

BID SPECIFICATIONS  
FOR  
**SILVER LANE PLAZA DEMOLITION**

818-850 SILVER LANE

**CDRA Project #24-015**



**OWNER**  
TOWN OF EAST HARTFORD  
740 MAIN STREET  
EAST HARTFORD, CT 06108

**ADMINISTERED BY**  
CAPITOL REGIONAL DEVELOPMENT AUTHORITY  
100 COLUMBUS BLVD; SUITE 500  
HARTFORD, CT 06103



## TABLE OF CONTENTS

	No of PAGES
TITLE PAGE .....	
TABLE OF CONTENTS .....	2
LIST OF DRAWINGS.....	1
<b>DIVISION 0 – CDRA BID DOCUMENTS</b>	
INVITATION TO BID: INSTRUCTION TO BIDDERS .....	47
<b>DIVISION 1 - GENERAL REQUIREMENTS</b>	
01 1000 – SUMMARY OF WORK.....	3
01 2200 – UNIT PRICES .....	6
01 3233 – PHOTOGRAPHIC DOCUMENTATION .....	3
01 5000 – TEMPORARY FACILITIES AND CONTROLS.....	6
01 5716 – TEMPORARY PEST CONTROL .....	6
01 7419 – CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL .....	10
<b>DIVISION 2 – EXISTING CONDITIONS</b>	
02 0900 – SITE RELATED DUST CONTROL .....	3
02 3000 – SUBSURFACE INVESTIGATIONS .....	2
02 4000 – SITE PREPARATION .....	2
02 4116 – STRUCTURE DEMOLITION.....	7
02 8213 – ASBESTOS ABATEMENT .....	25
02 8214 – ASBESTOS ROOFING ABATEMENT .....	20
02 8316 – HANDLING OF LIGHTING BALLASTS & LAMPS CONTAINING PCB's & MERCURY ....	5
02 8319 – LEAD PAINT AWARENESS.....	11
02 8433 – <50 PPM POLYCHLORINATED BIPHENYL ABATEMENT .....	23
02 8434 – PCB BULK PRODUCT ABATEMENT.....	25
<b>DIVISION 31 – EARTHWORK</b>	
31 2300 – EXCAVATION BACKFILL COMPACTION & DEWATERING.....	10
31 2323 – BORROW MATERIALS .....	7
31 2333 – TRENCHING AND BACKFILLING.....	4
31 2500 – SOIL EROSION SEDIMENT CONTROL MEASURES .....	6

**DIVISION 32 – EXTERIOR IMPROVEMENTS**

32 1216 – BITUMINOUS CONCRETE PAVEMENT ..... 2  
32 9003 – LAWNS AND GRASSES ..... 5  
32 9210 – VEGETATIVE SUPPORT MATERIAL ..... 4

**APPENDIX**

APPENDIX A – HAZARDOUS BUILDING MATERIAL INSPECTION REPORT ..... 386  
APPENDIX B – WASTE MANAGEMENT FORMS ..... 4  
APPENDIX C – EAGLEVIEW REPORT ..... 24  
APPENDIX D – PREVIOUS UTILITY BILLS..... 24  
APPENDIX E – TOWN OF EAST HARTFORD FORMS .....  
    DEMOLITION PAMPHLET ..... 2  
    DEMOLITION CHECKLIST ..... 1  
    DEMOLITION PERMIT APPLICATION..... 1  
    CT DPH DEMOLITION NOTIFICATION FORM..... 1  
    EPA DEMOLITION NOTIFICATION REGULATIONS..... 4  
    HOLD HARMLESS LETTER..... 1  
    ORDINANCE SECTION 7-11 – DEMOLITION OF STRUCTURES..... 1

**END OF TABLE OF CONTENTS**

**LIST OF DRAWINGS**

**GENERAL**

A0 ..... COVER SHEET

**CIVIL**

C001 ..... SITE PLAN, GENERAL ABBREVIATIONS & NOTES

C101 ..... SITE DEMOLITION PLAN

C201 ..... SITE RESTORATION PLAN

C301 ..... SITE DETAILS

REF ..... SITE SURVEY MAP

**ARCHITECTURAL**

AD111 ..... FIRST FLOOR DEMOLITION PLAN

AD201 ..... ELEVATIONS

**END OF LIST OF DRAWINGS**



**Instructions to Bidders**

**Project:** Silver Lane Plaza Abatement & Demolition  
CRDA Project #24-015

**Location** 818-850 Silver Lane - East Hartford, Connecticut

**Table of Contents**

LEGAL NOTICE – INVITATION TO BID ..... 3

PART 1 – PROJECT DESCRIPTION ..... 4

PART 2 – PROJECT SCOPE OF WORK & PHASING

    2.1 Project Scope..... 4

    2.2 Project Schedule ..... 5

PART 3 – GENERAL INFORMATION

    3.1 Definitions ..... 6

    3.2 Bidder's Representations ..... 7

    3.3 Bidding Documents ..... 7

    3.4 Interpretation or Correction of Bidding Documents ..... 8

    3.5 Substitutions ..... 8

    3.6 Addenda ..... 9

    3.7 Performance and Payment Bond Requirements ..... 9

    3.8 Insurance ..... 10

    3.9 Prevailing Wage..... 10

    3.10 State Labor Standards Provisions, Laws and Regulations ..... 10

    3.11 DAS Contractor Prequalification Certification ..... 11

    3.12 Incurring Cost ..... 11

PART 4 – COMPLIANCE REQUIREMENTS AND CERTIFICATIONS

    4.1 Non-Discrimination in Employment ..... 11

    4.2 Ethics Affidavits and Certifications ..... 12

PART 5 – GENERAL AND SPECIAL CONDITIONS

    5.1 Taxes ..... 12

    5.2 Miscellaneous ..... 13

PART 6 – BID PROCEDURES AND SUBMISSION REQUIREMENTS

    6.1 TIMELINE ..... 14

    6.2 Pre-Bid Conference ..... 14

    6.3 Bidder Question Procedure ..... 14

    6.4 Preparation and Submission of Bid ..... 14

    6.5 Bid Security ..... 15

    6.6 Modification or Withdrawal of Bid ..... 15

    6.7 Post Bid Scope Review Meeting ..... 16

    6.8 Consideration of Bids ..... 16

    6.9 Acceptance of Bid ..... 16

Document Appendix ..... 18

Conflict of Interest Statute ..... 18

List of Required Bid Forms ..... 19

Bid Form (including Addenda Acknowledgement, Subcontractor List and Bid Guarantee)..... 20

Attachment 1, Labor and Equipment Rates ..... 34

Attachment 2, Sample Contract ..... 35

Attachment 3, Department of Labor Prevailing Wage RFP Package ..... 36

Schedule A, List of Plans & Specifications ..... 37

Schedule B, Vendor Terms and Conditions ..... 39

Attachment 5, Silver Lane Plaza Demolition Drawings .....attached file



**LEGAL NOTICE – INVITATION TO BID****Silver Lane Plaza Abatement & Demolition  
CRDA Project # 24-015  
East Hartford, CT**

The Capital Region Development Authority (CRDA) is undertaking the abatement and demolition of Silver Lane Plaza located at 818-850 Silver Lane in East Hartford, CT on behalf of the Town of East Hartford. CRDA intends to enter into a contract with a qualified contractor to provide construction services for this project.

Sealed bids for the above project must be received by the Capital Region Development Authority (CRDA), 100 Columbus Boulevard, Suite 500, Hartford CT 06103 (Attention: Erica Levis), by **1:00 PM on December 8, 2023**, after which time they will be publicly opened and read in a location to be determined at 100 Columbus Boulevard.

This project will include the following:

- The abatement and demolition of the entire structure including foundations, floor slabs and sidewalks. All demolition materials will be disposed of offsite.
- Foundation voids will be backfilled with clean imported fill, top dressed in loam and seeded.
- Foundation voids are assumed to be relatively minor as the structure does not have subsurface levels.
- Utility disconnects will be required as per contract documents, including necessary street restoration.
- Erosion controls will be installed and maintained as necessary during site activities.
- Existing fire hydrant(s) located on Silver Lane may be used for the supply of water required during demolition.
- The Town of East Hartford will obtain all necessary municipal approvals and waive any permit fees required for work directly or indirectly associated with the demolition of the structure.
- Restoration including grading, topsoil, seed, hay (water/establish).
- Demolish, remove & dispose of existing site finishes (where shown on construction documents) including but not limited to asphalt, concrete, sidewalks, ramps, pads, bollards, fencing, signage, etc., within twenty feet of the face of building and/or as necessary and required to remove the building and its foundation.

Plans, specifications and documents for the project are available for viewing and downloading on the State Contracting Portal at [CTsource](#) and the CRDA website, and may be examined at the Capital Region Development Authority, 100 Columbus Boulevard Suite 500, Hartford CT (contact Erica Levis at [elevis@crdact.net](mailto:elevis@crdact.net)).

Bidders are advised that a good faith effort is required for participation in this contract by Small Business Enterprises (SBE) and Minority Business Enterprises (MBE). The SBE goal is twenty-five (25) percent of the contract value, with twenty-five (25) percent of that amount (6.25 percent of the overall project) as the MBE goal.

Bidders are advised that prevailing wages are required on this project.

A mandatory pre-bid walk through of the project site will be held at 818-850 Silver Street, East Hartford, CT at **10:00 AM on November 21, 2023**.

CRDA reserves the right to reject any or all bids and to waive any or all informalities or technical defects, if it is deemed to be in the best interest of CRDA.

An Affirmative Action/Equal Opportunity Employer. Minority/Women's Business Enterprises are encouraged to apply.

**PART 1 – PROJECT DESCRIPTION**

**1.1 PROJECT:** Silver Lane Plaza Abatement & Demolition  
CRDA Project #24-015

**818-850 Silver Lane, East Hartford, CT**

**1.2 BID DUE DATE:** December 8, 2023

**TIME:** 1:00 PM

**1.3 PROJECT DESCRIPTION**

The Silver Lane Plaza Abatement & Demolition project consists of abatement, demolition, removal and legal disposal of building, including foundation, site demolition, site restoration.

**PART 2 – PROJECT SCOPE OF WORK & SCHEDULE**

**2.1 Scope** – This project includes, but is not limited to, all work required or inferred to complete the abatement and demolition of existing building and all other work shown on the Silver Lane Plaza Demolition Construction Documents (issued 10/31/23), the bid specifications for Silver Lane Plaza Demolition (issued 10/31/23) and this Instruction to Bidders and its attachments. Following is a summary description of the scope of work:

**Bid Item #1 – General Provisions**

- A. Mobilization/Demobilization – Includes all work related to mobilizing all equipment and materials to the site, and removal of same upon completion.
- B. General Requirements – Includes:
  - i. Office Trailer (if required), Temporary utilities including temporary power/ generator if required and sanitary facilities for the Contractor’s personnel, the Owner and Design Team.
  - ii. Site Security – Provide and maintain a site security fence with locked gates.
  - iii. Erosion and sedimentation control – Erosion controls shall be installed and maintained as necessary during site activities and will be installed at locations determined by the project team. Dirt and dust must be maintained within the Demolition Area and adjacent existing storm drainage within the runoff area must be protected with silt fence, sediment Traps and/or Straw/Hay Bale Dikes.
  - iv. Dust control – The demolition contractor shall take appropriate measures to control dust during abatement and demolition.
  - v. Project Sign – Provide a 4’ x 8’, pole mounted Project Sign. Include No Trespassing, Restricted Access, Hardhats Required signs etc.
  - vi. Includes preparation and adherence to a Site-Specific Health and Safety Plan that addresses all site activities, including alternate activities, and decontamination of equipment and removal and disposal of all materials at project end.
  - vii. Conduct and document weekly job meetings.
  - viii. Project Documentation – In addition to regulatory logs, manifests and reports, include

RFIs, Submittals, daily reports documenting equipment and personnel on site and work performed, progress photos and minutes of meetings.

