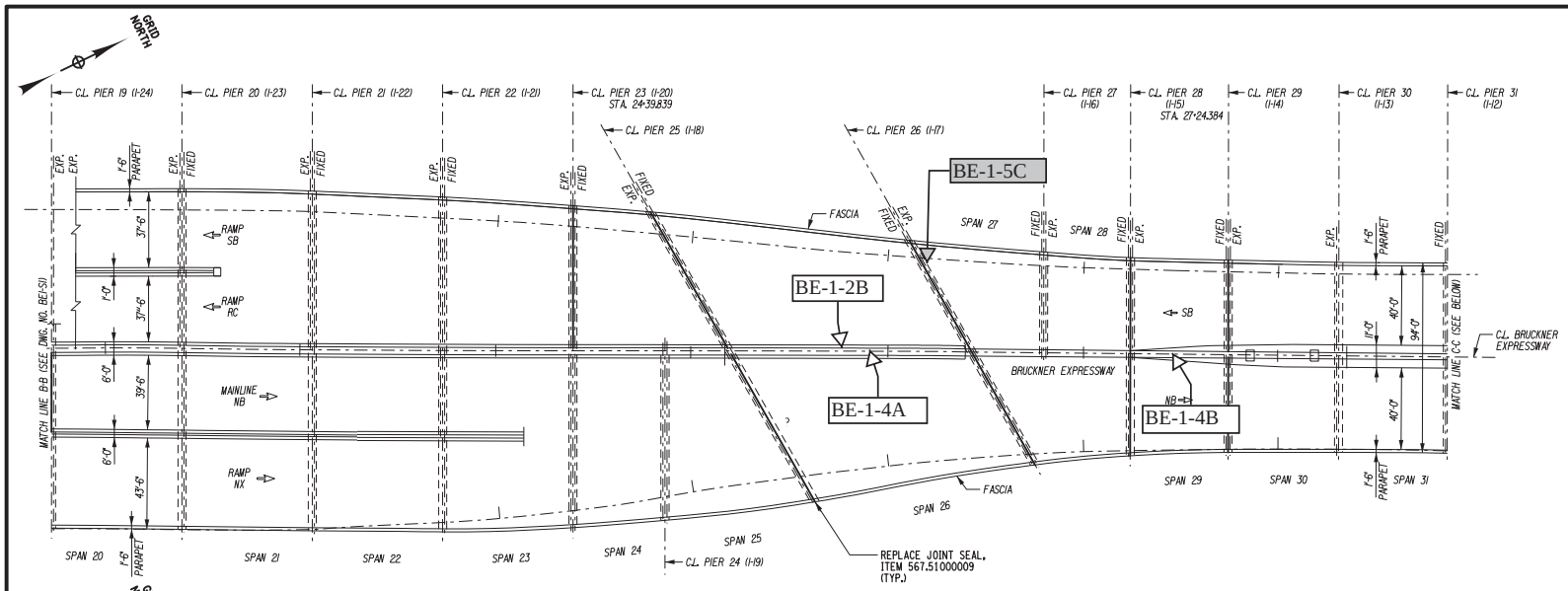
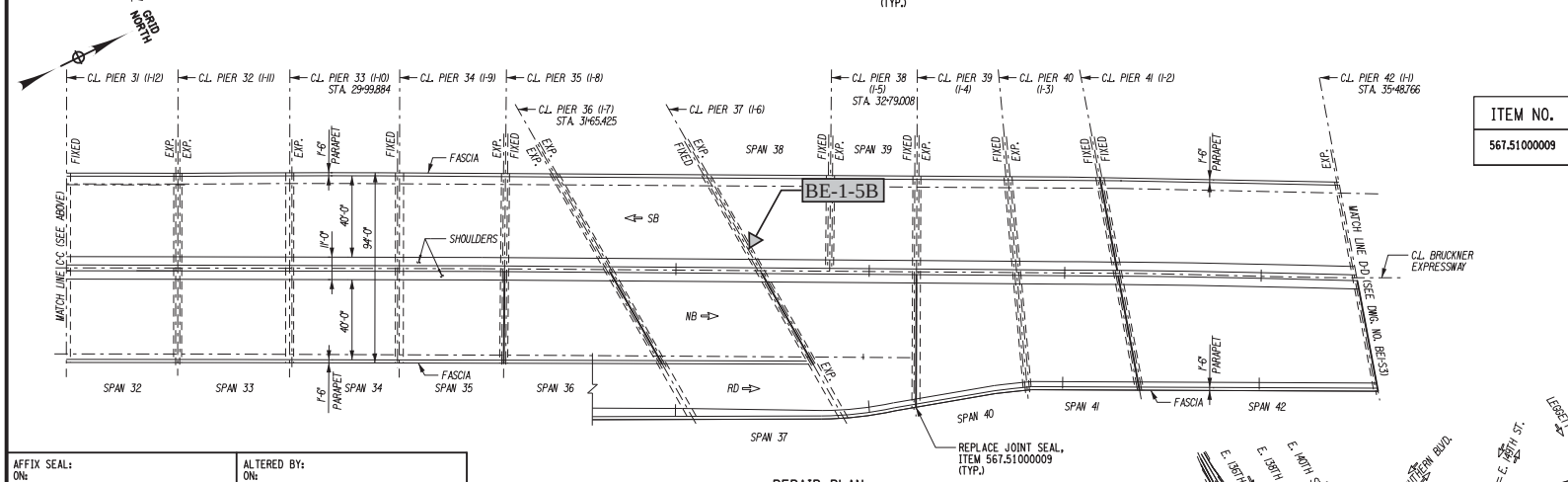
DATE/TIME = 29/03/2013 10:31:10 AM
USER = dkerr





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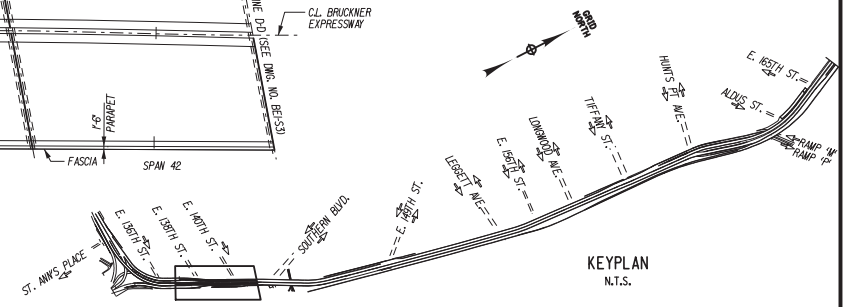
Sample Location Map

- Above deck sample
- Under deck sample

Drawing provided by Dewberry Engineers Inc, and amended by EPM for the sole purpose of illustrating ACM sampling locations.

ITEM NO.	DESCRIPTION
567.51000009	SEALING EXISTING BRIDGE JOINTS

REPAIR PLAN
SCALE: 1 = 60'-0"



KEYPLAN
N.T.S.

Dewberry®
DEWBERRY ENGINEERS INC.

Environmental Planning and Management Inc. (EPM) May, 2013

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

COUNTY: BRONX

PIN XM12.53 | BRIDGES BIN 1066669 | CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BE-1 SAMPLE LOCATIONS -2 SPANS 20- 42

2781 OVER BRUCKNER BLVD

CONTRACT NUMBER D030694

DRAWING NO. BE1-S2

SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 11

DOCUMENT NAME:

DESIGN SUPERVISOR AK | JOB MANAGER MPA | DESIGN DMK/VJ | CHECK KLL | DRAFTING CC | CHECK VJ | PROJECT MANAGER MPA

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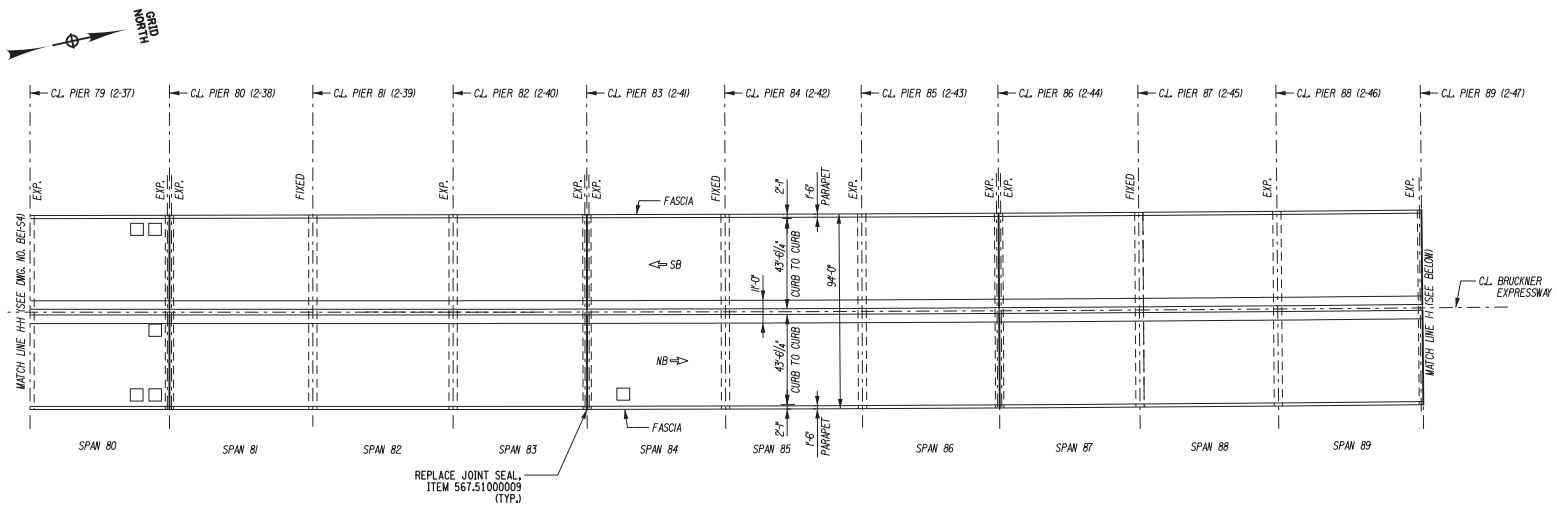

