STATE OF DELAWARE
ASBESTOS INSPECTION FORM

THIS SECTION TO BE FILLED OUT BY THE OWNER OF THE OWNER'S OFFICIAL REPRESENTATIVE

FACILITY INFORMATION			
Facility Address: *1500 West 9th Street (Rodney Street Reservoir Gatehouse)*			
City: Wilmington	**County:** New Castle	**State:** DE	**Zip:** 19806
Owner's Representative Information: D'Huy Engineering		**Phone:** 973-590-7656	
Owner's Representative Address: 31 East Butler Avenue			
City: Ambler	**County:** Montgomery	**State:** PA	**Zip**:19002
Owner's Representative Contact: Joe M. Bonny		**Owner's Phone:** 973-590-7656	

THIS SECTION TO BE FILLED OUT BY CERTIFIED PROFESSIONAL SERVICE FIRM

Professional Service Firm: Harvard Environmental, Inc.			
Address: 760 Pulaski Highway			
City: Bear	**County:** New Castle	**State:** DE	**Zip:** 19701
Inspector's Name: Jeffrey Demicco		**Phone Number:** 302.326.2333	
Inspector Certification #: ACC-0121-6-004	**Professional Service Firm Certification #:** PS-054		
Type Of Inspection: Renovations ☐ Demolition ☒		**Date(s) Of Inspection:** 10/14/22	
Is Asbestos Material Present: Yes ☐ No ☒			

This certification signed by the Inspection Firm, serves that the above mentioned property or part thereof has been inspected for asbestos containing materials in accordance with the State of Delaware Regulations Governing the Control of Air Pollution. Regulation #21 Section 10.

Comments: *Asbestos containing materials were not identified during this inspection.* Reference Report 23508 dated 10/18/2022 issued by Harvard Environmental, Inc. 302.326.2333.

Signature: _____ **Date:** October 18, 2022

Print Name: Charles B. Styles Jr. **Title:** Project Representative

THIS SECTION TO BE FILLED OUT BY OWNER OR OPERATOR

If RACM Is Present And Will Be Disturbed;
Name Of Abatement Contractor: Not Applicable

HARVARD
Environmental, Inc.

760 Pulaski Highway
Bear, DE 19701
1-302-326-2333

Rodney Street Reservoir

Wilmington, Delaware

Gatehouse

Asbestos Inspection for Demolition

FINAL REPORT – 10/18/2022
Harvard Project # 23508

Prepared For: ***Joe M. Bonny***
D'Huy Engineering
31 East Butler Avenue
Ambler, PA 19002

Prepared By: **Harvard Environmental, Inc.**
760 Pulaski Highway
Bear, Delaware 19701
302-326-2333

Written By: Jeffrey Demicco
Building Inspector
Harvard Environmental, Inc.

Released By: _____
Charles B. Styles, Jr.
Operations Manager
Harvard Environmental, Inc.

HARVARD
Environmental, Inc.

760 Pulaski Highway
Bear, DE 19701
1-302-326-2333

Table Of Contents

HARVARD
Environmental, Inc.

760 Pulaski Highway
Bear, DE 19701
1-302-326-2333

Introductions & Executive Summary

Harvard Environmental, Inc. herein presents data associated with the asbestos inspection performed at the Rodney Street Reservoir located at 1500 West 9th Street in Wilmington, Delaware. This inspection was performed to provide compliance with 40 CFR Part 61, "Asbestos NESHAP. These Environmental Protection Agency, (EPA), regulations require inspections to be performed by certified asbestos building inspectors prior to renovations and/or demolition of facilities. This effort was performed at the request of Joe M. Bonny, of D'Huy Engineering.

This project was performed in order to locate asbestos containing materials which may be impacted during upcoming demolition of the "Gatehouse" structure. Harvard Environmental, Inc. assessed the impacted building materials which would be considered suspect asbestos containing. A listing of locations, systems and/or materials which were not assessed may be found under "Non Assessed Conditions" found further in this report.

Harvard requested drawings of the existing facility layouts/designs to assist in documenting field assessments and to provide insight as to the location of suspect materials which may be associated with the facility. Floor plans were available.

In order to best document the assessment, Harvard Environmental, Inc. assessed the layout and design of locations requiring assessment and assigned each geographic area a unique alpha/numeric "grid" identifier. These identifiers are specific locations of the assessment and are the basis for orientation of the data.