- ix. Traffic Control as required.
- x. Snow plowing as required is the responsibility of the Contractor.

C. Provision of Bonds and Insurance

**2.2 Bid Item #2 – Silver Lane Plaza Abatement:**

- The abatement and off-site disposal of all hazardous materials.
- All Abatement to be performed as required pursuant to the Bid Specifications issued 10/31/23. Abatement includes but is not limited to: ACM, LBP, PCB, Mercury Lamps and HVAC Refrigerant recovery and disposal.

NOTE – Asbestos Roofing Abatement requirements in Sec. 02 82 14 Part 3.4 - B, C & D.

- The demolition contractor shall handle, store and transport all abated materials in accordance with all applicable regulations. All abated will be disposed of off-site by the demolition contractor.

**2.3 Bid Item #3 – Silver Lane Demolition:**

- The demolition and off-site disposal of the entire structure.
- Foundations and floor slabs will be removed in their entirety.
- The demolition contractor shall handle, store and transport all demolished materials in accordance with all applicable regulations. All demolished materials, including any equipment, fixtures and furnishings left in the building, will be disposed of off-site by the demolition contractor.
- The demolition contractor shall take appropriate measures to control dust during demolition.
- Foundation voids shall be backfilled with clean imported fill and the entire Demolition Area must be graded to preclude ponding, top-dressed with loam and seeded with grass.
- Foundation voids are assumed to be relatively minor as the structure does not have subsurface levels.
- Utility disconnects with appropriate termination and capping as shown and/or required and street repairs; as shown on C-101
- Refeed site lighting service from existing building to remain as shown on C-201
- Existing fire hydrants will be used for the supply of water required during demolition. The Demolition Contractor shall be responsible for obtaining permission from the MDC for temporary use of water from the hydrants.
- All existing paving, curbing and finishes outside of the Demolition Area will remain. The contractor shall take reasonable measures to prevent damage to these areas.
- The Town of East Hartford will obtain all necessary municipal approvals and waive any permit fees required for work directly or indirectly associated with the demolition of the structure. The contractor will be responsible for all abatement permitting and paperwork.

**2.2 Project Schedule**

The Contractor shall mobilize within two weeks of execution of the Contract and Notice to Proceed and reach substantial completion within two-and one-half months.

**PART 3 – GENERAL INFORMATION****3.1 Definitions**

- A. Addenda = written or graphic instruments issued by the Architect prior to the execution of the Contract which modify or interpret the Bidding Documents by additions, deletions, clarifications or corrections.
- B. Architect (designer) = Christopher Williams Architects, LLC 85 Willow Street, New Haven, CT
- C. Base Bid = total sum for which the Bidder offers to perform the Work described in the Bidding Documents.
- D. Base Contract = Scope of Work for all work identified in the Contract Documents.
- E. Bid = complete and properly signed proposal to do the Work for the sums stipulated therein. A bid is considered complete if it is submitted according to the terms of the Bidding Documents.
- F. Bidder = person or entity who submits a Bid. A Sub-bidder is a person or entity who submits a bid to a Bidder for materials, equipment and/or labor for a portion of the Work.
- G. Bidding Requirements shall include:
  - 1. The Invitation to Bid
  - 2. The Instructions to Bidders (ITB) including all Attachments and Schedules
  - 3. The Bid Form (including Addendum Acknowledgement and Subcontractor List)
  - 4. All Bid Documents and forms Listed in Attachment 1.
  - 4. Draft Contract attached hereto as Attachment 3.
  - 5. Requirements of Schedule B, Vendor Terms and Conditions.
  - 5. The Project Specifications dated October 31, 2023, attached hereto as Attachments 6.
  - 6. The plans titled Silver Lane Plaza Demolition dated October 31, 2023, attached hereto as Attachment 5
- H. Contract Sum equal to the Base Bid. The Contract Sum will be adjusted up or down by approved Contract Change Orders.
- I. Contract Documents:
  - 1. The form of Agreement between the Owner and Contractor attached here to as Attachment 3.
  - 2. Conditions of the Contract (General, Supplementary and other Conditions).
  - 3. Signed and Sealed Bid Submission Documents.
  - 3. Project Drawings by Christopher Williams Architects, LLC: Silver Lane Plaza Demolition dated October 31, 2023, attached hereto as Attachment 5.
  - 4. Project Specifications by Christopher Williams Architects, LLC: Silver Lane Plaza Demolition dated October 31, 2023, attached hereto as Attachment 6.
  - 5. Addenda issued prior to execution of the Contract.
- J. Contractor as used in the ITB = the Successful Bidder.
- K. Invitation to Bid = The Invitation to Bid (abbreviated ITB) shall include the Legal Notice, Instruction to Bidders, Bid Form, Project Drawings and Project Manuals (Specifications) by CWA, Addenda issued prior to the Bid Due Date and all related Exhibits, Attachments and other documents commonly referred to

collectively as the Bid Documents.

- L. Limits of Construction = is the area in which the Work of this Contract will be performed as shown on the Silver Lane Plaza Demolition plans.
- M. Owner = The owner of the Silver Lane Plaza is the Town of East Hartford. The project is funded by the State of Connecticut and the Town of East Hartford. Funds will be administered by the Capital Region Development Authority (CRDA), 100 Columbus Boulevard, Suite 500, Hartford, CT 06103-2819, Phone: (860) 527-0100. CRDA will hold the construction contract and oversee Construction on behalf of the Town of East Hartford. Where “Owner” appears in the Invitation to Bid and contract documents, it shall generally refer to CRDA, but when referencing meetings and inspections, may also include representatives of the Town of East Hartford.
- N. CRDA Designated Representative for Bid Administration = Erica Levis, [elevis@crdact.net](mailto:elevis@crdact.net)
- O. Owner’s Designated Representative for Construction Administration = Mark O’Connell, [moconnell@crdact.net](mailto:moconnell@crdact.net) under the oversight of Robert Houlihan, [rhoulihan@crdact.net](mailto:rhoulihan@crdact.net)
- P. Project = Silver Lane Plaza Demolition, CRDA Project # 24-015.
- Q. Successful Bidder – a qualified bidder who has complied with all of the requirements of the Bid Documents and is the apparent low Bidder to whom CRDA makes an award.
- R. Definitions established in the General Conditions of the Contract for Construction, or in the other Contract Documents are applicable to the Bidding Documents.

### 3.2 Bidder's Representations

- A. By making a Bid, the Bidder represents that:
  - 1. The Bidder has carefully examined the Bidding Documents, the requirements are clear, and concurs with them. The Bid is made in full agreement with those requirements.
  - 2. The Bidder understands the requirements of the Bidding Documents to the extent that such documentation relates to the Work for which the Bid is submitted, and for other portions of the Project, if any, being bid concurrently or presently under construction.
  - 3. The Bidder and appropriate Sub-bidders have visited the site, have become familiar with local conditions under which the Work is to be performed, site conditions, logistics and have correlated the Bidder's personal observations with the requirements of the Bidding Documents.
  - 4. The submission of a bid or proposal by a contractor for the whole or any part of the work contained in the specifications shall constitute an acceptance by such contractor of the terms and conditions of all duly promulgated ordinances and regulations of the Location (Town or City) that the Work is being performed at to the extent the same are applicable; and a contract awarded in response to such bid or proposal shall be deemed to incorporate all such pertinent ordinances and regulations.
  - 5. The Bid is based upon the materials, equipment and systems required by the Bidding Documents without exception or qualification.
  - 6. The Bidder has not colluded with any other person in regard to any Bid or sub-bid submitted.

### 3.3 Bidding Documents

- A. Documents are available only in complete sets
  - 2. Bidders shall use complete sets of Bidding Documents in preparing Bids. The Owner and Architect/Engineer assume no responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

3. Copies of the Bidding Documents are made available for the sole purpose of obtaining Bids on the Work. No license or permission is granted for any other use of the Bidding Documents.
4. The Invitation to Bid, Bid Documents and any Addendums will be posted on the Department of Administrative Services (DAS) website [CTsource](#) as well as the CRDA website, [RFP's - Capital Region Development Authority \(crdact.net\)](#)
5. Drawings, specifications and related bid documents may be examined at the Capital Region Development Authority, 100 Columbus Boulevard Suite 500, Hartford CT (Connecticut Convention Center 5<sup>th</sup> floor) contact Erica Levis at [elevis@crdact.net](mailto:elevis@crdact.net)

### 3.4 Interpretation or Correction of Bidding Documents

- A. Bidders shall thoroughly examine and be familiar with the drawings and the specifications. The failure or omission of any Bidder to receive or examine any form, instrument, or document shall in no way relieve the Bidder from any obligation with respect to his bid.
- B. Bidders shall carefully examine the contents of this Invitation to Bid (ITB) and related documents. Any ambiguities or inconsistencies shall be brought to the attention of CRDA in writing by 3:00 p.m. on **November 29, 2023**. Failure to do so will constitute your acceptance of any subsequent interpretation or decision made by CRDA.
- C. No interpretation of the meaning of this ITB will be made orally. In the event that CRDA provides any interpretation, only written interpretations will be binding upon CRDA. All questions, clarifications and other responses will be posted on the State Contracting Portal and the CRDA website in accordance with the Bid Timeline. Any addenda or amendments to this ITB will also be posted on the State Contracting Portal and the CRDA website. Bidders are strongly encouraged to return periodically to the CRDA website for updates and information related to this Invitation to Bid.
- D. Requests for clarification or interpretation of the ITB or Bidding Documents shall be made in writing. The CRDA will accept requests for clarifications up until 3:00 p.m. on **November 29, 2023**. Clarification or Questions can be emailed to Erica Levis at [elevis@crdact.net](mailto:elevis@crdact.net). Bidders are encouraged to submit questions or requests for clarification as soon as possible.
- E. CRDA reserves the right to respond or not to respond to specific questions, clarifications or requests concerning the ITB process. CRDA acknowledges that information contained in the submission may be subject to the Freedom of Information Act (FOIA).
- F. CRDA may amend or cancel this bid or modify the schedule, prior to the due date and time, if CRDA deems it to be necessary, appropriate or otherwise in the best interest of CRDA.

### 3.5 Substitutions

- A. The materials, products and equipment described in the Bidding Documents establish the standard required for the function, dimension, appearance and quality to be met by any proposed substitution.
- B. No substitution will be considered after receipt of Bids unless the written request for approval has been received by the Architect by the date stipulated in the ITB. Such requests shall include the name of the material or equipment for which it is to be substituted and a complete description of the proposed substitution including drawings, performance and test data, and other information necessary for an evaluation. A statement setting forth changes in other materials, equipment or other portions of the Work including changes in the work of other contracts that incorporation of the proposed substitution would require shall be included. The burden of proof of the merit of the proposed substitution is upon the proposer. The Architect's decision of approval or disapproval of a proposed substitution shall be final.
- C. If the Architect approves a proposed substitution prior to receipt of Bids, such approval will be set forth in an Addendum. Bidders shall not rely upon approvals made in any other manner.