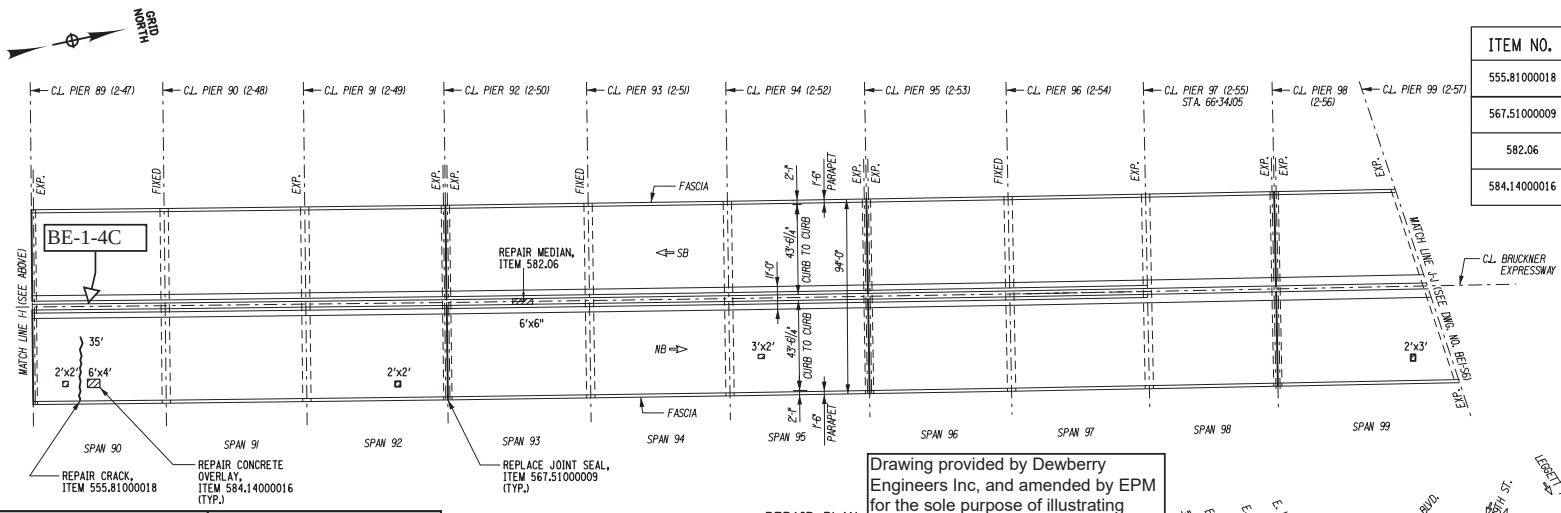

REPAIR PLAN
SCALE: 1 = 60'-0"

Drawing provided by Dewberry Engineers Inc, and amended by EPM for the sole purpose of illustrating ACM sampling locations.

NOTES:

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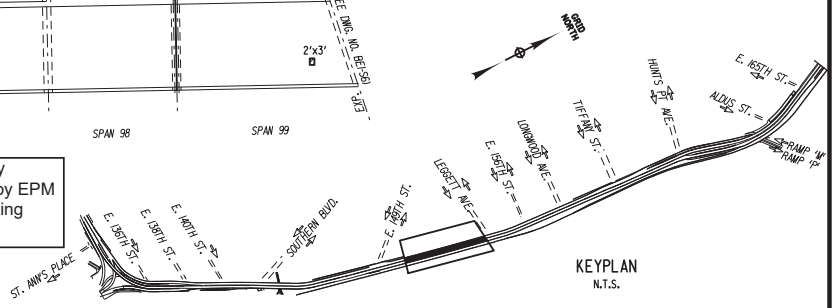
REFERENCES:

1. FOR TYPICAL SPALL REPAIR DETAILS, SEE DWG. NO. ____.

LEGEND:

- L' — CRACK - L' LONG
- SPALLED MEDIAN/PARAPET
- SPALLED OVERLAY

ITEM NO.	DESCRIPTION
555.81000018	STRUCTURAL CRACK SEALING
567.51000009	SEALING EXISTING BRIDGE JOINTS
582.06	REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH CLASS D CONCRETE
584.14000016	RAPID HARDENING CONCRETE FOR BRIDGE AND APPROACH SLAB REPAIRS



KEYPLAN
N.T.S.

AFFIX SEAL: ON:

ALTERED BY: ON:

Sample Location Map

- Above deck sample
- Under deck sample

Dewberry
DEWBERRY ENGINEERS INC.

Environmental Planning and Management Inc. (EPM) May, 2013

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

COUNTY: BRONX

PIN XM12.53

BRIDGES
BIN 1066660

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BE-1 SAMPLE LOCATIONS -3 SPANS 80- 99

2781 OVER BRUCKNER BLVD

CONTRACT NUMBER D030694

DRAWING NO. BE1-S5

SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 11

DOCUMENT NAME:

DESIGN SUPERVISOR AK | JOB MANAGER MPA | DESIGN DMK/VJ | CHECK KLL | DRAFTING CC | CHECK VJ | PROJECT MANAGER MPA

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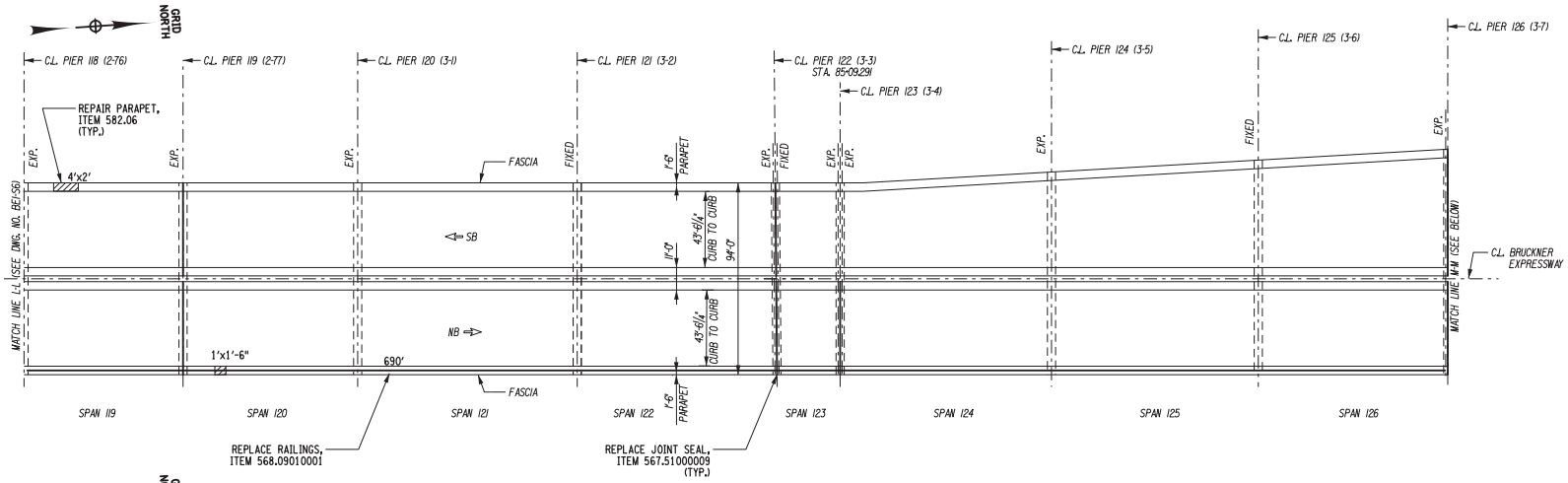
USER = dkerr