The last day of visitation to the site was performed on 10/14/2022. Conditions described within this document are accurate as of the date of last visitation. Mr. Jeffrey Demicco was the responsible Harvard Environmental, Inc. employee which led the field efforts associated with the work.

Representative sampling of suspect asbestos building materials was performed on impacted building materials. The sampling effort was conducted in accordance with EPA regulations and industry accepted standards.

Asbestos analysis was completed utilizing Polarized Light Microscopy, (PLM). PLM utilizes an optical microscope equipped with a polarizing lens through which trained microscopist can identify asbestos fibers according to their crystalline structure. This method of analysis is recognized throughout the industry as standard practice. Prior to determining the type of fiber, the sample was placed under a "Stereo Microscope" at approximately 150X magnification for purposes of visual estimation. Various fiber types were pulled from the sample and oils applied to determine refractive indices under the polarized light microscope.

This recognized method of analysis has a detection limit of 1% by volume. Percentages of asbestos < 1% are reported as "trace" and are not considered asbestos containing materials under EPA regulations.

Based on the information provided to Harvard Environmental, Inc., coupled with field inspections and laboratory analysis of samples collected, **asbestos containing materials were not identified during the inspection of the interior and exterior of the structure.**

Provided is a summary listing of materials assessed under this inspection. The detailed inspection data is provided as appendices further in the report.

HARVARD
Environmental, Inc.

760 Pulaski Highway
Bear, DE 19701
1-302-326-2333

Summary Of Materials Assessed

Materials Determined to be None Detected by PLM

HA#	Material Description	Result of Assessment
001	Exterior Door Caulk	None Detected
002	Roof Shingle	None Detected

Non Assessed Conditions

Systems and/or materials provided on the list below were not assessed under this inspection and therefore should not be disturbed. In the event disturbance is required to accomplish the project objectives additional investigations will be required.

- This inspection was limited to the structure scheduled for demolition. No other structures/materials were included in this inspection.
- Harvard made every attempt feasible to safely locate all suspect asbestos materials associated with the structure. **See Recommendations section below.**
- No subsurface investigations were performed on the property.

Recommendations

Based on the findings of the inspection, Harvard Environmental, Inc. is providing the following recommendations.

- If over the course of project execution, materials of questionable content are discovered, or should the Scope of Work expand beyond the parameters communicated to Harvard Environmental, Inc., additional inspections will be required in order to maintain compliance with Federal and State regulations.
- Per EPA/DNREC Regulations, each facility owner must provide written notification to the US EPA and to the DNREC Division of Air Quality — by US Mail, by courier, or in-person — at least 10 working days before any building demolition activity occurs. This notification is required for all building demolition projects, regardless of the amount of asbestos present, and even when no asbestos is present.

This report is intended to provide “basic data” only. It is assumed that individuals reading and interpreting the sample locations and results, methods of analysis and hazards associated with the materials, are knowledgeable in all areas of discussion. Should any questions arise regarding the content of the information presented, contact should be exclusively to Harvard Environmental, Inc., Bear, Delaware, 1-302-326-2333.

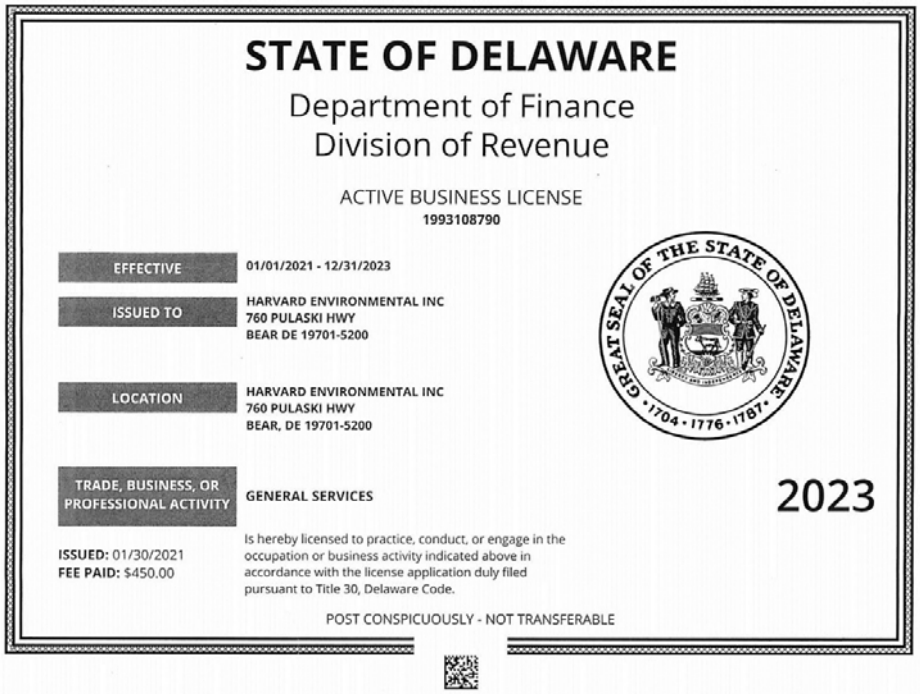
This document should be archived by the Owner for historical reference.