- D. No substitutions will be considered after the Contract award unless specifically provided in the Contract Documents.

### 3.6 Addenda

- A. Addenda will be delivered promptly by the issuing office to all Bidders via State portal or CRDA website.
- B. Addenda concerning technical matters will not be issued later than the stipulated day prior to the date for receipt of Bids. The CRDA reserves the right to issue an Administrative Addendum at any time, withdrawing the request for Bids or postponing the date for receipt of Bids.
- C. Each Bidder shall confirm, prior to submitting a Bid that the Bidder has received all Addenda issued. The Bidder shall list the Addenda in the Bid.

### 3.7 Performance and Payment Bond Requirements

- A. Performance and Labor and Material Bonds to be furnished by the bidder awarded the contract shall be an amount not less than 100% of the contract price.
  - 1. Such bonds are required after receipt of bids and before execution of the Contract. The bonds shall be rated A minus or better by A.M. Best. The CRDA is to be listed as the bond obligee.
  - 2. If the Work is to be commenced prior to the execution of the contract, in response to a letter of intent or a limited notice to proceed, the Bidder shall, prior to commencement of the Work, submit evidence satisfactory to CRDA that such bonds will be furnished and delivered in accordance with this Subparagraph.
    - a. It is preferred that the bonds be written on the AIA 312 forms. Both bonds shall be written in the amount of the Contract Sum.
    - b. The bonds shall be dated on the date of the Contract.
    - c. The Bidder shall require the attorney-in-fact who executes the required bonds on behalf of the surety to affix thereto a certified and current copy of the power of attorney.
- B. The Bidder shall furnish with their Bid, evidence of its ability to obtain satisfactory Performance and Labor and Materials Payment Bonds in the full amount of the Contract Sum.
- C. Payment and performance bonds will be required from all subcontractors, except that in accordance with Connecticut General Statutes Sections 49-41, et. seq., the following restrictions apply:

A Payment Bond shall not be required to be furnished in relation to any sub-bid in which the total estimated cost of labor and materials under the contract to which the sub-bid is submitted is less than One Hundred Thousand Dollars (\$100,000.00).

A Performance Bond shall not be required to be furnished in relation to any sub-bid in which the total estimated cost of labor and materials under the contract to which the sub-bid is submitted is less than Fifty Thousand Dollars (\$50,000.00).

If the bidder is a small contractor or minority business enterprise pursuant to Connecticut General Statutes Section 4a-60g, it may provide in lieu of a Payment of Performance bond, a letter of credit in an amount equal to Ten Percent (10%) of the bid if the estimated value of the contract for which the bid is submitted is less than one hundred thousand dollars and in amount equal to Twenty-Five Percent (25%) if the estimated value of such contract is One Hundred Thousand Dollars (\$100,000.00) or greater.

- D. Obligees – All performance and payment bonds issued by the Contractor and each of its subcontractors on the Project shall name CRDA as obligee.

- E. Bond Adjustments for Change Order Work
  - 1. Actual additional bonding costs associated with the value of the Change Order will be compensable only when supported by written documentation by the bonding company that the Change Order requires an increase to the original Performance, Payment, Labor or Material Bond.
  - 2. The Contractor shall notify the bonding company at each \$500,000 increase to the contract value as the cumulative result of change orders. A copy of the Consent of Surety must be provided to the Owner prior to the execution of any change order which exceeds each cumulative \$500,000.
  - 3. Mark-up for Overhead and Profit shall not be applied to Change Orders for Increase in Bonds due to Change Order Work.

### 3.8 Insurance

- A. The Successful Bidder shall provide Insurance Liability Coverage as indicated in Schedule B Section 8 and Pollution Liability Coverage.
- B. The Successful Bidder shall submit a Certificate of Insurance as required in Schedule B Section 8 prior to the start of any Work on site. The Successful Bidder shall also submit a COI for each of its subcontractors and vendors prior to the start of their work on site.
- C. If the Work is to be commenced prior to the execution of the Contract, in response to a letter of intent or a limited notice to proceed, the Bidder shall, prior to commencement of the Work, Submit such Insurance.

### 3.9 Prevailing Wage

- A. Prevailing Wage Rates: Prevailing wages are required on this project pursuant to Connecticut General Statutes Section 31-53 (a) through (h), as amended. Bidders are also advised to download the CT Department of Labor Prevailing Wage RFP Package at the link provided in Attachment 4.
- B. Each contractor and subcontractor who is awarded a contract on or after October 1, 2002, shall be subject to the provisions of the Connecticut General Statutes, Section 31-55a concerning annual adjustments to prevailing wages.
- C. Wage Rates will be posted each July 1 on the Department of Labor website: <https://www.ctdol.state.ct.us/wgwkstnd/prevailwage.htm>. Such prevailing wage adjustments shall not be considered a matter for any contract amendment.
- D. The wages paid on an hourly basis to any mechanic, laborer or work person employed upon the work herein contracted to be done and the amount of payment or contribution paid or payable on behalf of each such employee to any employee welfare fund, as defined in subsection (h) of section 31-53 of the Connecticut General Statutes, shall be at a rate equal to the rate customary or prevailing for the same work in the same trade or occupation in the town in which such public works project is being constructed. Any subcontractor who is not obligated by agreement to make payment or contribution on behalf of such employees to any such employee welfare fund shall pay to each employee as part of his wages the amount of payment or contribution for his classification on each pay day.
- E. Certified Payrolls: In accordance with Connecticut General Statutes, 31-53 Certified Payrolls with a statement of compliance shall be submitted monthly to CRDA. Certified payrolls for the Contractor and all subcontractors working during the period shall be submitted with each Contractor's Application for Payment, covering all activities relating to the Application. Pay scale verification may be required by the Connecticut Department of Labor.
- F. The Bidder shall be responsible for managing all processes related to the prevailing wage requirements.



### 3.10 State Labor Standards Provisions, Laws and Regulations

- A. All provisions of all applicable State Labor Standards must be complied with under this Contract. The execution of the Contract by the Bidder binds him to all applicable State Labor Laws and Regulations. All such Standards, Laws and Regulations shall be binding to the same extent as if they were copied at length herein.
- B. As a condition of contract, any out-of-state contractor who is awarded work must provide CRDA with a copy of the State of Connecticut Trade License for Employees working in the State of Connecticut.
- C. Non-Resident Contractors – at the time of Contract signing, a certificate from the Commissioner of Revenue Services shall be provided which evidence that C.G.S. 12-430 for non-resident contractors has been met. For details, call the Department of Revenue Services at 1-800-541-3280, ext. 7. A link to the Department of Revenue Services is provided in the Document Appendix.

### 3.11 DAS Contractor Prequalification Certification

- A. Bidders shall be prequalified by the Connecticut Department of Administrative Services (DAS) for a minimum of \$2,000,000 for a single project. All prime bidders must be pre-qualified for Sitework. Each bidder shall hold a current "DAS Contractor Prequalification Certificate" (not a predetermination letter) from the Department of Administrative Services of the State of Connecticut according to C.G.S. 4a-100, C.G.S. §4b-101 and C.G.S. §4b-91. Bidders shall submit with their bids, unless noted otherwise, a "DAS Contractor Prequalification Certificate" along with a current "Update (bid) Statement".

Any bid submitted without a copy of the DAS Prequalification Certificate and an Update (Bid) Statement shall be invalid. If you have any questions regarding these requirements, contact DAS at telephone number 860-713-5280 or visit their web site at [Connecticut Department of Administrative Services](#)

### 3.12 Incurring Cost

- A. Bidders are solely responsible for any and all costs or expenses incurred in the preparation and submission of this bid.

## PART 4 – COMPLIANCE REQUIREMENTS AND CERTIFICATIONS

### 4.1 Non-Discrimination in Employment

- A. Each contractor, vendor, and supplier shall be subject to, and shall comply with the following requirements, included herein by reference, to insure through affirmative action that qualified employees, applicants for employment and subcontracting are not discriminated against because of race, creed, color, religion, age, sex, physical disability, or national origin. Said requirements shall include compliance with all applicable Federal, state and local statutes, ordinances and regulations relating to discrimination in employment. It shall be the responsibility of the bidder to be familiar with and knowledgeable about the above.
- B. The apparent successful bidder may be required to undergo a pre-award compliance review for the purpose of ascertaining whether in the opinion of the Owner the bidder is willing and/or capable of complying with the above requirements.
- C. Set-Aside Participation: The contract to be awarded is subject to contract compliance requirements mandated by Sections 4a-60 and 4a- 60a of the Connecticut General Statutes. Refer to the Commission on Human Rights and Opportunities Contract Compliance Regulations Notification to Bidders at

[http://www.ct.gov/chro/lib/chro/Notification\\_to\\_Bidders.pdf](http://www.ct.gov/chro/lib/chro/Notification_to_Bidders.pdf)

- D. All bidders must complete, sign, and return the CHRO Contract Compliance Regulations Notification to Bidders form to CRDA. Bids not included in this form will be considered incomplete and rejected. CHRO forms can be found at: <http://www.ct.gov/chro/cwp/view.asp?a=2525&Q=315900>
- E. Nondiscrimination Certification: Prior to award the selected contractor must provide a Nondiscrimination Certification pursuant to Connecticut General Statutes §§ 4a-60(a)(1) and 4a-60a(a)(1), as amended. This Certification form can be found at: [http://www.ct.gov/opm/cwp/view.asp?a=2982&q=390928&opmNav\\_GID=1806](http://www.ct.gov/opm/cwp/view.asp?a=2982&q=390928&opmNav_GID=1806)
- F. Bidders are advised that CRDA has a goal of 25% Small Business Enterprise (SBE) participation and 6.25% Minority Business Enterprise (MBE) participation from lower tier contractors/vendors in this contract. The Contractor is responsible for ensuring the SBE/MBE firms that have been selected are eligible contractors and must submit an Affirmative Action Plan to CHRO detailing their good faith efforts and processes for selecting these MBE/SBE companies.
- G. All provisions of all applicable State Labor Standards must be complied with under this Contract. CRDA is an Affirmative Action Equal Opportunity Employer.