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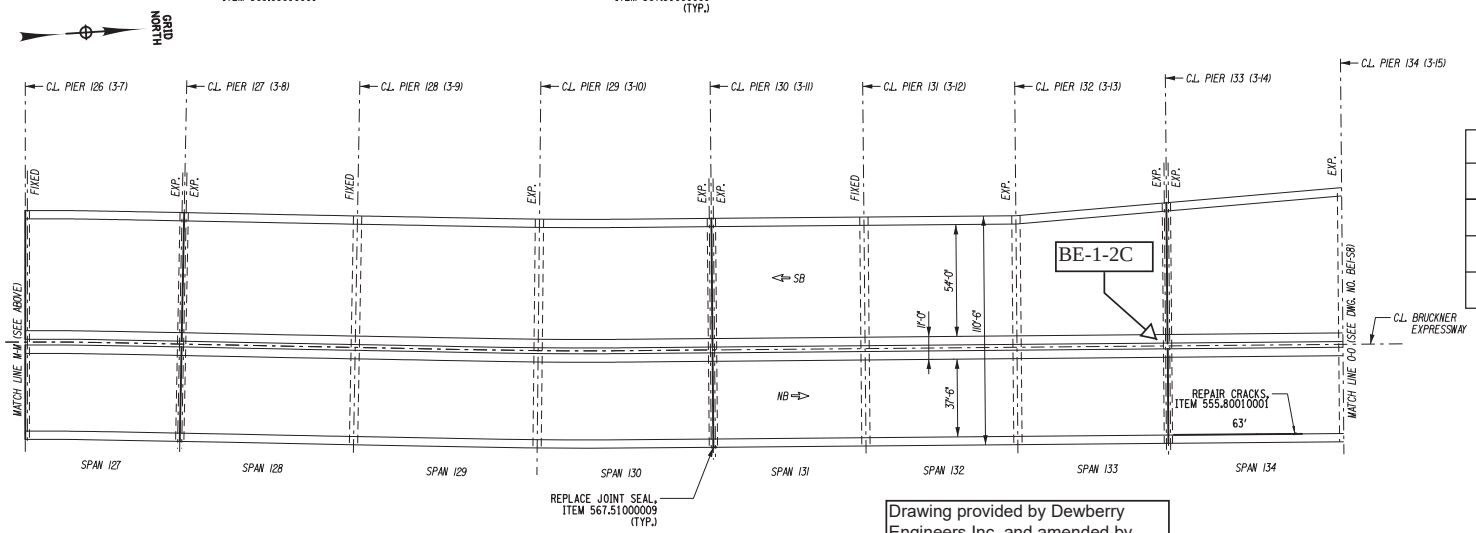
REFERENCES:

1. FOR TYPICAL CRACK REPAIR DETAILS, SEE DWG. NO. ____.
2. FOR TYPICAL SPALL REPAIR DETAILS, SEE DWG. NO. ____.

LEGEND:

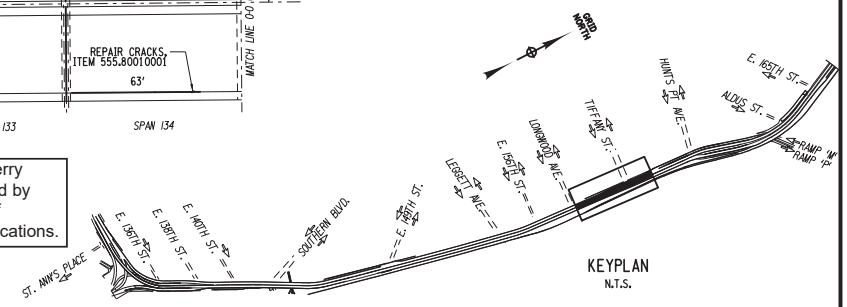
SPALLED MEDIAN/PARAPET



ITEM NO.	DESCRIPTION
555.80010001	CRACK REPAIR BY EPOXY INJECTION (PREVENTION)
567.51000009	SEALING EXISTING BRIDGE JOINTS
568.09010001	STEEL BRIDGE RAILING (ONE RAIL) MODIFIED
582.06	REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH CLASS D CONCRETE

REPAIR PLAN
SCALE: 1 = 60'-0"

Drawing provided by Dewberry Engineers Inc, and amended by EPM for the sole purpose of illustrating ACM sampling locations.



KEYPLAN
N.T.S.

AFFIX SEAL: ON:
ALTERED BY: ON:

Sample Location Map

- Above deck sample
- Under deck sample

Dewberry
DEWBERRY ENGINEERS INC.

Environmental Planning and Management Inc. (EPM) May, 2013

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

COUNTY: BRONX

PIN XM12.53

BRIDGES BIN 1066669

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BE-1 SAMPLE LOCATIONS -4 SPANS 119-134

2781 OVER BRUCKNER BLVD

CONTRACT NUMBER D030694

DRAWING NO. BE1-S7

SHEET NO.

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NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 11

DOCUMENT NAME:

PROJECT MANAGER MPA | CHECK VJ | DRAFTING CC | CHECK KLL | DESIGN DMK/VJ | JOB MANAGER MPA | DESIGN SUPERVISOR AK

FILE NAME = D030694_cpb_gen_BE1-1066669-S7 span 119-134.dgn
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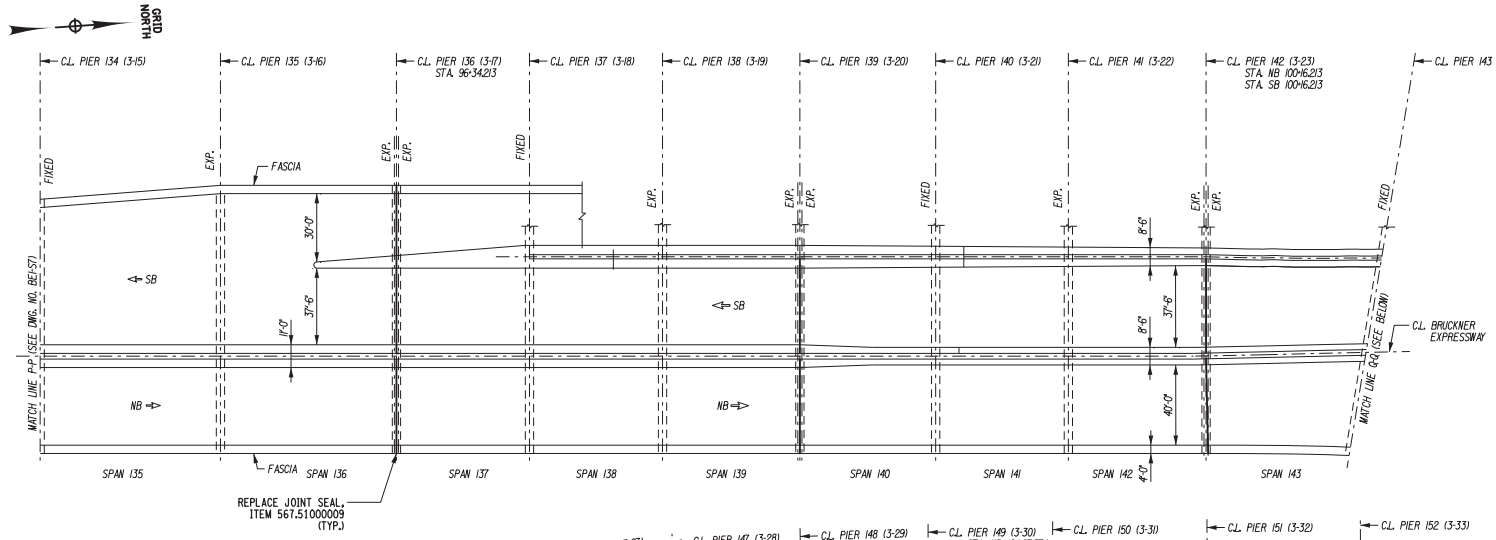
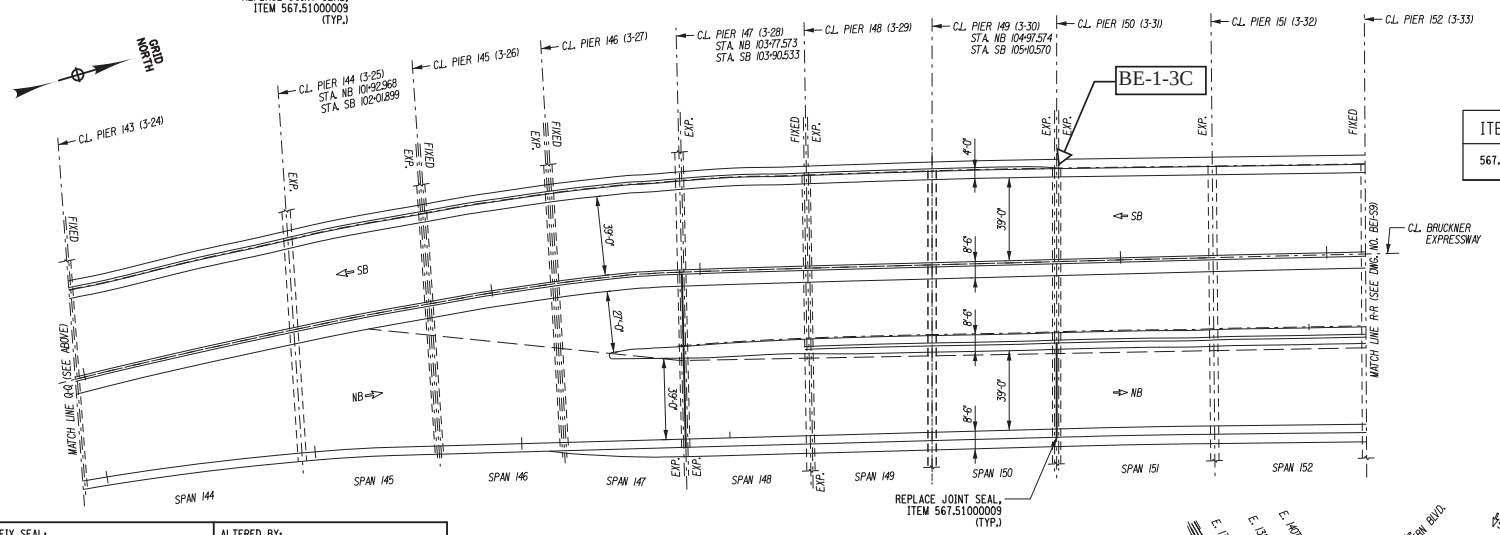
USER = dkerr





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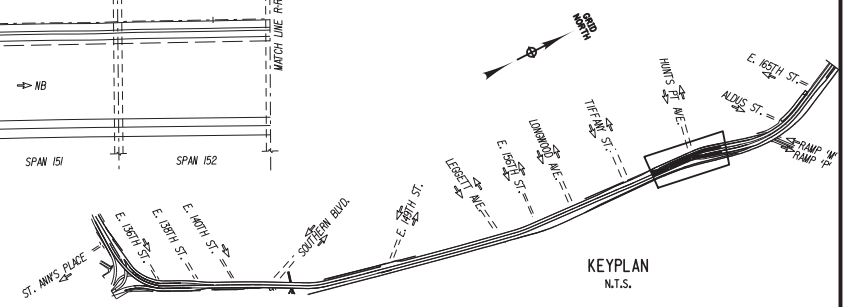
2. STATIONS AT C.L. OF PIERS, SPANS, AND PIER NUMBERS AS SHOWN IN THE BRACKETS ( ) ARE BASED ON THE EXISTING OR AS-BUILT PLANS DATED DEC. 29 1992, I-278 BRUCKNER EXPRESSWAY AND RAMPS REHABILITATION AT SHERIDAN INTERCHANGE, CONTRACT NO. D254615, PIN X730.28, SHEETS 39 TO 42.