HARVARD
Environmental, Inc.

760 Pulaski Highway
Bear, DE 19701
1-302-326-2333

Certifications And Accreditations

Appendix A



STATE OF DELAWARE

Department of Finance
Division of Revenue

ACTIVE BUSINESS LICENSE
1993108790

EFFECTIVE	01/01/2021 - 12/31/2023
ISSUED TO	HARVARD ENVIRONMENTAL INC 760 PULASKI HWY BEAR DE 19701-5200
LOCATION	HARVARD ENVIRONMENTAL INC 760 PULASKI HWY BEAR, DE 19701-5200
TRADE, BUSINESS, OR PROFESSIONAL ACTIVITY	GENERAL SERVICES

GREAT SEAL OF THE STATE OF DELAWARE · 1704 · 1776 · 1787 ·

2023

ISSUED: 01/30/2021
FEE PAID: $450.00

Is hereby licensed to practice, conduct, or engage in the occupation or business activity indicated above in accordance with the license application duly filed pursuant to Title 30, Delaware Code.

POST CONSPICUOUSLY - NOT TRANSFERABLE

STATE OF DELAWARE

THIS CERTIFIES THAT

HARVARD ENVIRONMENTAL, INC.

Has satisfactorily completed the requirements prescribed by the Office of Management & Budget as a Asbestos Abatement Professional Service Firm this

Tenth Day of February Two Thousand Twenty-Two

This certification is valid for one (1) year to perform asbestos services within the State of Delaware.

This certification shall be proof that the above-named Contractor has met the minimum requirements established by the State of Delaware for temporary certification. It is not intended as an overall endorsement of the Contractor's ability to provide services of varying size and shape. It does not endorse the methods and types of respiratory protection used by the Contractor.

Contractor's Address: 760 Pulaski Highway
Bear, DE 19701
Expiration Date: February 10, 2023
Certification Number: PS-054

Director
Division of Facilities Management

HARVARD
Environmental, Inc.

760 Pulaski Highway
Bear, DE 19701
1-302-326-2333

Certifications And Accreditations

Certificate of Completion

awarded to

Jeffrey Demicco

for successfully completing the prescribed course of study in

Pennsylvania Asbestos
Building Inspector Refresher Course
under TSCA Title II, Virtual Teleconference

presented by
ACCESS TRAINING SERVICES, INC.
7921 River Road, Pennsauken, NJ 08110
(856) 665-3449

1/4/22	N/A	1/4/23
Course Date	*Exam Date*	*Expiration Date*
Not Provided	ACC-0121-6-004	Mark K. Schläger
Social Security Number	*Certificate Number*	*Training Director*

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200885-0

Harvard Environmental, Inc.
Bear, DE

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 17025:2017. 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).

2022-07-01 through 2023-06-30
Effective Dates

For the National Voluntary Laboratory Accreditation Program

HARVARD
Environmental, Inc.

760 Pulaski Highway
Bear, DE 19701
1-302-326-2333

Laboratory Analysis and Sample Location Schematic & Site Plan

HARVARD
Environmental, Inc.

760 Pulaski Highway Bear, Delaware 19701
Phone: 302-326-2333 Fax: 302-326-2335
Harvard-Lab@HarvardEnv.com

10/17/2022

LR-407

CERTIFICATE OF ANALYSIS

23508

To: **Joe Bonny** **718013**
D'Huy Engineering
31 East Butler Avenue
Ambler, PA
19002-

Collected: 025 10/14/2022
Lab Project Number: 26741

			QTY
Received	Jake Horwitz	10/14/2022	6
Logged	Jake Horwitz	10/14/2022	6
Analyzed	Asghar Keyvanfar	10/17/2022	6