#### 4.2 Ethics Affidavits and Certifications –

- A. Bidders are required to provide the following certifications. Links to these forms are provided in the Document Appendix.
  - 1. Campaign Contribution Certificate (Form.
- B. Campaign Contribution and Solicitation Ban: With regard to a State contract as defined in P.A. 07-01 having a value in a calendar year of \$50,000 or more or a combinations or series of such agreements or contracts having a value of \$100,000 or more, the authorized signatory to this submission in response to the State's solicitation expressly acknowledges receipt of the State Election Enforcement Commission's notice advising prospective state contractors of the state campaign contribution and solicitation prohibitions, and will inform its principals of the contents of the notice. See the Document Appendix for link to Notice to Executive Branch State Contractors and Prospective State Contractors of Campaign Contribution and Solicitation Limitations (SEEC Form 10)
- C. A Gift and Campaign Certification form must be updated annually by the successful Bidder. Annually, on or within two (2) weeks of the anniversary date of the execution of this contract, the successful Bidder shall submit a completed Annual Certification with authorizing resolution to CRDA, 100 Columbus Blvd., Suite 500, Hartford, CT 06103-2819. For the purposes of this paragraph, the execution date of the contract will be the date CRDA signs the contract.
- D. Conflict of Interest: All contractors must include a disclosure statement concerning any current business relationships (within the last three years) that pose a conflict of interest as defined by Connecticut General Statutes Section 1-85 (see the statute language in the Document Appendix).
- E. The successful Bidders must submit a [Contractor/Consultant Certification] Gift and Campaign Contribution Certification (Form 1) for contracts with a value of \$50,000 or more. This certification should be completed and submitted when requested. This Certification can be viewed at <https://portal.ct.gov/OPM/Fin-PSA/Forms/Ethics-Forms>.
- F. All acquisitions, agreements and contracts are subject to the provisions of the Connecticut General Statutes § 9-612 - regarding CAMPAIGN CONTRIBUTION RESTRICTION.

**PART 5 – GENERAL AND SPECIAL CONDITIONS****5.1 Taxes:**

- A. Tax Exempt Project: This project is tax exempt. A certificate of tax exemption will be provided by the CRDA to the successful bidder. State sales and use taxes are excluded except for taxes on rentals, tools, and other incidentals as determined by the state Department of Revenue and for which the Contractor is responsible.

**5.2 Miscellaneous:**

- A. OSHA Training – Pursuant to Connecticut General Statutes Sec. 31-53b (a) each contract entered into on or after July 1, 2007, for the construction, remodeling, refinishing, refurbishing, rehabilitation, alteration or repair of any public building project by the state or any of its agents, or by any political subdivision of the state or any of its agents, where the total cost of all work to be performed by all contractors and subcontractors in connection with the contract is at least one hundred thousand dollars, shall contain a provision requiring that, not later than thirty days after the date such contract is awarded, each contractor furnish proof to the Labor Commissioner that all employees performing manual labor on or in such public building, pursuant to such contract, have completed a course of at least ten hours in duration in construction safety and health approved by the federal Occupational Safety and Health Administration or, in the case of telecommunications employees, have completed at least ten hours of training in accordance with 29 CFR 1910.268. It is required that all on-site workers hold current OSHA 10-hour training certifications.
- B. Contract Provisions: Contractor agrees to the provisions set forth below, which shall also be included in any subcontract issued by the Contractor, with the applicability of terms to be adjusted accordingly. Any duplication of provisions already provided in this Contract Agreement shall be disregarded. In the event of a conflict between the following provisions and those contained in this Contract Agreement, the more stringent shall apply:
1. All work is to be performed in accordance with the requirements of the Contract Documents for this Project.
  2. The Contractor and all of its subcontractors agree to waive all rights to subrogation against CRDA and CRDA's agents, for damages caused by fire or other perils covered by insurance obtained for or in place upon the Project.
  3. The Contractor and all of its subcontractors must carry and maintain insurance coverage in accordance with the Contract Documents and file certificates of such coverage with CRDA.
  4. The Contractor and each of the Contractor's subcontractors must cooperate with, CRDA and permit a designated auditor or representative to review and audit the Contractor's books and records in connection with any costs charged to the Project and included in the price of any change orders.
- C. Qualified Work Force – The Contractor shall confirm that fabricator/installers meet the qualifications and are approved by the manufacturer if noted for the work to be performed.
- D. Parking: Contractor must limit on-street parking to one vehicle.
- E. Field Office: not required for this project.
- F. Cleanup: The Contractor is responsible for keeping all contracted work areas in a neat and orderly condition. This includes all designated storage areas. This Contractor shall perform daily clean-up operations within contracted work and storage areas.
- G. Snow and Ice Removal: Snow and ice removal shall be performed by the Contractor as required to

support their work.

- H. Document Coordination: Should a discrepancy exist between the requirements outlined within the Bid Documents or between the Bid Documents and the plans or specifications, the bid shall include the more stringent requirement.

## PART 6 – BID PROCEDURES AND SUBMISSION REQUIREMENTS

### 6.1 TIMELINE

Documents Available	11/15/23	
Mandatory Pre-Bid Walk Through	11/21/23	(10:00AM)
Last Day for Questions	11/29/23	(3:00 PM)
Bids Due	12/08/23	(1:00 PM)
Scope Reviews	12/14/23	(TBD)
<b>Contract Award</b>	<b>12/21/23</b>	
<b>Start Construction</b>	<b>1/02/24.</b>	

### 6.2 Pre-Bid Conference

A mandatory pre-bid walk through will be held at the site, at **10:00 AM on November 21, 2023.**

### 6.3 Bidder Question Procedure

All technical and bid questions must be in writing and emailed to Erica Levis at the following email address: [elevis@crdact.net](mailto:elevis@crdact.net). No questions shall be accepted after **3:00 on November 29, 2023.** Answers will be provided via addenda issued to all registered bidders and posted on the State Contracting Portal.

### 6.4 Preparation and Submission of Bid

- A. The form and style of Bids shall conform to the Bid Form included in this Instruction to Bidders.
1. Bids shall be submitted on forms identical to the form supplied with the Bidding Documents. Any modifications, revisions, deletions, etc. to the Bid Forms except where information is requested of the Bidder may be grounds for rejection of the Bid.
  2. Provide all requested information and completely fill in all blanks on the bid form. Use a typewriter or ink.
  3. Interlineations, alterations and erasures must be clearly legible and initialed by the signer of the Bid.
  4. On each copy of the Bid, include the legal name of the Bidder and a statement that defines the circumstance of ownership and control. The name of each person signing the proposal shall be typed or printed below the signature. When the proposal is signed by an agent of the Bidder, include evidence of current power of attorney. In every case, the proposal shall show the present business address of the Bidder, at which address communications will be received and service of notices accepted.
    - a. If the Bidder is a corporation, the proposal shall be signed in the name of the corporation and sealed by a duly authorized officer of the corporation.
    - b. If the Bidder is a partnership, the proposal shall be signed in the name or title under which the

organization is doing business by an officer whose official capacity shall be designated.

- c. If the Bidder is an individual, that individual shall sign the proposal in person, stating the name or title, if any, under which that individual is doing business.

**B. Bid Submission:**

1. One (1) original and two (2) copies of the Bid and other documents required to be submitted with the Bid shall be enclosed in a sealed envelope. The envelope shall be addressed to the party receiving the Bids and shall be identified with the Project name, and the Bidder's name and address. If the Bid is sent by mail, the sealed envelope shall be enclosed in a separate mailing envelope labeled SEALED BID ENCLOSED. An electronic copy shall also be submitted with bid.

2. ALL BIDS MUST BE SUBMITTED IN A SEALED ENVELOPE CLEARLY IDENTIFIED AS FOLLOWS:

**Silver Lane Plaza Abatement & Demolition CRDA Project # 24-015**

3. Bids may be submitted VIA: U.S. Mail, Overnight Mail or Hand and must be deposited at the designated location prior to the Bid Closing time and date.

4. Bids shall be addressed to:

Capital Region Development Authority (CRDA)  
100 Columbus Boulevard, Suite 500  
Hartford, CT. 06103-2819

Attn: Erica Levis

If you require assistance in locating CRDA's office call 860-527-0100.

5. Bid Closing Date: Bids will be received at **1:00 PM on December 8, 2022**, at the location indicated above and then opened. Late bids will not be accepted and will be returned to the bidder unopened. Extensions will not be granted. Bidders are invited to attend the bid opening.

- C. Bid Package – the Bid Package shall include the Bid Proposal Form and all of the documents listed in Attachment #1, List of Required Bid Forms.

## **6.5 Bid Security**

- A. As security, each bid must be accompanied by a bid bond in the form attached hereto in an amount which shall be Five Percent (5%) of the Base Bid. The Bid Bond If the bidder is a small contractor or minority business enterprise pursuant to Connecticut General Statutes Section 4a-60g, it may provide in lieu of a bid bond, a letter of credit in an amount equal to Ten Percent (10%) of the bid if the estimated value is less than one hundred thousand dollars and, in an amount, equal to Twenty-Five Percent (25%) if the estimated value is one hundred thousand dollars or greater.
- B. Failure of the successful Bidder to execute a contract in accordance with its bid shall result in the forfeiture of the bid bond.

## **6.6 Modification or Withdrawal of Bid**

- A. Bid Withdrawal: Bids may be withdrawn only by written request received from the Bidder prior to the deadline for submission. No bidder may withdraw its bid within forty-five (45) days from the actual date of bid opening. Withdrawn Bids may be resubmitted up to the date and time designated for the receipt of Bids provided that they are then fully in conformance with these Instructions to Bidders.

- B. Extension: Bids shall be valid for 45 days following the Bid Closing Date. If for some reason a contract cannot be awarded within the specified period, the time may be extended by mutual agreement between CRDA and the designated low bidder.
- C. Bid Modification: Bids may not be changed after the deadline for submission. A Bid submitted prior to the time and date designated for receipt of Bids, may be modified or withdrawn by notice to the party receiving Bids at the place designated for receipt of Bids prior to the deadline for submission. Such notice shall be in writing and signed by the Bidder. If notice is sent by telegram, written confirmation shall be mailed and postmarked on or before the date and time set for receipt of Bids. Any change shall be so worded as not to reveal the amount of the original Bid.
- D. Bid Clarification: CRDA reserves the right to request clarifications from any bidder, which shall be provided at the bidder's sole expense.

### **6.7 Post Bid Scope Review Meeting**

- A. After the public Bid opening there will be scope review meeting(s) with the apparent low Bidder(s). These meetings will be held at CRDA Offices at the Connecticut Convention Center, 100 Columbus Boulevard, Hartford, CT. The purpose of these meetings is to review the apparent low bidder's proposals. The apparent low bidders will be notified by CRDA and shall be available to attend these meetings.

### **6.8 Consideration of Bids**

- A. The properly identified Bids received on time at CRDA's office, will be opened publicly.
- B. CRDA reserves the right to do any of the following without liability, including but not limited to:
  - 1. Award in part,
  - 2. To reject any and all bids in whole or in part for misrepresentation or if the bidder is in default of any prior State contract, or if the bid or submission limits or modifies any of the terms and conditions and/or specifications of the bid.
  - 3. Cancel the award or execution of any contract prior to the "Notice to Proceed;"
  - 4. Advertise for new bids.
- C. CRDA also reserves the right to waive technical defect, irregularities and omissions if, in its judgment, the best interest of CRDA would be served.
- D. CRDA reserves the right to correct inaccurate awards resulting from clerical errors. This may include, in extreme circumstances, revoking the awarding of a contract already made to a bidder and subsequently awarding the contract to another bidder. Such an action on the part of CRDA shall not constitute a breach of contract on the part of CRDA since the contract with the initial bidder is deemed to be void ab initio and of no effect as if no contract ever existed between CRDA and the bidder.
- E. Every bid which is conditional or obscure, or which contains any addition not called for, may be considered invalid, and CRDA may reject every such bid.
- F. CRDA may reject a bid as non-responsive if the Bidder does not make all required pre-award submittals within the time designated by CRDA.