Sample Location Map

- Above deck sample
- Under deck sample

ITEM NO.	DESCRIPTION
567.51000009	SEALING EXISTING BRIDGE JOINTS

Drawing provided by Dewberry Engineers Inc, and amended by EPM for the sole purpose of illustrating ACM sampling locations.



KEYPLAN
N.T.S.

REPAIR PLAN
SCALE: 1 = 60'-0"

Dewberry
DEWBERRY ENGINEERS INC.

Environmental Planning and Management Inc. (EPM) May, 2013

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

COUNTY: BRONX

PIN XM12.53

BRIDGES
BIN 1066669

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BE-1 SAMPLE LOCATIONS -5 SPANS 135- 152

2781 OVER BRUCKNER BLVD

CONTRACT NUMBER
D030694

DRAWING NO. BE1-S8

SHEET NO.

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NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 11

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FILE NAME = D030694_cpb_gen_BE1-1066669-S8 span 135-152.dgn
DATE/TIME = 29/03/2013 10:31:26 AM
USER = dkerr

NOTES:

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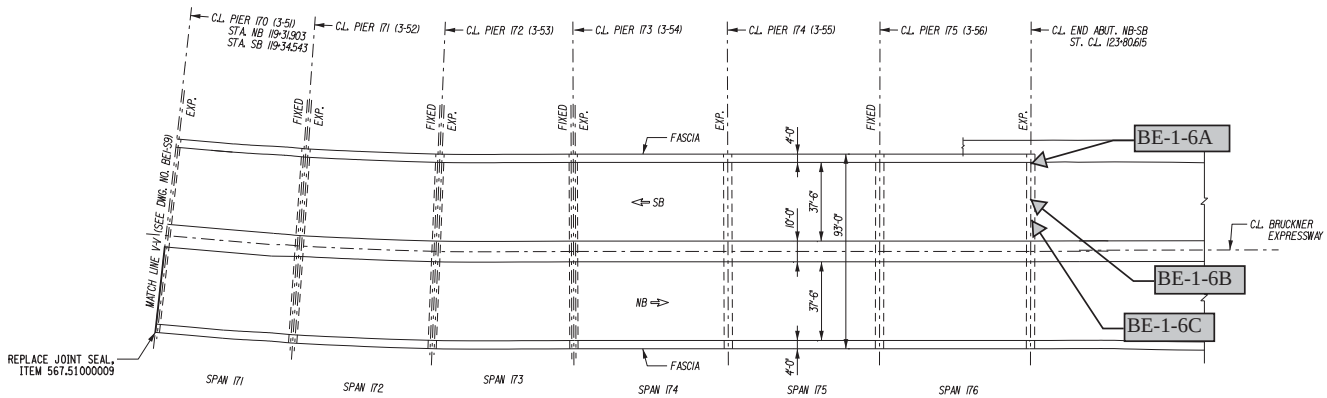


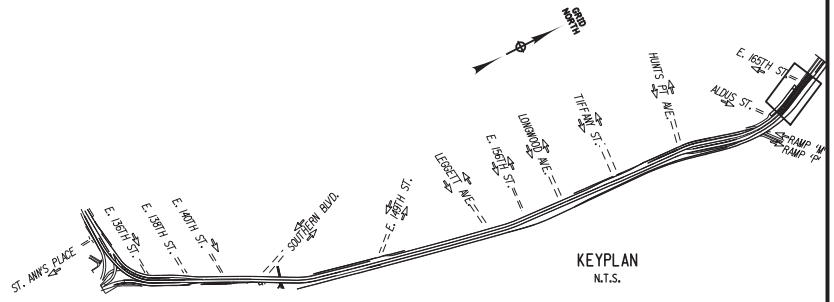
REPAIR PLAN
SCALE: 1 = 60'-0"

Sample Location Map

Above deck sample
Under deck sample

ITEM NO.	DESCRIPTION
567.51000009	SEALING EXISTING BRIDGE JOINTS

Drawing provided by Dewberry Engineers Inc, and amended by EPM for the sole purpose of illustrating ACM sampling locations.



KEYPLAN
N.T.S.

AFFIX SEAL: ON:	ALTERED BY: ON:

Dewberry
DEWBERRY ENGINEERS INC.

Environmental Planning and Management Inc. (EPM) May, 2013

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

COUNTY: BRONX

PIN XM12.53

BRIDGES BIN 1066669

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BE-1 SAMPLE LOCATIONS -6 SPANS 171- 176

2781 OVER BRUCKNER BLVD

CONTRACT NUMBER D030694

DRAWING NO. BE1-S10

SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 11

DOCUMENT NAME:

DESIGN SUPERVISOR AK | JOB MANAGER MPA | DESIGN DMK/VJ | CHECK KLL | DRAFTING CC | CHECK VJ | PROJECT MANAGER MPA

FILE NAME = D030694_cpb_gen_BE1-1066669-S10 span 171-176.dgn
DATE/TIME = 29/03/2013 10:31:31 AM
USER = dkerr

alpha Labs
14-26 28th Avenue Long Island City, NY 11102
Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management, 1983 Marcus Ave.-Suite 109, Lake Success, NY 11042
BUILDING ADDRESS: NYSDOT-Dewberry Engineers- **BIN: 1075310 (BR-4),** At Bryant Ave. over. Brukner Blvd. SB
PROJECT: 29062

PROJECT: Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Fibrous	% Non-Fibrous	ASBESTOS % & Type	ASBESTOS % & Type
BR-4-1A 13-04-048-1	Bearing pad material-black	West (end) abutment, east bearing	Brown/black Homogeneous NOB	86.8	10.9	2.3	20% SYNT	80%	NAD Inconclusive	NAD
BR-4-1B 13-04-048-2	Bearing pad material-black	West (end) abutment, west bearing	Brown/black Homogeneous NOB	86.6	10.3	3.1	20% SYNT	80%	NAD Inconclusive	NAD
BR-4-1C 13-04-048-3	Bearing pad material-black	East (begin) abutment, north bearing	Brown/black Homogeneous NOB	86.1	10.4	3.5	20% SYNT	80%	NAD Inconclusive	NAD
BR-4-3A 13-04-048-4	Caulk-gray	Top of deck, end abutment joint, east side	Gray Homogeneous NOB	39.3	17.2	43.5	0%	100%	NAD Inconclusive	NAD
BR-4-3B 13-04-048-5	Caulk-gray	Top of deck, pier joint	Gray Homogeneous NOB	27.2	35.4	37.5	0%	100%	NAD Inconclusive	NAD
BR-4-3C 13-04-048-6	Caulk-gray	Top of deck, pier joint, top of eastern stairs	Gray Homogeneous NOB	24.1	58.2	17.7	0%	100%	NAD Inconclusive	NAD
BR-4-5A 13-04-048-7	Caulk-dark gray	Top of deck, base of steel parapet ribs, N. parapet near center	Dark gray Homogeneous NOB	72.6	18.2	9.2	0%	100%	NAD Inconclusive	NAD
BR-4-5B 13-04-048-8	Caulk-dark gray	Top of deck, base of steel parapet ribs, S. parapet near center	Dark gray Homogeneous NOB	75.4	19.5	5.1	0%	100%	NAD Inconclusive	NAD
BR-4-5C 13-04-048-9	Caulk-dark gray	Top of deck, base of steel parapet ribs, N. parapet east end	Dark gray Homogeneous NOB	67.1	15.2	17.7	0%	100%	NAD Inconclusive	NAD
BR-4-6A 13-04-048-10	Caulk-light gray	Top of deck, base of steel parapet ribs, N. parapet near center	Lt.gray Homogeneous NOB	48.1	25.8	26.1	0%	100%	NAD Inconclusive	NAD
BR-4-6B 13-04-048-11	Caulk-light gray	Top of deck, base of steel parapet ribs, N. parapet near center	Lt.gray Homogeneous NOB	44.4	27.4	28.2	0%	100%	NAD Inconclusive	NAD
BR-4-6C 13-04-048-12	Caulk-light gray	Top of deck, base of steel parapet ribs, S. parapet east end	Lt.gray Homogeneous NOB	50.6	27.9	21.5	0%	100%	NAD Inconclusive	NAD