Re: D'Huy Engineering - Rodney Street Reservoir - Gatehouse - Asbestos Inspection for Demolition

Sample Number: 001A
COC Description: Exterior Door Caulk - EXT

LAB SAMPLE ID 166301

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Grey
Other Color
Homogenity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 001B
COC Description: Exterior Door Caulk - EXT

LAB SAMPLE ID 166302

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Grey
Other Color
Homogenity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 001C
COC Description: Exterior Door Caulk - EXT

LAB SAMPLE ID 166303

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected			100	Other

Color: Grey
Other Color
Homogenity: Homogeneous
Treatment: Heated
Texture: Firm

Sample Number: 002A
COC Description: Roof Shingle - EXT

LAB SAMPLE ID 166304

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected	10	Glass	90	Other

Color: Black
Other Color
Homogenity: Heterogeneous
Treatment: Dissolved
Texture: Firm

Analysis Methods: EPA 600/R-93/116 / 40 CFR Appendix E to Subpart E of Part 763, interim method of the Determination of Asbestos in Bulk Samples

Comments: (PC) Indicates Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based on the sample matrix. Quantification at <1% by volume is possible with this method. Analyst specific measurements of uncertainty at lower concentrations are available upon request. Analysis indicates all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Asghar Keyvanfar
Analyst

NVLAP "Testing"
NVLAP Lab Code 200885-0

Approved For Release:

HARVARD
Environmental, Inc.

760 Pulaski Highway Bear, Delaware 19701
Phone: 302-326-2333 Fax: 302-326-2335

CERTIFICATE OF ANALYSIS

23508

To: **Joe Bonny** **718013** Monday, October 17, 2022

D'Huy Engineering

31 East Butler Avenue
Ambler, PA
19002-

Lab Project Number: 26741

			QTY
Recieved	Jake Horwitz	10/14/2022	6
Logged	Jake Horwitz	10/14/2022	6
Analyzed	Asghar Keyvanfar	10/17/2022	6

Re: D'Huy Engineering - Rodney Street Reservoir - Gatehouse -

Sample Number: 002B
COC Description: Roof Shingle - EXT

LAB SAMPLE ID 166305

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected	10	Glass	90	Other

Color: Black
Other Color
Homogenity: Heterogeneous
Treatment: Dissolved
Texture: Firm

Sample Number: 002C
COC Description: Roof Shingle - EXT

LAB SAMPLE ID 166306

%	Asbestos Type	%	Other Fibrous Type	%	Non Fibrous Type
	None Detected	10	Glass	90	Other

Color: Black
Other Color
Homogenity: Heterogeneous
Treatment: Dissolved
Texture: Firm

Analysis Methods: EPA 600/R-93/116 / 40 CFR Appendix E to Subpart E of Part 763, interim method of the Determination of Asbestos in Bulk Samples

Comments: (PC) Indicates Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based on the sample matrix. Quantification at <1% by volume is possible with this method. Analyst specific measurements of uncertainty at lower concentrations are available upon request. Analysis indicates all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Asghar Keyvanfar
Analyst

NVLAP "Testing"
NVLAP Lab Code 200885-0

Approved For Release:

HARVARD
Environmental, Inc.

PLM CHAIN OF CUSTODY

Issued: 5/21/09	Page 1 of 1
File ID: **FS-001**	Revision No. **3**
WO/PO #	

Analytical Laboratory Name: Harvard Env.

REPORT TO: Harvard Environmental 760 Pulaski Highway Bear, DE 19701	**INVOICE TO:**	**WO / P.O. #** 23508 **PROJECT NAME:** D'Huy Engineering - Rodney Street Reservoir Gatehouse - Asbestos Inspection for Demolition
ATTN: Chuck Styles	**ATTN:** Accounts Payable	
PHONE: 302-326-2333 **FAX:** 302-326-2335		
Collected By: Jeffrey Demicco Date: 10/13/22 Time:	**REMARKS**	**Turn Around Time (Circle One)** Same Day ~~24 Hours~~ 48 Hours 72 Hours 4 Days 1 Week 2 Weeks 3 Hr Rush 6 Hr Rush **OTHER**
Relinquished By: Jeffrey Demicco Date: 10/14/22 Time:		
Received By: Date: 10/14/22 Time:		
Received In Lab: Date: 10-17 Time: 2		