**6.9 Acceptance of Bid**

- A. It is the intent of the Owner to award a Contract to the lowest qualified Bidder offering the optimum combination of cost, service and schedule, provided that the apparent Low Bid has been submitted in accordance with the requirements of the Bidding Documents and does not exceed the funds available within the budget established for this project by the Owner. The Owner reserves the right to accept or reject any or all bids and to award the contract to the bidder deemed to be in its best interest. Consideration will also be given to the bidder's affirmative action plan.
- C. The Bidder will be required to establish to the satisfaction of the Owner the reliability and responsibility of the persons or entities proposed to furnish and perform the Work described in the Bidding Documents.
- D. Prior to the award of the Contract, the Owner will notify the Bidder in writing if the Owner has reasonable objection to a person or entity proposed by the Bidder. If the Owner has reasonable objection to a proposed person or entity, the Bidder may, at the Bidder's option, (1) withdraw the Bid, or (2) submit an acceptable substitute person or entity with an adjustment in the Base Bid to cover the difference in cost occasioned by such substitution. The Owner may accept the adjusted bid price or disqualify the Bidder.
- E. Persons and entities proposed by the Bidder and to whom the Owner has made no reasonable objection must be used on the Work for which they were proposed and shall not be changed except with the written consent of the Owner.

**An Affirmative Action/Equal Opportunity Employer. Minority/Women's Business enterprises are encouraged to apply.**

**DOCUMENT APPENDIX**

The following Ethics Forms are available at the website below:

Form 1 – Campaign Contribution Certification

[Ethics Forms \(ct.gov\)](http://www.ct.gov/ethics/lib/ethics/guides/contractors_guide_10.pdf) Guide to the Code of Ethics for Current or Potential State Contractors is available at:  
[http://www.ct.gov/ethics/lib/ethics/guides/contractors\\_guide\\_10.pdf](http://www.ct.gov/ethics/lib/ethics/guides/contractors_guide_10.pdf)

CHRO Bidder Contract Compliance Monitoring Report is available at:  
<http://www.ct.gov/chro/lib/chro/pdf/notificationtobidders.pdf>.

State Elections Enforcement Commission Form 10 is available at:  
[http://www.ct.gov/seec/lib/seec/forms/contractor\\_reporting/\\_seec\\_form\\_10\\_final.pdf](http://www.ct.gov/seec/lib/seec/forms/contractor_reporting/_seec_form_10_final.pdf)

Internal Revenue Service Form W-9 is available at:  
<https://www.irs.gov/uac/About-Form-W9>

Department of Revenue Services registration information for out of state contractors may be found at:  
<http://www.ct.gov/drs/cwp/view.asp?a=1454&q=506012>

**CONFLICT OF INTEREST STATUTE**

**Connecticut General Statutes Sec. 1-85; (Formerly Sec. 1-68), Interest in conflict with discharge of duties** – A public official, including an elected state official, or state employee has an interest which is in substantial conflict with the proper discharge of his duties or employment in the public interest and of his responsibilities as prescribed in the laws of this state, if he has reason to believe or expect that he, his spouse, a dependent child, or a business with which he is associated will derive a direct monetary gain or suffer a direct monetary loss, as the case may be, by reason of his official activity. A public official, including an elected state official, or state employee does not have an interest which is in substantial conflict with the proper discharge of his duties in the public interest and of his responsibilities as prescribed by the laws of this state, if any benefit or detriment accrues to him, his spouse, a dependent child, or a business with which he, his spouse or such dependent child is associated as a member of a profession, occupation or group to no greater extent than any other member of such profession, occupation or group. A public official, including an elected state official or state employee who has a substantial conflict may not take official action on the matter.



**LIST OF REQUIRED BID FORMS**

The following forms must be completed and submitted as part of the Bid Submission

1. Bid Form (including Addendum Acknowledgement, Subcontractor List and Bid Guarantee)
2. Standard Bid Bond Form
3. Contractors Price Itemization Form
4. DAS Contractor Prequalification Certification and current Update (bid) Statement
5. Surety Letter from bidders bonding company stating the bidder, if awarded a contract, can obtain the required Performance and Labor and Materials Payment Bonds in the full amount of the Base Bid.
6. OPM Ethics Form 1, Campaign Contribution Certification
7. OPM Ethics Form 2, Campaign Contribution Certificate
8. Guide to the Code of Ethics for Current or Potential State Contractors
9. Disclosure statement concerning any current business relationships (within the last three years) that pose a conflict of interest as defined by Connecticut General Statutes Section 1-85.
10. CHRO Bidder Contract Compliance Monitoring Report
11. State Elections Enforcement Commission Form 10
12. Internal Revenue Service Form W-9
13. General Conditions Certification
14. Labor Rates for each Trade Classification that will be used for this project on form attached as Attachment #2
15. Department of Revenue Services registration information for out-of-state contractors if required. Forms may be found at: <http://www.ct.gov/drs/cwp/view.asp?a=1454&q=506012>

**BID FORM**

**BF/1**

**SILVER LANE PLAZA ABATEMENT & DEMOLOTION**

**EAST HARTFORD, CT**

TO: **CAPITAL REGION DEVELOPMENT AUTHORITY**  
100 Columbus Boulevard, Suite 500  
Hartford, CT 06103-2819

Date: \_\_\_\_\_

Bidder's Name: \_\_\_\_\_

The undersigned, having inspected the site and familiarized ourselves/myself with the local conditions affecting the cost of the work and the Contract Documents; **Silver Lane Plaza Demolition** dated October 31, 2023, as prepared by **Christopher Williams Architects, LLC** and on file with **Capital Region Development Authority**, hereby propose to provide all labor, materials, tools, equipment, temporary facilities, transportation and other work necessary to complete the Silver Lane Plaza Demolition project as defined in the Bid Documents and the Contract Documents for the Contract Price of:

\_\_\_\_\_ Dollars

(\$ \_\_\_\_\_)

This Bid Price shall include all charges such as overhead, profit, insurance, permits, etc.

Submitted herewith is the Bid Price Itemization including an amount for all project components required by the Bid Documents. The sum of all listed components shall equal the Bid Price.

Submitted herewith are all the forms as listed in the Instructions to Bidders, in accordance with these Instructions to Bidders.

We/I acknowledge that should conditions make it necessary to revise the scope of the project, the Bid Price Itemization shall serve as the basis for adjustments to the Bid Price.

STANDARD BID BOND FORM

BF/2

SILVER LANE PLAZA ABATEMENT & DEMOLOTION, EAST HARTFORD, CT

CAPITAL REGION DEVELOPMENT AUTHORITY

KNOW ALL MEN BY THESE PRESENTS, That we, \_\_\_\_\_, hereinafter called the Principal, of \_\_\_\_\_, as Principal, and, \_\_\_\_\_ hereinafter called the Surety, a corporation organized and existing under the laws of the State of \_\_\_\_\_, and duly authorized to transact a surety business in the State of Connecticut, as Surety, are held and firmly bound unto Capital Region Development Authority, as Obligee, in the penal sum of five (5) percent of the amount of the bid set forth in a proposal hereinafter mentioned, lawful money of the United States of America, for the payment of which, well and truly to be made to the Obligee, the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, That, whereas the Principal has submitted or is about to submit a proposal to the Obligee related to a contract for Silver Lane Plaza Abatement & Demolition, CRDA Project # 24-015.

NOW, THEREFORE, if the said contract be awarded to the Principal and the Principal shall, within such time as may be specified, enter into the said contract in writing with the Capital Region Development Authority and give the required bonds, with surety acceptable to the Obligee, or if the Principal shall fail to do so, pay to the Obligee the damages which the Obligee may suffer by reason of such failure not exceeding the penalty of this bond, then this obligation shall be void, otherwise to remain in full force and effect.

SIGNED, SEALED AND DELIVERED this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
Principal's Signature

\_\_\_\_\_  
Surety

\_\_\_\_\_  
(Print name)

by \_\_\_\_\_  
Its attorney in fact

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
(Print name)

**GENERAL CONDITIONS CERTIFICATION**  
**SILVER LANE PLAZA ABATEMENT & DEMOLOTION, EAST HARTFORD, CT**

**BF/3**

Bidder's Name: \_\_\_\_\_

The undersigned hereby affirms the Bidder shall adhere to the Conditions as contained in this ITB, the Sample Contract and the Project Manual.

Submitted:

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Official)

\_\_\_\_\_  
(Print Name and Title of Official)

**BID FORM**

**BF/4**

**SILVER LANE PLAZA ABATEMENT & DEMOLOTION, EAST HARTFORD, CT**

Bidder's Name: \_\_\_\_\_

**CONTRACT PRICE ITEMIZATION**

Bid Item 1A – Mobilization/Demobilization LS \$ \_\_\_\_\_

Bid Item 1B – General Requirements LS \$ \_\_\_\_\_

Bid Item 1C – Bonds & Insurance LS \$ \_\_\_\_\_

Bid Item 2 – Abatement LS \$ \_\_\_\_\_

Bid Item 3 – Demolition LS \$ \_\_\_\_\_

Bid Total \$ \_\_\_\_\_

**Unit Prices 1-34:**

- A. A unit price is an amount proposed by Bidders and stated on the Bid Form as a price per unit of measurement for materials or services that will be added to or deducted from the Contract Sum by Change Order in the event the project Scope of Work is altered.
- B. Unit prices include material, any direct or indirect expenses of the Contractor or Sub-Contractor, profit, insurance, bonding, and any applicable taxes. The same unit price shall apply whether the work is added or deducted.

Item No. 1 – MINI CONTAINMENT PREPARATION TO ENCLOSE ASBESTOS/PCB ABATEMENT (up to 100 SF of material removal)

\$ \_\_\_\_\_ per containment

**BF/5**

Item No. 2 – SMALL CONTAINMENT PREPARATION TO ENCLOSE ASBESTOS/PCB ABATEMENT (>100-250 SF of material removal)

\$ \_\_\_\_\_ per containment

Item No. 3 – MEDIUM CONTAINMENT PREPARATION TO ENCLOSE ASBESTOS/PCB ABATEMENT (>250-750 SF of material removal)

\$ \_\_\_\_\_ per containment

Item No. 4 – LARGE CONTAINMENT PREPARATION TO ENCLOSE ASBESTOS/PCB ABATEMENT (>750-2,500 SF of material removal)

\$ \_\_\_\_\_ per containment

Item No. 5 – LIGHT GRAY CEMENTITIOUS PERFORATED PANEL CEILING OF WALKWAY CANOPY ROOF REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 6 – BLACK TAR SEALANT ON SOFFITS REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 7 – BLACK TAR – ROOF PATCH & ON COMPRESSOR UNIT REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 8 – BLACK TAR ASSOCIATED WITH SILVER COATING ON ROOF/SOFFITS REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 9 – GRAY EXTERIOR HORIZONTAL WALL JOIN CAULK REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 10 – WHITE HORIZONTAL JOINT REPAIR CAULK REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 11 – WHITE CAULK BETWEEN DOOR FRAME AND CMU REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