14-26 28th Avenue Long Island City, NY 11102
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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management, 1983 Marcus Ave.-Suite 109, Lake Success, NY 11042
BUILDING ADDRESS: NYSDOT-Dewberry Engineers- **BIN: 1075310 (BR-4),** At Bryant Ave. over. Brukner Blvd. SB
PROJECT: 29062

Date Received: 4/12/13
Date of PLM Analysis: 4/15/13
Date of TEM Analysis: 4/15/13
Date of Report: 4/16/13

PLM Analyst: B.Stojanowska-Luft
TEM Analyst: A. Ansari

Analyst: B.Stojanowska-Luft
B.Stojanowska-Luft

QC Review / Date: 4/19/13
D. Molohides, Lab Director

NAD = No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 1%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable sample, which includes the identification and quantitation of vermiculite) and protocol 198.6 (NOB samples), Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim endorsement by NVLAP or any agency of the US Government. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(April 1, 2013)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

BULK SAMPLE FORM

13-04-48

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
EPM
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

Turn Around: 72 HRS

SEND ALL RESULTS BY PDF EMAIL TO, ATTENTION OF:
maprahamian@epmco.com; dfrank@epmco.com

FOLLOW-UP ALL FAXES WITH HARDCOPY BY MAIL TO EPM

SHIPPED BY: Overnight

PROJECT INFORMATION

CLIENT : NYSDOT/ Dewberry Engineers

EPM # : 29062 DATE : 4/12/2013

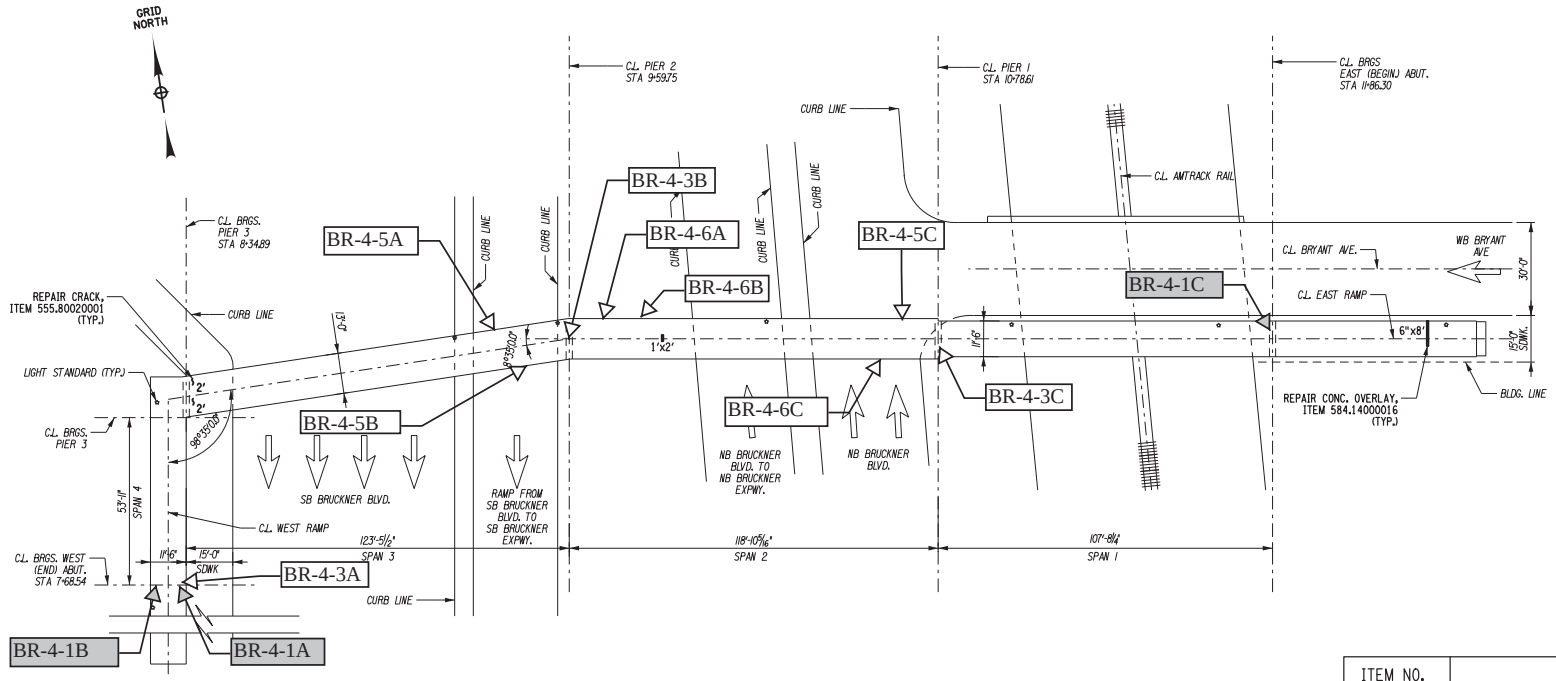
Location:BIN 1075310 (BR-4), At Bryant ave over Brukner Blvd SB

Layered analysis by PLM until 1st positive and STOP! If negative by PLM and NOB analyze by TEM until 1st positive and STOP.

SAMPLE NUMBER	DATE	SAMPLE LOCATION	MATERIAL DESCRIPTION
BR-4 1A	11/14/2012	West (end) abutment, east bearing	Bearing pad material- black
BR-4 1B		West (end) abutment, west bearing	Bearing pad material- black
BR-4 1C		East (begin) abutment, north bearing	Bearing pad material- black
BR-4 3A		Top of deck, end abutment joint, east side	Caulk-gray
BR-4 3B		Top of deck, pier joint	Caulk-gray
BR-4 3C		Top of deck, pier joint, top of eastern stairs	Caulk-gray
BR-4 5A		Top of deck, base of steel parapet ribs,north parapet near center	Caulk- dark gray
BR-4 5B		Top of deck, base of steel parapet ribs,south parapet near center	Caulk- dark gray
BR-4 5C		Top of deck, base of steel parapet ribs, north parapet east end	Caulk- dark gray
BR-4 6A		Top of deck, base of steel parapet ribs,north parapet near center	Caulk- light gray
BR-4 6B		Top of deck, base of steel parapet ribs, north parapet near center	Caulk- light gray
BR-4 6C		Top of deck, base of steel parapet ribs, south parapet east end	Caulk- light gray

Sampler's Relinquishment Signature / Date / Time:
4/12/13 17:00

Lab Receipt Signature / Date / Time:
L. Tchorewski 4/12/13 6:20PM



GENERAL PLAN

SCALE: 1" = 40'-0"

NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO WORK. THE DIMENSIONS SHOWN ON THIS DRAWING ARE BASED ON EXISTING DRAWINGS. ANY DISCREPANCY IN THE DIMENSIONS SHALL BE MADE KNOWN TO THE ENGINEER IMMEDIATELY.
2. UNLESS OTHERWISE NOTED, THE EXISTING CRACKS TO BE REPAIRED SHALL BE CONSIDERED AT LEAST 1/8" WIDE.
3. STATION AT C.L. OF PIER, SPAN AND PIER NUMBERS AS SHOWN ARE BASED ON THE EXISTING OR AS-BUILT PLAN DATED AUG. 5TH 1995, UNDER CONTRACT NO. D256830, P.I.N. XM9553.

REFERENCES:

1. XXX

LEGEND:

SPALLED CONCRETE

L' CRACK - L' LONG

ITEM NO.	DESCRIPTION
555.80020001	CRACK REPAIR BY EPOXY INJECTION (RESTORATION)
584.14000016	RAPID HARDENING CONCRETE FOR BRIDGE AND APPROACH SLAB REPAIRS

PROGRESS PRINT

Sample Location Map

Above deck sample
Under deck sample

Drawing provided by Dewberry Engineers Inc., and amended by EPM for the sole purpose of illustrating ACM sampling locations.

Dewberry®
DEWBERRY ENGINEERS INC.

Environmental Planning and Management Inc. (EPM) April, 2013

AFFIX SEAL: ON:

ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

COUNTY: BRONX

PIN XM12.53

BRIDGES BIN 1075310

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BR-4 SAMPLE LOCATIONS

PEDESTRIAN BRIDGE AT BRYANT AVENUE OVER BRUCKNER BOULEVARD SB

CONTRACT NUMBER D030694

DRAWING NO. BR4-S1

SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 11

DOCUMENT NAME:

DESIGN SUPERVISOR AK | JOB MANAGER MPA | DESIGN DMK/VJ | CHECK KLL | DRAFTING TYP | CHECK VJ | PROJECT MANAGER MPA

FILE NAME = D030694_cpb_gen_BR4-1075310-S1.dgn
DATE/TIME = 30/11/2012 3:57:27 PM
USER = tpierre

14-26 28th Avenue Long Island City, NY 11102
Tel.: (718) 482-7525 Fax: (718) 482-7524 www.alphalabsllc.com

BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management, 1983 Marcus Ave.-Suite 109, Lake Success, NY 11042
BUILDING ADDRESS: NYSDOT-Dewberry Engineers- **BIN: 107581A** (BE-14), 278I over Relief
PROJECT: 29062