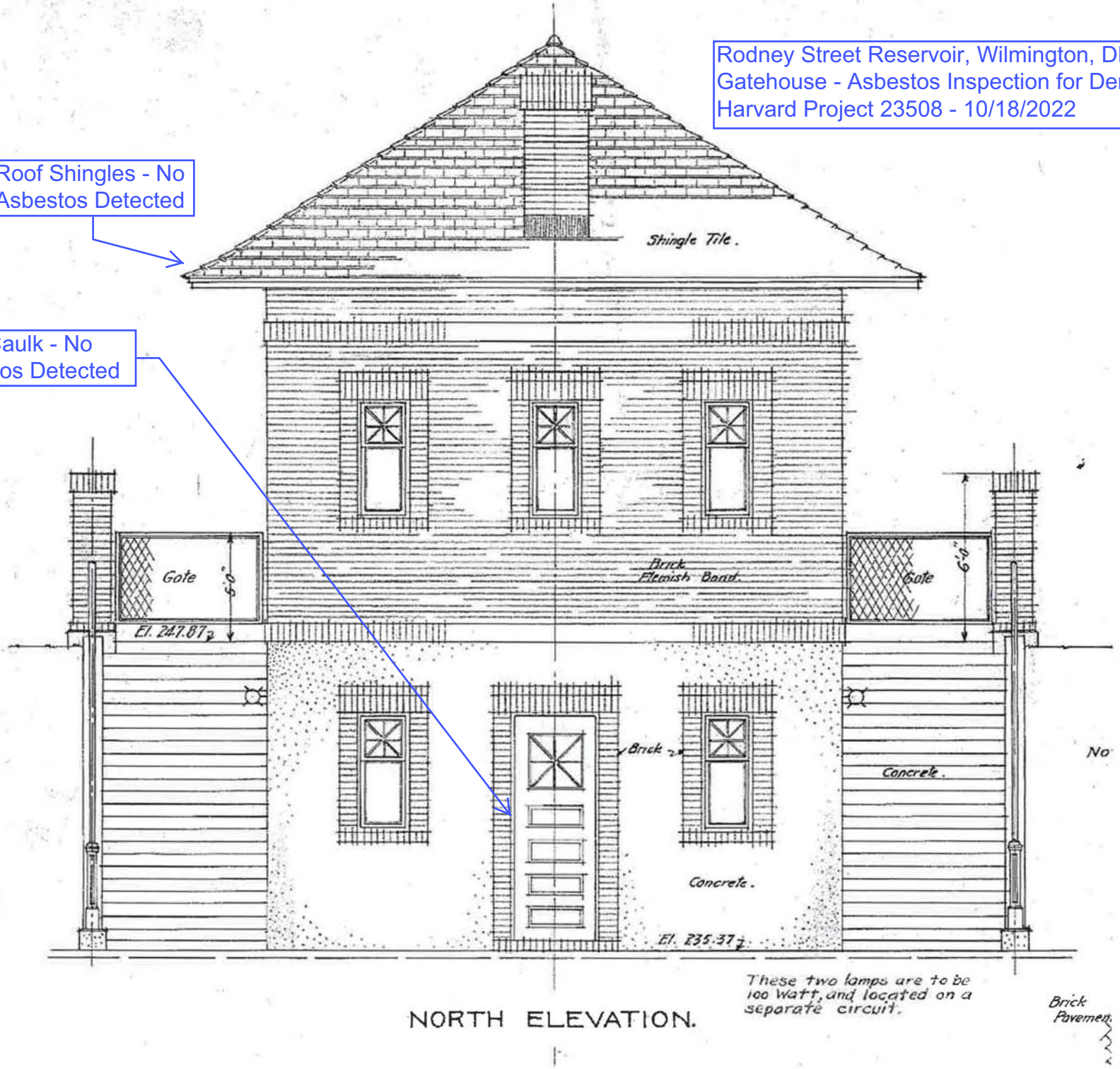
SAMPLE ID	SYS CODE	Lab ID# (Lab Use Only) 26741	DESCRIPTIONS	LOCATION	No Layered Analysis	ABC Positive Stop	If Negative Analyze TEM	Results (Lab Use Only)	OTHER INSTRUCTIONS 1. 2. 3.
001A	CLK	166301	Exterior Door Caulk	Ext		✓		NAD	
001B	↓	02	↓	↓		✓		ND	
001C	↓	03	↓	↓				ND	
002A	RS	04	Roof Shingle	Ext		✓		ND	
002B	↓	05	↓	↓		✓		ND	
002C	↓	06	↓	↓				ND	