**BF/6**

Item No. 12 – BLACK MASTIC AND ASSOCIATED 9”X9” BLUE FLOOR TILE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 13 – 9”X9” GRAY FLOOR TILE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 14 – 9”X9” YELLOW FLOOR TILE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 15 – SILVER COATING ON ROOF VENTS REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 16 – BLACK ASPHALTIC FOUR-PLY ROOF MEMEBRANE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 17 – BLACK PAPERBACK ISOFOAM BOARD UNDER FOUR-PLY ROOF MEMEBRANE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 18 – WHITE CAULK ON ROOF CHIMNEY REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 19 – BLACK MASTIC AND ASSOCIATED 12”X12” BEIGE FLOOR TILE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 20 – BLACK MASTIC AND ASSOCIATED 9”X9” BLUE FLOOR TILE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 21 – BLACK MASTIC AND ASSOCIATED 9”X9” GRAY FLOOR TILE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 22 – GRAY CAULK ASSOCIATED WITH EXTERIOR VERTICAL WALL SEAM REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

**BF/7**

Item No. 23 – BLACK ASPHALTIC FOUR-PLY ROOF MEMBRANE FIELD AND FLASHING REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 24 – SILVER COATING OVER ROOF VENT REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 25 – WHITE CAULK BETWEEN WINDOW FRAME AND WHITE BRICK REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 26 – GRAY CAULK ASSOCIATED WITH HORIZONTAL WALL SEAM REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 27 – BLACK AND TAN RUBBER MAT ADHESIVE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 28 – TAN CAULK AT VERTICAL WINDOW FRAME/BRICK JOINT REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 29 – BLACK ASPHALTIC FOUR-PLY ROOF FLASHING REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 30 – GRAY CAULK AT VERTICAL SEAM ON BACK OF BUILDING FAÇADE/SIGN REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 31 – BLACK CAULK OVER WHITE CAULK ON CMU REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 32 – GRAY CAULK BETWEEN DOOR FRAME/BRICK REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

**BF/8**



Item No. 33 – WHITE MUDDERED FITTING INSULATION REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

\$ \_\_\_\_\_ square foot

\$ \_\_\_\_\_ glove bag

Item No. 34 – BLACK EXIT DOOR FRAME CAULK REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 35 – WHITE CAULK ALONG CMU ROOF WALLS REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 36 – SILVER TAR PAPER REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 37 – WHITE/LIGHT BLUE PLASTER CEILING REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 38 – WHITE CAULK BETWEEN METAL DOOR FRAME AND CMU REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 39 – DOOR WINDOW GLAZING COMPOUND REMOVAL AND DISPOSAL AS PCB BULK PRODUCT WASTE

\$ \_\_\_\_\_ window associated door

\$ \_\_\_\_\_ linear foot

Item No. 40 – WINDOW GLAZING REMOVAL AND DISPOSAL AS PCB BULK PRODUCT WASTE

\$ \_\_\_\_\_ window

\$ \_\_\_\_\_ linear foot

**BF/9**

Item No. 41 – DOOR/WINDOW CAULK REMOVAL AND DISPOSAL AS PCB-CONTAINING MATERIALS <50 PPM

\$ \_\_\_\_\_ door

\$ \_\_\_\_\_ window

\$ \_\_\_\_\_ linear foot

Item No.42 – WINDOW CAULK REMOVAL AND DISPOSAL AS PCB-CONTAINING MATERIALS <50 PPM

\$ \_\_\_\_\_ window

\$ \_\_\_\_\_ linear foot

Item No. 43 – CONTAINMENT, PPE, CLEANING MATERIALS & SUPPLIES, WASTE GENERATED DURING REMOVAL OF PRESUMED PCB WASTE – REMOVAL AND DISPOSAL AS PCB REMEDIATION WASTE.

\$ \_\_\_\_\_ per 55-gallon drum

Item No. 44 – DISPOSE OF LEAD PAINTED WASTE AS NON-HAZARDOUS FOR LEAD AS CONSTRUCTION DEBRIS

\$ \_\_\_\_\_ per 55-gallon drum

\$ \_\_\_\_\_ per cubic yard

Item No. 34 – DISPOSE OF LEAD PAINTED WASTE AS RCRA HAZARDOUS WASTE FOR DISPOSAL

\$ \_\_\_\_\_ per 55-gallon drum

\$ \_\_\_\_\_ per cubic yard

END OF UNIT PRICES

**BID FORM****BF/10****SILVER LANE PLAZA ABATEMENT & DEMOLOTION, EAST HARTFORD, CT**

Bidder's Name: \_\_\_\_\_

**GENERAL REQUIREMENTS**

The bidder shall, before submitting his Proposal, carefully examine the Contract Documents. He shall inspect in detail the site of the proposed work and familiarize himself with all the local conditions affecting The Work and the detailed requirements of construction. If his Proposal is accepted, he will be responsible for all errors in his Proposal resulting from his failure or neglect to comply with these instructions or errors in judgment arising from said inspections of the work site and examination of the Contract Documents. The Engineer and/or the Owner will, in no case, be responsible for any losses or change in Contractor's anticipated profits resulting from such failure or neglect.

If the bidder finds any language in the Contract inconsistent, vague or difficult to understand or interpret, for any reason, he shall request clarification in writing from the Engineer or Owner not less than 5 working days prior to the scheduled dates for response thereto in writing to all bidders known to the Owner. Unless the bidder seeks clarification in accordance with this paragraph, he will be deemed to have waived his rights, if any he had, to object to said Contract language as vague or misleading for any reason.

When the plans and Special Provisions include information pertaining to surface observations, material testing and other preliminary investigations, such information represents only the opinion of the Engineer as to the location, character, or quantity of the materials encountered and is only included for the convenience of the bidder. The Owner/Engineer assumes no responsibility whatever in respect to the sufficiency or accuracy of the information, and there is no guarantee, either expressed or implied, that the conditions indicated are accurate or unanticipated developments may not occur. Said information shall not be considered by the parties as a basis for the Contract award amount.

The Bidder agrees that adequate time was allowed for the bidder to inspect all work sites and, unless express written request has been made, the Engineer/Owner will be presumed to have supplied the bidder all the information and access required to adequately complete the Proposal.

The estimated quantities of work to be done and materials to be furnished under these Specifications are given in the Proposal. All quantities are to be considered as approximate and are to be used only for comparison of bids and as a basis for computing amounts of bid bonds, payments bonds and performance bonds to be furnished. The unit and lump sum prices to be tendered by the bidders are to be for the scheduled quantities as they may be increased or decreased.

**BID FORM****BF/11****SILVER LANE PLAZA ABATEMENT & DEMOLOTION, EAST HARTFORD, CT**

Bidder's Name: \_\_\_\_\_

Payments will be made to the Contractor only for the actual quantities of work performed and materials furnished in accordance with the Plans and Specifications. The scheduled quantities may each be increased or diminished or entirely deleted. Such changes may become necessary for the best interest of the project due to circumstances not known at the time the Contract was entered into or arising thereafter. In the event, in the sole judgment of the Owner or its representative such changes become necessary, the lump sum and unit prices set forth in the Proposal and embodied in the Contract shall remain valid.

Work acceptance is to be made by the Engineer.

Any extra work beyond the scheduled quantities requiring additional cost to the Owner shall be approved by the Owner prior to taking such action. Claims for extra work which have not been authorized in writing by the Owner and approved by the Engineer will be rejected and the Contractor shall not be entitled to payment thereof.

**CONSTRUCTION TIME**

Contractor shall reference the Instructions to Bidders for applicable requirements.

**RIGHT TO REJECT BIDS AND SIGNING CONTRACTS**

In submitting this Bid, it is understood that the right is reserved by the Owner to reject any and all bids, and/or negotiate with the selected bidder or bidders, including splitting the work into multiple contracts, all as may be in the best interest of the Owner. If written notice of acceptance of this bid is mailed, delivered and/or otherwise transmitted to the undersigned within sixty (60) days after the opening thereof, or at any time thereafter before this bid is withdrawn by written notification, the undersigned agrees to execute and deliver a Contract in the prescribed form. The Work shall be commenced by the successful bidder within 14 days after the Notice to Proceed from the Owner.

**BID FORM**

**BF/12**

**SILVER LANE PLAZA ABATEMENT & DEMOLOTION, EAST HARTFORD, CT**

Bidder's Name: \_\_\_\_\_

**ADDENDA ACKNOWLEDGMENT**

The undersigned acknowledges receipt of the following addenda:

<b>ADDENDUM NUMBER</b>	<b>DATE OF ADDENDUM</b>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

**BID FORM**

**BF/13**

**SILVER LANE PLAZA ABATEMENT & DEMOLOTION, EAST HARTFORD, CT**

Bidder's Name: \_\_\_\_\_

SUBCONTRACTOR'S LIST (If applicable)

(1) Name \_\_\_\_\_

Address \_\_\_\_\_

Work Scope \_\_\_\_\_

(2) Name \_\_\_\_\_

Address \_\_\_\_\_

Work Scope \_\_\_\_\_

(3) Name \_\_\_\_\_

Address \_\_\_\_\_

Work Scope \_\_\_\_\_

(4) Name \_\_\_\_\_

Address \_\_\_\_\_

Work Scope \_\_\_\_\_

(5) Name \_\_\_\_\_

Address \_\_\_\_\_

Work Scope \_\_\_\_\_

(6) Name \_\_\_\_\_

Address \_\_\_\_\_

Work Scope \_\_\_\_\_

(7) Name \_\_\_\_\_

Address \_\_\_\_\_

Work Scope \_\_\_\_\_

BID FORM

BF/14

SILVER LANE PLAZA ABATEMENT & DEMOLOTION, EAST HARTFORD, CT

Bidder's Name: \_\_\_\_\_

GENERAL STATEMENT

The information in this Bid is correct to the best information, knowledge, and belief of the undersigned. The undersigned has checked all of the above figures and understands that the owner will not be responsible for any errors or omissions on the part of the undersigned in preparing this bid. In submitting this bid, it is understood that the right is reserved by the Owner to reject any or all bids and waive all technicalities and informalities in connection therewith, including negotiating with the selected bidder or bidders, including splitting the work into multiple contracts, all as may be in the best interest of the Owner. It is agreed that this Bid may not be withdrawn for a period of 60 days from the time of opening.

The undersigned declares that the person or persons signing this bid is/are fully authorized to sign on behalf of the firm listed to all of the Bid's conditions and provisions thereof.

It is agreed that no persons or company other than the firm listed below or as otherwise indicated has any interest whatsoever in this Bid or the contract that may be entered into as a result of this Bid and that in all respects the Bid is legal and firm, submitted in good faith without collusion or fraud.

It is agreed that the undersigned has complied and/or will comply with all requirements of local, state or national laws, and that no legal requirements have been or will be violated in making or accepting this Bid, in awarding the contract to him and/or in the prosecution of the work required.

SIGNATURE OF BIDDER

(Date) \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_

(Firm Name) \_\_\_\_\_

(Seal)

(Address) \_\_\_\_\_

(Signature) \_\_\_\_\_

(Name Typed) \_\_\_\_\_

(Title) \_\_\_\_\_

Witness \_\_\_\_\_ Telephone \_\_\_\_\_

State of \_\_\_\_\_, County of \_\_\_\_\_

On this \_\_\_\_\_ day of, 20\_\_\_\_ before me personally came to me known who did depose and say that he is \_\_\_\_\_, of \_\_\_\_\_, the Corporation/Partner/Individual described in, and which executed the foregoing instrument and that such instrument is duly submitted on behalf of

Notary Public

**Attachment 1 - Labor & Equipment Rates**

Project: **Silver Lane Plaza Abatement & Demolition**

Location: **East Hartford, Connecticut**

Project Number: **CRDA Project # 24-015**

For additional work not reflected in the Lump Sum Bid Items or Unit Price Bid Items, the following labor rates shall apply. Use one sheet for each classification. Do not include Overhead and Profit.