PROJECT: Client Sample ID# Lab Sample ID#	Sample Description	Sample Location	Appearance	GRAVIMETRIC PREPARATION			PLM			TEM
				% Ashed Organic Component	% Acid Soluble Inorganic Component	% Acid Insoluble Inorganic Component	% Fibrous	% Non-Fibrous	ASBESTOS % & Type	ASBESTOS % & Type
BE-14-1A 13-04-054-1	Bondbreaker/ slipsheet- brown	West (end) abutment back wall and deck, south center	Brown/black Homogeneous Friable	Not Applicable			30% CELL	33.6%	**36.4% CH**	
BE-14-1B 13-04-054-2	Bondbreaker/ slipsheet- brown	Pier 3 between cap beam and deck slab	Brown/black Homogeneous Friable	Not Applicable					NA/PS	
BE-14-1C 13-04-054-3	Bondbreaker/ slipsheet- brown	West abutment, top of backwall, North center	Brown/black Homogeneous Friable	Not Applicable					NA/PS	
BE-14-2A 13-04-054-4	Tar paper- black	Pier 3 on underside of cap beam	Black Homogeneous NOB	19.9	17.7	62.4	30% CELL	45%	**25% CH**	
BE-14-2B 13-04-054-5	Tar paper- black	Pier 6 on underside of cap beam	Black Homogeneous NOB	72.2	20.3	7.4			NA/PS	
BE-14-2C 13-04-054-6	Tar paper- black	East (begin) abutment on underside of cap beam	Black Homogeneous NOB	9.5	32.0	58.5			NA/PS	
BE-14-3A 13-04-054-7	Joint filler material- black	Longitudinal joint, under deck at pier 3	Black Homogeneous NOB	91.1	6.8	2.1	0%	100%	**NAD** Inconclusive	**NAD**
BE-14-3B 13-04-054-8	Joint filler material- black	Longitudinal joint, under deck at pier 4	Black Homogeneous NOB	88.2	10.6	1.2	0%	100%	**NAD** Inconclusive	**NAD**
BE-14-3C 13-04-054-9	Joint filler material- black	Longitudinal joint, under deck at east abutment	Black Homogeneous NOB	84.8	7.5	7.7	0%	100%	**NAD** Inconclusive	**NAD**
BE-14-4A 13-04-054-10	Bondbreaker/ slipsheet- white	East (begin) abutment, btwn. cap beam & deck, S. side	Lt.gray Homogeneous Friable	Not Applicable			30% CELL	30%	**40% CH**	
BE-14-4B 13-04-054-11	Bondbreaker/ slipsheet- white	East (begin) abutment, btwn. cap beam & deck, center	Lt.gray Homogeneous Friable	Not Applicable					NA/PS	
BE-14-4C 13-04-054-12	Bondbreaker/ slipsheet- white	East (begin) abutment, btwn. cap beam & deck, N. side	Lt.gray Homogeneous Friable	Not Applicable					NA/PS	

14-26 28th Avenue Long Island City, NY 11102
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BULK SAMPLE ANALYSIS REPORT

CLIENT: Environmental Planning & Management, 1983 Marcus Ave.-Suite 109, Lake Success, NY 11042
BUILDING ADDRESS: NYSDOT-Dewberry Engineers- **BIN: 107581A** (BE-14), 278I over Relief

Date Received: 4/12/13
Date of PLM Analysis: 4/15/13
Date of TEM Analysis: 4/15/13
Date of Report: 4/16/13

PLM Analyst: B.Stojanowska-Luft
TEM Analyst: A. Ansari

Analyst: B.Stojanowska-Luft
B.Stojanowska-Luft

QC Review / Date: 4/19/13
D. Molohides, Lab Director

NAD = No Asbestos Detected; NA/PS = Not Analyzed / Positive Stop; Trace = < 1%, CH = Chrysotile, AMO = Amosite, CRO = Crocidolite, ANTH = Anthophyllite, TRE = Tremolite, ACT = Actinolite, FBGL = Fiberglass, CELL = Cellulose. Polarized Light Microscopy (PLM) analysis of samples is performed by Method EPA 600/M4-82-020 and ELAP PLM Analysis Protocol 198.1 (friable sample, which includes the identification and quantitation of vermiculite) and protocol 198.6 (NOB samples), Transmission Electron Microscopy (TEM) analysis of samples is performed by Method ELAP TEM Analysis Protocol 198.4. Analytical equipments: Stereobinocular microscopes: Professional Bin (PM #1), Carlsan (Ser# 011418); Polarized Light Microscopes: Olympus BH-2 (Ser #: 214335), Olympus BH-2 (Ser #: 236532). PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing. Samples will be stored for sixty (60) days and then returned to the client upon request. The results relate only to the items calibrated or tested. This report may not be reproduced, except in full, without the written approval of Alpha Labs LLC. The report must not be used by the client to claim endorsement by NVLAP or any agency of the US Government. The liability of Alpha Labs LLC with respect to the services charged shall in no event exceed the amount of the invoice. **(April 1, 2013)**

NYS-DOH ELAP # 11833 **NVLAP Lab Code: 200691-0**

BULK SAMPLE FORM

13-04-54

ENVIRONMENTAL PLANNING & MANAGEMENT, INC.
1983 Marcus Avenue, Suite 109
Lake Success, New York 11042
(516) 328- 1194 Fax (516) 328-1381

Turn Around: 72 HRS

SEND ALL RESULTS BY PDF EMAIL TO, ATTENTION OF:
maprahamian@epmco.com; dfrank@epmco.com

FOLLOW-UP ALL FAXES WITH HARDCOPY BY MAIL TO EPM

SHIPPED BY: Overnight

PROJECT INFORMATION

CLIENT : NYSDOT/ Dewberry Engineers

EPM # : 29062 DATE : 4/12/2013

Location: BIN 107581A (BE-14), 278I over Relief

Layered analysis by PLM until 1st positive and STOP! If negative by PLM and NOB analyze by TEM until 1st positive and STOP.

SAMPLE NUMBER	DATE	SAMPLE LOCATION	MATERIAL DESCRIPTION
BE-14 1A	11/15/2012	West (end) abutment between back wall and deck, south center	Bondbreaker/slipsheet- brown
BE-14 1B		Pier 3 between cap beam and deck slab	Bondbreaker/slipsheet- brown
BE-14 1C		West abutment, top of backwall, north center	Bondbreaker/slipsheet- brown
BE-14 2A		Pier 3 on underside of cap beam	Tar paper - black
BE-14 2B		Pier 6 on underside of cap beam	Tar paper - black
BE-14 2C		East (begin) abutment on underside of cap beam	Tar paper - black
BE-14 3A		Longitudinal joint, under deck at pier 3	Joint filler material - black
BE-14 3B		Longitudinal joint, under deck at pier 4	Joint filler material - black
BE-14 3C		Longitudinal joint, under deck at east abutment	Joint filler material - black
BE-14 4A		East (begin) abutment, betweem cap beam and deck, south side	Bondbreaker/slipsheet- white
BE-14 4B		East (begin) abutment, betweem cap beam and deck, center	Bondbreaker/slipsheet- white
BE-14 4C		East (begin) abutment, betweem cap beam and deck, north side	Bondbreaker/slipsheet- white

Sampler's Relinquishment Signature / Date / Time: 4/12/13 1720

Lab Receipt Signature / Date / Time: L. Chorzewski 4/12/13 6:20pm

NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO WORK. THE DIMENSIONS SHOWN ON THIS DRAWING ARE BASED ON EXISTING DRAWINGS PROVIDED BY NYSDOT. ANY DISCREPANCY IN THE DIMENSIONS SHALL BE MADE KNOWN TO THE ENGINEER IMMEDIATELY.

2. PIER NUMBERS AND STATIONS AS SHOWN IN THE BRACKETS ( ) ARE BASED ON THE EXISTING OR AS-BUILT PLANS DATED DECEMBER 1965, CONTRACT NO. 6.

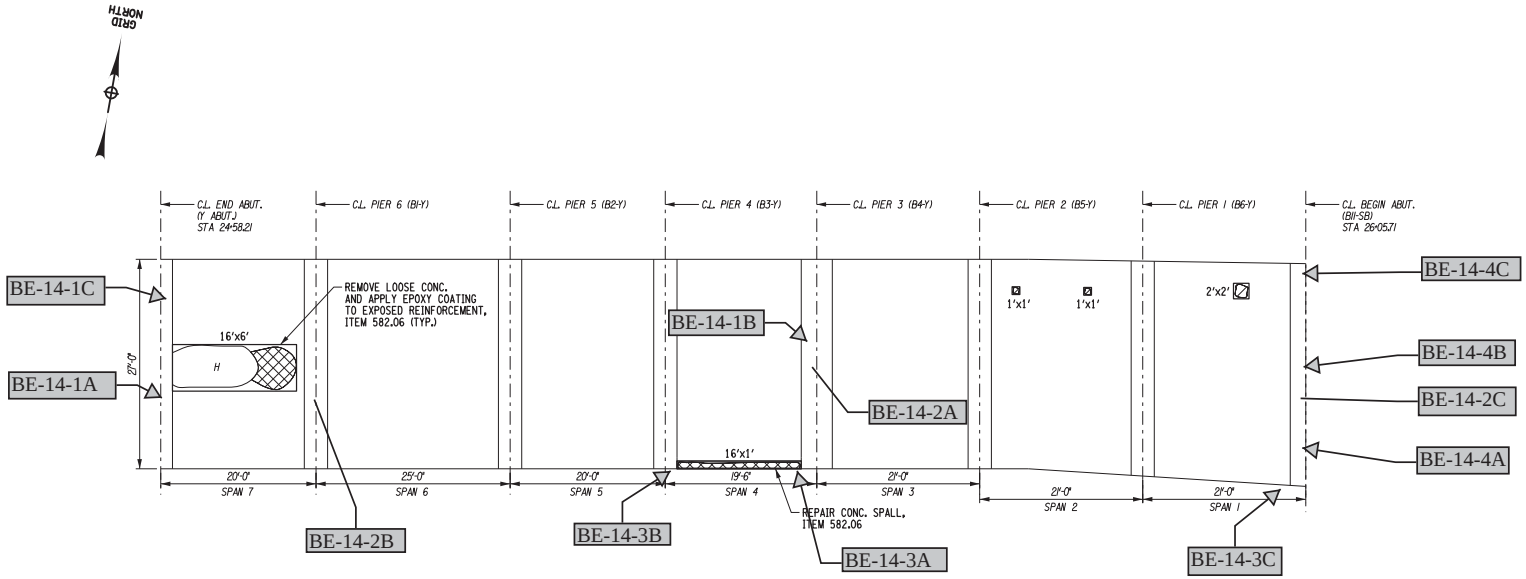
REFERENCES:

1. XXX.

LEGEND:

SPALLED CONCRETE WITH EXPOSED REINFORCEMENT

HOLLOW CONCRETE



REPAIR PLAN - UNDERDECK

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

ITEM NO.	DESCRIPTION
582.06	REMOVAL OF STRUCTURAL CONCRETE - REPLACEMENT WITH CLASS D CONCRETE

Sample Location Map

Above deck sample

Under deck sample

Drawing provided by Dewberry Engineers Inc., and amended by EPM for the sole purpose of illustrating ACM sampling locations.

PROGRESS PRINT

AFFIX SEAL: ON:	ALTERED BY: ON:

Dewberry®
DEWBERRY ENGINEERS INC.

Environmental Planning and Management Inc. (EPM) April, 2013

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

COUNTY: BRONX

PIN XM12.53

BRIDGES BIN 107581A

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BE-14 SAMPLE LOCATIONS

BRUCKNER EXPRESSWAY OVER RELIEF

CONTRACT NUMBER D030694

DRAWING NO. BE14-S2

SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 11

DOCUMENT NAME:

PROJECT MANAGER MPA
CHECK BL
DRAFTING BL
CHECK KLL
DESIGN BBS
JOB MANAGER MPA
DESIGN SUPERVISOR AK

FILE NAME = D030694.cpb.slb.sup.BE14-107581A-S2.dgn
DATE/TIME = 16/11/2012 3:44:46 PM
USER = dkerr

PS 75 PROPERTY ACCESS AND COORDINATION

GRID NORTH

FACE OF BUILDING

SCAFFOLDING ALONG FENCE

SCHOOL YARD

SCHOOL BUILDING

50'+/-

EXISTING SCAFFOLDING

FAILE ST

BRYANT AVE

PEDESTRIAN BRIDGE

WB BRUCKNER BLVD

PEDESTRIAN BRIDGE

25 0 25 50'

1"=25'

LEGEND:

EXISTING SCHOOL SCAFFOLDING TO BE IN PLACE FOR 3 YEARS

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BRYANT AVENUE PEDESTRIAN BRIDGE PLAN
EXISTING CONDITION

CONTRACT NUMBER
D900055

DRAWING NO. PBP-1
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
CHECK
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/X73165_PedBP1.dgn [
DATE/TIME = Friday, May 27, 2022 01:31:15 PM
USER = uma.lakshman

GRID NORTH

SCAFFOLDING ALONG FENCE

FACE OF BUILDING

50'+/-

SCHOOL BUILDING

SCHOOL YARD

TEMPORARY CONSTRUCTION FENCE

EXISTING SCAFFOLDING

FAILE ST

BRYANT AVE

20'-0"

20'-0"

REPLACE FENCE IN KIND AS NEEDED

PEDESTRIAN BRIDGE

10'-0"

SEE NOTE 1

14'-6"

14'-6"

10'-0"

SHARED USE LANE

10'-0"

11'-0"

PEDESTRIAN BRIDGE

WB BRUCKNER BLVD

25 0 25 50'

1"=25'

LEGEND:

EXISTING SCHOOL SCAFFOLDING TO BE IN PLACE FOR 3 YEARS

WORK ZONE

NOTE:

1. CONTRACTOR SHALL EXCERCISE CAUTION DURING CONSTRUCTION OF PEDESTRIAN BRIDGE AREAS ADJACENT TO SCHOOL SCAFFOLDING. COORDINATION WITH SCHOOL AUTHORITIES IS REQUIRED.

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BRYANT AVENUE PEDESTRIAN BRIDGE PLAN DURING CONSTRUCTION

CONTRACT NUMBER D900055

DRAWING NO. PBP-2

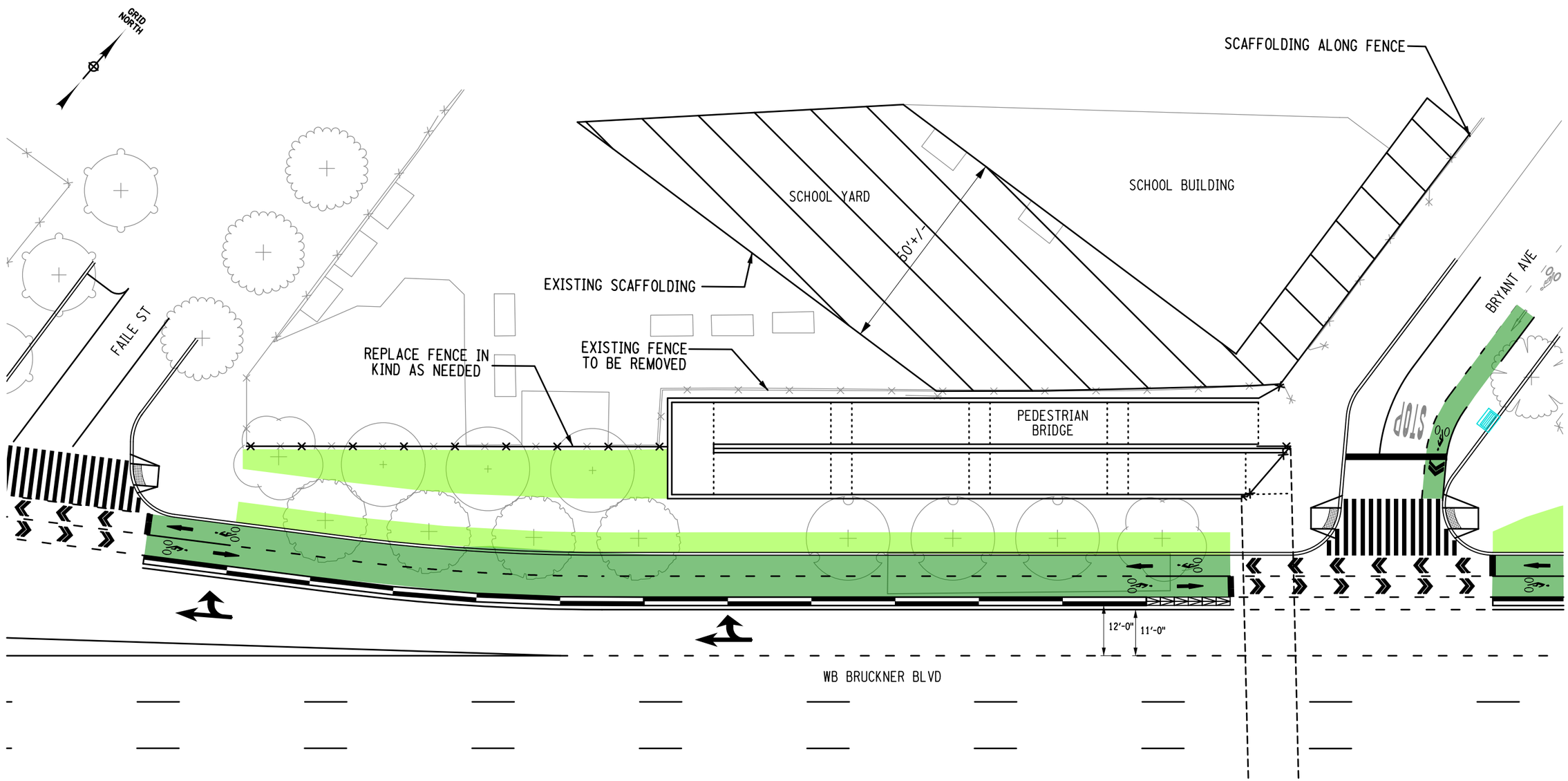
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
CHECK
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw:/../../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/X73165_PedBP2.dgn [
DATE/TIME = Friday, May 27, 2022 01:17:11 PM
USER = uma.lakshman



25 0 25 50'

1"=25'

LEGEND:

EXISTING SCHOOL SCAFFOLDING TO BE IN PLACE FOR 3 YEARS

AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

HUNTS POINT INTERSTATE ACCESS IMPROVEMENT PROJECT
CONTRACT 3
FROM BARRETTO STREET TO WHITLOCK AVE. AND SHERIDAN BLVD.
COUNTY: BRONX REGION: 11