Release Results Via: Fax ☐ Email ☐ Verbal ☐ To: _____ Date: _____ Time: _____ Signature: _____

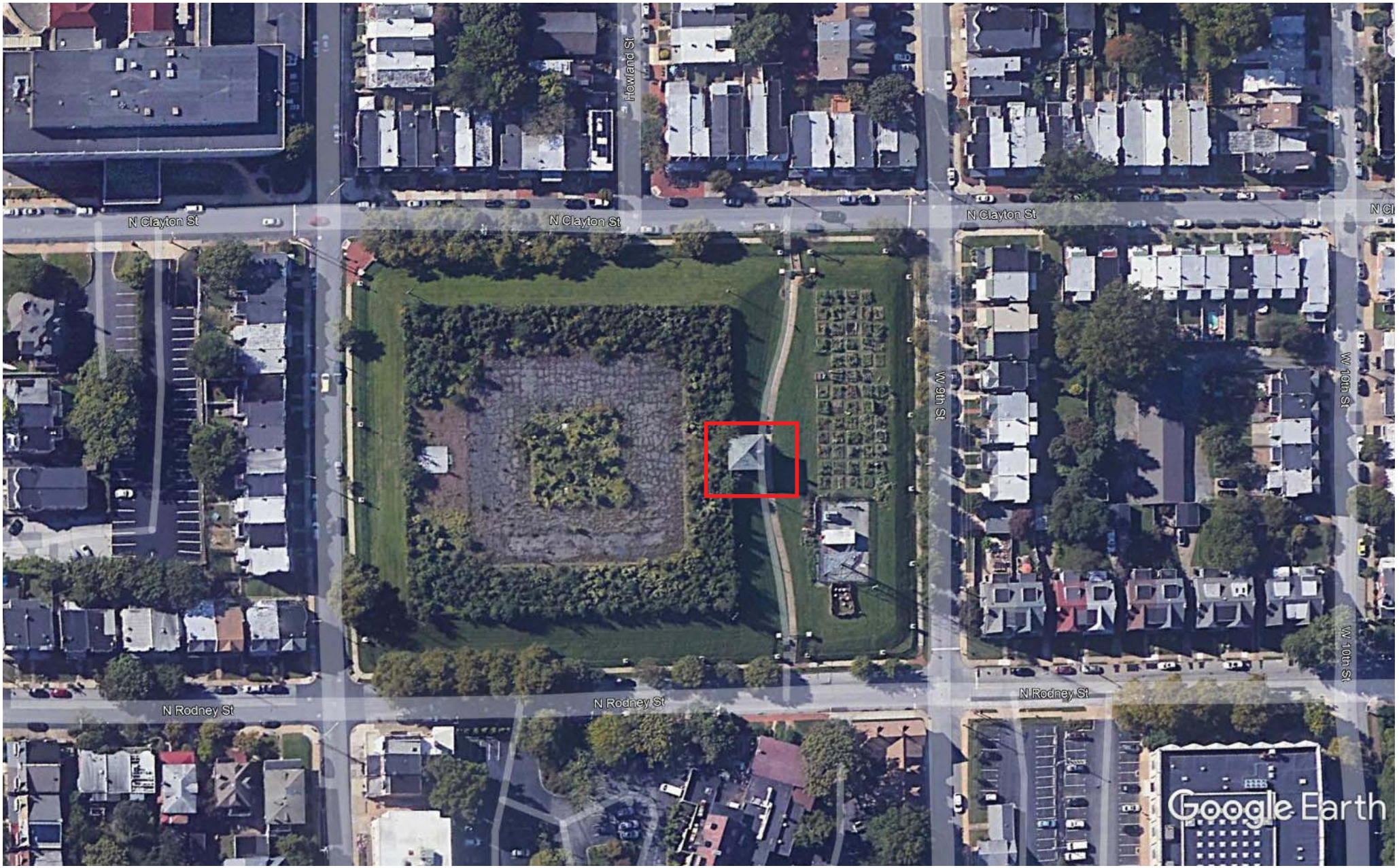
Rodney Street Reservoir, Wilmington, DE
Gatehouse - Asbestos Inspection for Demolition
Harvard Project 23508 - 10/18/2022

Roof Shingles - No Asbestos Detected

Door Caulk - No Asbestos Detected



NORTH ELEVATION.


N Clayton St
N Clayton St
Howland St
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W 9th St
W 10th St
W 10th St
N Rodney St
N Rodney St
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Google Earth