Contractor: \_\_\_\_\_

Trade Classification: \_\_\_\_\_

	Straight Time	Time & Half	Double Time
A. Base Rate	_____	_____	_____
B. FICA	_____	_____	_____
C. FUTA	_____	_____	_____
D. SUTA	_____	_____	_____
E. Workman's Comp	_____	_____	_____
F. General Liability	_____	_____	_____
G. Benefits (list each)			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
H. Total	_____	_____	_____



**ATTACHMENT 2**

**SAMPLE CONTRACT**

The Contract for this project will be based on the AIA Document A104-2017, Standard Abbreviated Form of Agreement between Owner and Contractor.

**To be issued in an Addendum**

**ATTACHMENT 3**

**Department of Labor Prevailing Wage Rates**

**To be issued in Addendum**

**[Prevailing Wage Bid Package \(state.ct.us\)](#)**

**SCHEDULE A  
PLANS AND SPECIFICATIONS**

**Silver Lane Plaza Demolition**

**Design Drawings Dated October 31, 2023**

AO	COVER SHEET
C001	SITE PLAN, GENERAL ABBREVIATIONS & NOTES
C101	SITE DEMOLITION PLAN
C201	SITE RESORATION PLAN
C301	SITE DETAILS
REF	SITE SURVEY MAP
AD111	FIRST FLOOR DEMOLITION PLAN
AD201	ELEVATIONS

**Bid Specifications, dated October 31, 2023**

**DIVISION 1 GENERAL REQUIREMENTS**

01 1000	SUMMARY
01 2200	UNIT PRICES
01 3233	PHOTOGRAPHIC DOCUMENTATIONS
01 5000	TEMPORARY FACILITIES AND CONTROLS
01 5716	TEMPORARY PEST CONTROL
01 7419	CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL

**DIVISION 2 – EXISTING CONDITIONS**

02 0900	SITE RELATED DUSK CONTROL
02 3000	SUBSURFACE INVESTIGATIONS
02 4000	SITE PREPARATION
02 4116	STRUCTURE DEMOLITION
02 8213	ASBESTOS ABATEMENT
02 8214	ASBESTOS ROOFING ABATEMENT
02 8316	HANDLING OF LIGHTING BALLAST AND LAMPS CONTAINING PCB'S AND MERCURY
02 8319	LEAD PAINT AWAARBESS
02 8433	<50 PPM POLYCHLORINATED BIPHENYL ABATEMENT
02 8434	PCB BULK PRODUCT ABATEMENT

**DIVISION 31 – EARTHWORK**

31 2300	EXCAVATION BACKFILL COMPACTION AND DEWATERING
31 2323	BARROW MATERIALS
21 2333	TRENCHING AND BACKFILLING
21 2500	SOIL EROSION

**DIVISION 32**

- 32 1216 BITUMINOUS CONCRETE PAVEMENT.
- 32 9003 LAWNS AND GRASSES.
- 32 9210 VEGETATIVE SUPPORT MATERIALS.

**APPENDICES**

- A. HAZARDOUS BUILDING MATERIAL INSPECTION REPORT.
- B. WASTE MANAGEMENT FORM
- C. EAGLE VIEW REPORT
- D. PREVIOUS UTILITY BILLS
- E. TOWN OF EAST HARTFORD FORMS  
DEMOLITION PAMPHLET  
DEMOLITION CHECKLIST  
DEMOLITION PERMIT APPLICATION  
CT DPH DEMOLITION NOTIFICATION FORM  
EPA DEMOLITION NOTIFICATION REGULATIONS  
HOLD HARMLESS LETTER  
ORDINANCE SECTION 7-11 DEMOLITION OF STRUCTURES

**SCHEDULE B****STANDARD VENDOR TERMS AND CONDITIONS****Section 1 – Scope.**

Except as otherwise set forth in these Standard Terms and Conditions, all of the terms and conditions of the Agreement shall remain in full force and effect. If there is a conflict between the terms and conditions set forth in these Standard Terms and Conditions and the terms and conditions set forth in the Agreement, the terms and conditions set forth in these Standard Terms and Conditions shall prevail. Unless otherwise included herein, the defined terms used in these Standard Terms and Conditions shall have the same meaning as set forth in the Agreement.

**Section 2 – Laws and Regulations.**

This Agreement shall be interpreted under and governed by the laws of the State of Connecticut. Contractor, its employees and representatives shall at all times comply with all applicable laws, ordinances, statutes, rules, regulations, and orders of governmental authorities, including those having jurisdiction over its registration and licensing to perform services under this Agreement.

**Section 3 – Indemnity.**

To the fullest extent permitted by law, Contractor shall indemnify and shall defend and hold harmless the Capital Region Development Authority (CRDA), including their officers, agents, and employees from and against any and all suits, actions, legal or administrative proceedings, claims, demands, damages, liabilities, monetary loss, interest, attorney's fees, costs and expenses of whatsoever kind or nature arising out of the negligent acts or omissions of the Contractor or its employees, agents or sub-contractors, including those arising out of injury to or death of Contractor's employees or sub-contractors, whether arising before, during, or after completion of the services hereunder and in any manner directly or indirectly caused, occasioned or contributed to in whole or in part, by Contractor or its employees, agents or sub-contractors.

**Section 4 – Quality Surveillance and Examination of Records.**

All services performed by Contractor shall be subject to the inspection and approval of the State, CRDA and Desman at all times, and Contractor shall furnish all information concerning the services.

The State, CRDA or their representatives shall have the right, at reasonable hours, to inspect or examine the part of the plant or place of business or any books, records, and other documents of Contractor or its subcontractors pertaining to work performed under this Agreement and shall allow such representatives free access to any and all such plants, places of business, books and records. The State and CRDA will give the Contractor at least twenty-four (24) hours' notice of such intended examination. At the State's request, the Contractor shall provide the State and CRDA with hard copies or an electronic format of any data or information in the possession or control of the Contractor which pertains to the State's and CRDA's business under this Agreement.

The Contractor shall retain and maintain accurate records and documents relating to performance of services under this Agreement for a minimum of three (3) years after the final payment by the CRDA and shall make them available for inspection and audit by the State.

**Access to Contract and State Data.**

The Contractor shall provide to the Client Agency access to any data, as defined in Conn. Gen Stat. Sec. 4e-1, concerning the Contract and the Client Agency that are in the possession or control of the Contractor upon demand and shall provide the data to the Client Agency in a format prescribed by the Client Agency and the State Auditors of Public Accounts at no additional cost.

**Section 5 – Non-Discrimination.**

(a) For purposes of this Section, the following terms are defined as follows:

- i. "Commission" means the Commission on Human Rights and Opportunities;
  - ii. "Contract" and "contract" include any extension or modification of the Agreement or contract;
  - iii. "Contractor" and "contractor" include any successors or assigns of the Contractor or contractor;
  - iv. "Gender identity or expression" means a person's gender-related identity, appearance or behavior, whether or not that gender-related identity, appearance or behavior is different from that traditionally associated with the person's physiology or assigned sex at birth, which gender-related identity can be shown by providing evidence including, but not limited to, medical history, care or treatment of the gender-related identity, consistent and uniform assertion of the gender-related identity or any other evidence that the gender-related identity is sincerely held, part of a person's core identity or not being asserted for an improper purpose.
  - v. "good faith" means that degree of diligence which a reasonable person would exercise in the performance of legal duties and obligations;
  - vi. "good faith efforts" shall include, but not be limited to, those reasonable initial efforts necessary to comply with statutory or regulatory requirements and additional or substituted efforts when it is determined that such initial efforts will not be sufficient to comply with such requirements;
  - vii. "marital status" means being single, married as recognized by the State of Connecticut, widowed, separated, or divorced;
  - viii. "mental disability" means one or more mental disorders, as defined in the most recent edition of the American Psychiatric Association's "Diagnostic and Statistical Manual of Mental Disorders", or a record of or regarding a person as having one or more such disorders;
  - ix. "minority business enterprise" means any small contractor or supplier of materials fifty-one percent or more of the capital stock, if any, or assets of which is owned by a person or persons:
    - (1) who are active in the daily affairs of the enterprise,
    - (2) who have the power to direct the management and policies of the enterprise, and
    - (3) who are members of a minority, as such term is defined in subsection (a) of Connecticut General Statutes § 32-9n; and
  - x. "public works contract" means any agreement between any individual, firm or corporation and the State or any political subdivision of the State other than a municipality for construction, rehabilitation, conversion, extension, demolition or repair of a public building, highway or other changes or improvements in real property, or which is financed in whole or in part by the State, including, but not limited to, matching expenditures, grants, loans, insurance or guarantees. For purposes of this Section, the terms "Contract" and "contract" do not include a contract where each contractor is (1) a political subdivision of the state, including, but not limited to, a municipality, (2) a quasi-public agency, as defined in Connecticut General Statutes § 1-120, (3) any other state, including but not limited to any federally recognized Indian tribal governments, as defined in Connecticut General Statutes § 1-267, (4) the federal government, (5) a foreign government, or (6) an agency of a subdivision, agency, state or government described in the immediately preceding enumerated items (1), (2), (3), (4) or (5).
- (b) (1) The Contractor agrees and warrants that in the performance of the Agreement such Contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, mental retardation, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by such Contractor that such disability prevents performance of the work involved, in any manner prohibited by the laws of the United States or of the State of Connecticut; and the Contractor