PIN X731.65

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BRYANT AVENUE PEDESTRIAN BRIDGE
PROPOSED CONDITION

CONTRACT NUMBER
D900055

DRAWING NO. PBP-3
SHEET NO.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

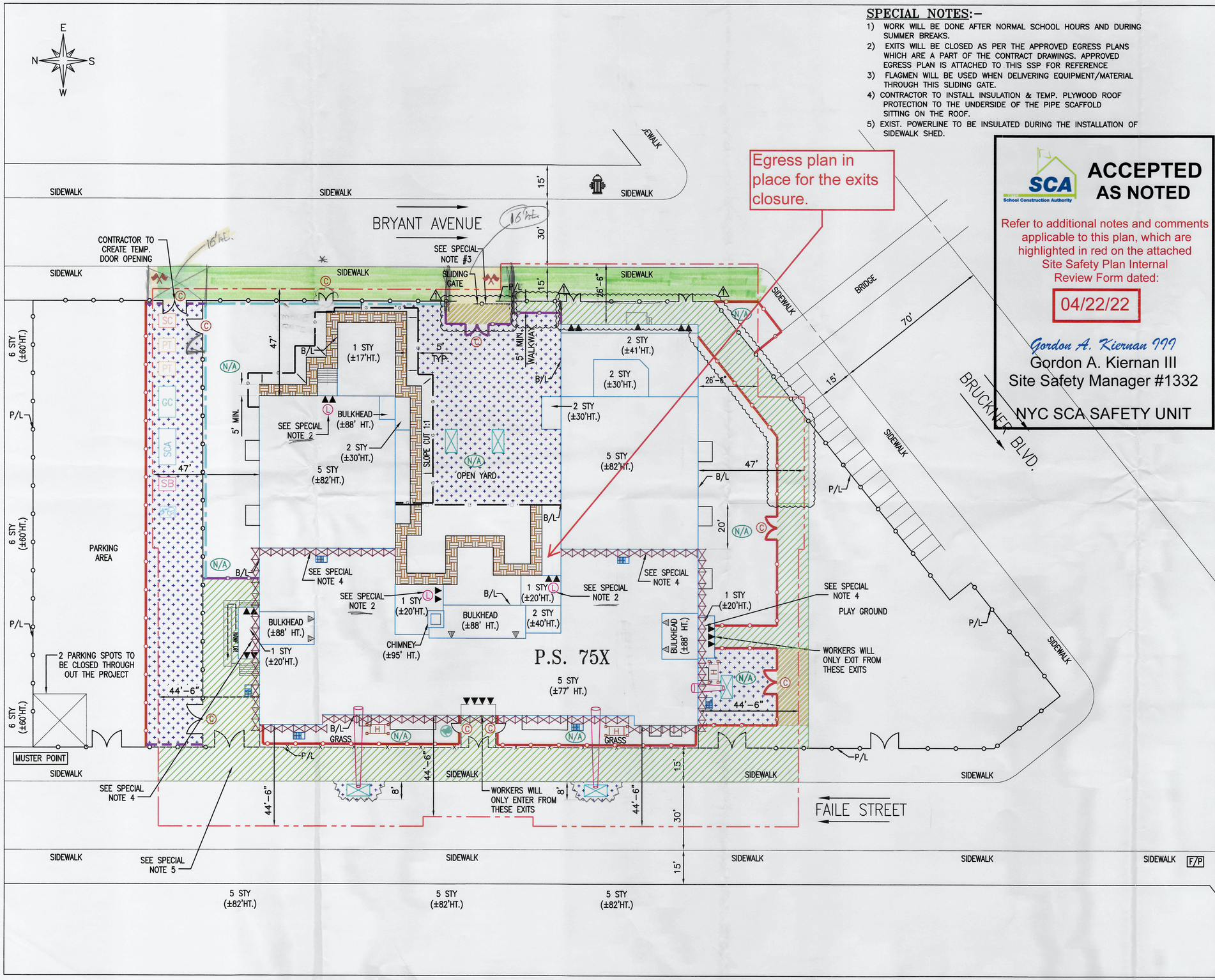
NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
CHECK
DRAFTING
CHECK
DESIGN
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = pw://../../../X731.65_Hunts Point Truck Access - Contract 3/CAD/01 AECOM/Civil/X73165_PedBP3.dgn [
DATE/TIME = Friday, May 27, 2022 01:25:13 PM
USER = uma.lakshman

SPECIAL NOTES:–

1) WORK WILL BE DONE AFTER NORMAL SCHOOL HOURS AND DURING SUMMER BREAKS.
2) EXITS WILL BE CLOSED AS PER THE APPROVED EGRESS PLANS WHICH ARE A PART OF THE CONTRACT DRAWINGS. APPROVED EGRESS PLAN IS ATTACHED TO THIS SSP FOR REFERENCE
3) FLAGMEN WILL BE USED WHEN DELIVERING EQUIPMENT/MATERIAL THROUGH THIS SLIDING GATE.
4) CONTRACTOR TO INSTALL INSULATION & TEMP. PLYWOOD ROOF PROTECTION TO THE UNDERSIDE OF THE PIPE SCAFFOLD SITTING ON THE ROOF.
5) EXIST. POWERLINE TO BE INSULATED DURING THE INSTALLATION OF SIDEWALK SHED.



ACCEPTED AS NOTED

Refer to additional notes and comments applicable to this plan, which are highlighted in red on the attached Site Safety Plan Internal Review Form dated:

04/22/22

Gordon A. Kiernan III
Gordon A. Kiernan III
Site Safety Manager #1332

NYC SCA SAFETY UNIT

LEGEND

- EXISTING WROUGHT IRON FENCE
- BASEMENT EXIT
- FIRST FLOOR EXITS
- BULKHEAD EXITS
- EXISTING CHAIN LINK FENCE
- WORK AREA
- FIRE HYDRANT
- SIAMESE PIPE
- F/P ALARM
- FLAG POLE
- P/L PROPERTY LINE
- B/L BUILDING LINE
- BOILER ROOM ROLL UP GATE
- GATE FOR CONTRACTOR ONLY
- EXITS LOCKED
- FLAGMEN
- 8' HT. SIDEWALK SHED (BY UTB)
- 16' HT. SIDEWALK SHED (BY UTB)
- 8' HT. TEMP. CONST. FENCE W/DEBRIS NETTING (BY UTB)
- PIPE SCAFFOLD
- STAIR TOWER
- NOT ACCESSIBLE TO PUBLIC
- LINE OF EXPOSURE
- HOIST
- STAGING AREA
- PORTABLE TOILET
- STORAGE CONTAINER
- SCA TRAILER
- CONTRACTOR TRAILER
- SECURITY BOOTH
- DEBRIS NETTING
- TEMP. WATER FILLED BARRICADE W/ FENCE
- 8' HT. PLYWOOD ON EXIST. CLF
- 8'HT. TEMP. PLYWOOD FENCE
- DUMPSTER
- CHUTE
- EXCAVATION AREA
- EXCAVATION GUARD RAIL
- SHORING
- TEMPERATURE SCREENING STATION

NO	DATE	REVISION
1	12.14.2021	SEE PAGE 1

CONTRACTOR: UTB–UNITED TECHNOLOGY, INC.
146 East, 2nd Street
Mineola, NY 11501
Tel (516) 326–1160

AGENCY: NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
30–30 Thomson Ave
Long Island City, NY 11101

DRAWN BY : P.D.
CHECKED BY: R.S.

DATE: 12.19.2021
SCALE: 3/128"=1'–0"
DWG. NO: 02 OF 13

PROJECT: P.S. 75, BRONX FALLING PLASTER (ROOF) PARAPETS, EXTERIOR MASONRY, FLOOD ELIMINATION & WINDOWS
984 Faile Street,
Bronx, NY 10459

SCHOOL ID#:
LLW#: 114509, 117393, 117394, 117395 & 117396

TITLE: SITE SAFETY PLAN (PHASE 1A)

RV Enterprise Inc.
P.O.BOX 40044,GLENOAKS, NY 11004
TEL.: (718) 766-7190,
FAX.: (718) 795-9433

NAME: RITESH SHAH
SSM LICENSE NO: 1355
LICENSEE'S SIGNATURE:

HC 90
(06/11)

NEW YORK STATE DEPARTMENT OF TRANSPORTATION
RELEASE TO PERFORM CONTRACT WORK ON PRIVATE LAND

CONTRACT: D900055 **PROJECT IDENTIFICATION NUMBER:** X731.65

LOCATION: 984 Faile Street 10459 **New York County of:** Bronx

The undersigned owner(s) of private land(s) that is/are located at the address(es) listed below:

Department of Education, 119 W. 23rd St. Suite 903, New York, NY 10011-6342

Property owners address (include mailing address if different)

hereby grant permission and give consent to New York State Department of Transportation or its contractors or designees, to enter onto the property identified above in connection with the above referenced contract for the purpose(s) identified below. This permission is granted with the understanding that such work shall be limited to as shown in the attached or an area within 20 Feet of the public right of way line to:

Install temporary fence.

The work is scheduled to occur between the months of June, 2023 to August 2023 and June, 2024 to August 2024. The Engineer will contact the property owner before entering the private property if these dates change. The property owner may revoke permission at any time by contacting the Engineer,

_____ at _____.

The property owner(s) are responsible for maintaining the improvements to be constructed. The undersigned property owner(s) agree that New York State Department of Transportation or its contractors or designees, shall not be liable for the maintenance of such improvement, nor liable for damages in connection therewith after the completion of the work. The undersigned property owner(s) waives any right to compensation for tree removals in consideration of the property improvements performed on the private property. The undersigned property owner(s) agree to release and hold harmless New York State Department of Transportation or its contractors or designees from any liability or damages which may arise after the completion of the work performed.

Property Owner(s):

Jose Anthony Perez		5/9/2022
Printed Name	Signature	Date

In the presence of:

Witness(s):

Name/Title	Signature	Date