- further agrees to take affirmative action to insure that applicants with job-related qualifications are employed and that employees are treated when employed without regard to their race, color, religious creed, age, marital status, national origin, ancestry, sex, gender identity or expression, mental retardation, mental disability or physical disability, including, but not limited to, blindness, unless it is shown by the Contractor that such disability prevents performance of the work involved;
- (2) the Contractor agrees, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, to state that it is an "affirmative action-equal opportunity employer" in accordance with regulations adopted by the Commission;
  - (3) the Contractor agrees to provide each labor union or representative of workers with which the Contractor has a collective bargaining Agreement or other contract or understanding and each vendor with which the Contractor has a contract or understanding, a notice to be provided by the Commission, advising the labor union or workers' representative of the Contractor's commitments under this section and to post copies of the notice in conspicuous places available to employees and applicants for employment;
  - (4) the Contractor agrees to comply with each provision of this Section and C.G.S. §§ 46a-68e and 46a-68f and with each regulation or relevant order issued by said Commission pursuant to C.G.S. §§ 46a-56, 46a-68e and 46a-68f; and
  - (5) the Contractor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the Commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the Contractor as they relate to the provisions of this Section and C.G.S. § 46a-56. If the contract is a public works contract, the Contractor agrees and warrants that he will make good faith efforts to employ minority business enterprises as subcontractors and suppliers of materials on such public works projects.
- (c) Determination of the Contractor's good faith efforts shall include, but shall not be limited to, the following factors: The Contractor's employment and subcontracting policies, patterns and practices; affirmative advertising, recruitment and training; technical assistance activities and such other reasonable activities or efforts as the Commission may prescribe that are designed to ensure the participation of minority business enterprises in public works projects.
  - (d) The Contractor shall develop and maintain adequate documentation, in a manner prescribed by the Commission, of its good faith efforts.
  - (e) The Contractor shall include the provisions of subsection (b) of this Section in every subcontract or purchase order entered into in order to fulfill any obligation of a contract with the State and such provisions shall be binding on a subcontractor, vendor or manufacturer unless exempted by regulations or orders of the Commission. The Contractor shall take such action with respect to any such subcontract or purchase order as the Commission may direct as a means of enforcing such provisions including sanctions for noncompliance in accordance with C.G.S. §46a-56; provided if such Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the Commission, the Contractor may request the State of Connecticut to enter into any such litigation or negotiation prior thereto to protect the interests of the State and the State may so enter.
  - (f) The Contractor agrees to comply with the regulations referred to in this Section as they exist on the date of this Agreement and as they may be adopted or amended from time to time during the term of this and any amendments thereto.
  - (g)
    - (1) The Contractor agrees and warrants that in the performance of the Agreement such Contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of sexual orientation, in any manner prohibited by the laws of the United States or the State of Connecticut, and that employees are treated when employed without regard to their sexual orientation;
    - (2) the Contractor agrees to provide each labor union or representative of workers with which such Contractor has a collective bargaining Agreement or other contract or understanding and each vendor with which

such Contractor has a contract or understanding, a notice to be provided by the Commission on Human Rights and Opportunities advising the labor union or workers' representative of the Contractor's commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment;

- (3) the Contractor agrees to comply with each provision of this section and with each regulation or relevant order issued by said Commission pursuant to C.G.S. § 46a-56; and
  - (4) the Contractor agrees to provide the Commission on Human Rights and Opportunities with such information requested by the Commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the Contractor which relate to the provisions of this Section and C.G.S. § 46a-56.
- (h) The Contractor shall include the provisions of the foregoing paragraph in every subcontract or purchase order entered into in order to fulfill any obligation of a contract with the State and such provisions shall be binding on a subcontractor, vendor or manufacturer unless exempted by regulations or orders of the Commission. The Contractor shall take such action with respect to any such subcontract or purchase order as the Commission may direct as a means of enforcing such provisions including sanctions for noncompliance in accordance with Connecticut General Statutes § 46a-56; provided, if such Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the Commission, the Contractor may request the State of Connecticut to enter into any such litigation or negotiation prior thereto to protect the interests of the State and the State may so enter.

#### **Section 6 – Nondiscrimination Certification.**

Pursuant to subsection (c) of section 4a-60 and subsection (b) of section 4a-60a of the Connecticut General Statutes, the Contractor, for itself and its authorized signatory of this Contract, affirms that it understands the obligations of this section and that it will maintain a policy for the duration of the Contract to assure that the Contract will be performed in compliance with the nondiscrimination requirements of such sections. The Contractor and its authorized signatory of this Contract demonstrate their understanding of this obligation by either (A) having provided an affirmative response in the required online bid or response to a proposal question which asks if the contractor understands its obligations under such sections, or (B) initialing this nondiscrimination affirmation in the following box:

#### **Section 7 – Freedom of Information Requirements.**

Contractor acknowledges that Owner is a “public agency” for the purposes of the Connecticut Freedom of Information Act (the “FOIA”) and that information relating to Contractor and its affairs received or maintained by Owner, either directly or through CRDA, shall constitute “public records or files” for the purposes of the FOIA subject to public access and disclosure in the manner provided in the FOIA, unless another specific exemption from public access and disclosure requirements of the FOIA is available in connection with particular records or files received or maintained by Owner.

#### **Section 8 – Insurance.**

Contractor agrees to maintain insurance policies protecting its property interests for the Silver Lane Sidewalk Construction Project located in the general area as defined in Section in 2.1.B.d of the Instruction to Bidders covering the following risks in the following minimum amounts and named additional insureds:

- (a) Workers’ Compensation - Contractor shall secure and deliver to CRDA evidence of workers’ compensation (including occupational disease hazards) and Employer’s Liability insurance, insuring their employees in amounts equal to or greater than required under Connecticut law. Provided that such required amounts are provided under Contractor’s excess/umbrella coverage, the Employer’s Liability insurance limits may be the minimum required by the excess/umbrella carrier as an underlying limit.
- (b) Commercial General Liability - Contractor shall secure and deliver to CRDA prior to the commencement of the term hereunder and shall keep in force at all times thereafter during the term of the Agreement, a



commercial general liability insurance policy, including bodily injury, personal injury and property damage, covering Contractor's activities and loss and damage to the Stadium and other facilities at the Stadium site occurring in connection with Contractor's activities, in the amount of not less than One Million Dollars (\$1,000,000.00) per occurrence and not less than Two Million Dollars (\$2,000,000.00) in the aggregate per policy year, including products and completed operations, personal and advertising injury and blanket contractual liability coverage. Contractor shall also maintain umbrella liability insurance (following form) for the commercial general liability and employers' liability matters covered by the policies described in this Section hereof with a limit of Ten Million Dollars (\$10,000,000) in the aggregate.

- (d) Evidence of Insurance - Contractor shall provide to CRDA, not later than the commencement date of this Agreement and annually thereafter, certificates of insurance evidencing the coverage's required by this Section, all in such form as CRDA may reasonably require, with Contractor as the named insured and with CRDA, the Town of East Hartford and the CT Department of Transportation (DOT) as additional insureds. The policies for said coverage shall contain a provision covering Contractor's indemnification liabilities to CRDA, the Town of East Hartford and CT DOT (to the extent that the loss is of a nature that it would otherwise be covered under such insurance). Notwithstanding the provisions of this Section, the above policies may contain exclusions from coverage which are reasonable and customary for policies of such type.
- (e) Other Insurance Requirements -
- (i) All insurance required to be maintained under this Agreement must be placed with insurance companies reasonably licensed to do business in the state of Connecticut with the financial rating of at least A-(VIII) or better by the latest edition of A.M. Best's Rating Guide or, if such guide is no longer available, any generally recognized replacement, therefore. All insurance required hereunder shall be written on an "occurrence" (as opposed to "claims made") basis.
- (ii) A certificate of insurance (evidencing renewal or replacement of coverage) shall be delivered to CRDA at least thirty (30) days before a policy's expiration date except for any policy expiring on the termination date of this Agreement or thereafter.
- (iii) All insurance procured by Contractor in accordance with the requirements of this Agreement shall be primary over any insurance carried by CRDA, shall not require contribution by CRDA and shall provide that the insurer shall have no right of recovery or subrogation against CRDA.

### **Section 9 – Confidentiality.**

Contractor and CRDA each agree that neither will, at any time during or after the term of this Agreement, disclose or disseminate to any other person or entity, or use except as permitted by this Agreement, any information regarding the business, financial results, data, or marketing and business plans obtained during the course of performance under this Agreement (the "Confidential Information"). Each party will use its best efforts to ensure that any Confidential Information obtained from the other party will be disclosed only to the receiving party's employees and agents and only on a "need-to-know" basis, and that such employees and agents will be bound by an obligation to maintain the confidentiality of the Confidential Information similar to the obligations of CRDA and Contractor under this Section. Nothing contained herein will be construed to restrict or impair in any way the right of the parties to disclose or communicate any information which

- (i) is at the time of its disclosure hereunder generally available to the public;
- (ii) becomes generally available to the public through no fault of the receiving party;
- (iii) is, prior to its initial disclosure hereunder, in the possession of the receiving party as evidenced in a documentary form;
- (iv) is independently developed by a party without use of or reference to any of the other party's Confidential Information;
- (v) is acquired by the receiving party from any third party having a right to disclose it to the receiving party;

- (vi) is necessary for the receiving party to disclose in connection with a merger or acquisition or proposed merger or acquisition, or the like, provided the party to whom such disclosure is being made executes a confidentiality agreement in a form reasonably satisfactory to the party whose Confidential Information is being disclosed; or
- (vii) is necessary to be shared with CRDA.

**Section 10 – Publicity.**

CRDA reserves the right to release all information relating to the subject matter of this Agreement and to determine the form, content, and timing of the release of such information. Contractor will not divulge information concerning the subject matter of this Agreement to anyone (including, but not limited to a governmental authority in application for a permit, approval, or clearance, or to market its services) without CRDA's prior written consent, unless the disclosure is made by Contractor pursuant to the requirement or request of a governmental agency or court of competent jurisdiction to the extent such disclosure is required by a valid law, regulation or court order, and other sufficient notice is given by the Contractor to CRDA of any such requirement or request to permit CRDA to seek an appropriate protective order or exemption from such requirement or request. The requirements of this Section shall survive the termination or expiration of this Agreement.

**Section 11 – Severability.**

The failure of CRDA or Contractor to insist upon the strict performance of any provisions of this Agreement, or the failure of CRDA or Contractor to exercise any right, option or remedy hereby reserved, shall not be construed as waiver for the future of any such provision, right option or remedy or as a waiver of a subsequent breach thereof. No provision of this Agreement shall be deemed to have been waived unless such waiver shall be in writing signed by the party to be charged.

**Section 12 – Precedence.**

In the case of any inconsistency between the provisions of the Agreement, including these Standard Terms and Conditions, and the provisions of Conn. Gen. Stat. Chapter 588z, the provisions of Conn. Gen. Stat. Chapter 588z shall govern.

**Section 13 – Summary of Ethics Laws.**

Pursuant to the requirements of section 1-101qq of the Connecticut General Statutes

- (a) the State has provided to the Contractor the summary of State ethics laws developed by the State Ethics Commission pursuant to section 1-81b of the Connecticut General Statutes, which summary is incorporated by reference into and made a part of this Agreement as if the summary had been fully set forth in this Contract;
- (b) the Contractor represents that the chief executive officer or authorized signatory of the Agreement and all key employees of such officer or signatory have read and understood the summary and agree to comply with the provisions of state ethics law;
- (c) prior to entering into a contract with any subcontractors or consultants, the Contractor shall provide the summary to all subcontractors and consultants and each such contract entered into with a subcontractor or consultant on or after July 1, 2021, shall include a representation that each subcontractor or consultant and the key employees of such subcontractor or consultant have read and understood the summary and agree to comply with the provisions of state ethics law;
- (d) failure to include such representations in such contracts with subcontractors or consultants shall be cause for termination of the Contract; and
- (e) each contract with such contractor, subcontractor or consultant shall incorporate such summary by reference as a part of the contract terms.

**Section 14 – Large State Contract Representation for Contractor.**

Pursuant to section 4-252 of the Connecticut General Statutes and Acting Governor Susan Bysiewicz Executive Order No. 21-2, promulgated July 1, 2021, the Contractor, for itself and on behalf of all of its principals or key personnel who submitted a bid or proposal, represents:

- (1) That no gifts were made by (A) the Contractor, (B) any principals and key personnel of the Contractor, who participate substantially in preparing bids, proposals or negotiating State contracts, or (C) any agent of the Contractor or principals and key personnel, who participates substantially in preparing bids, proposals or negotiating State contracts, to (i) any public official or State employee of the State agency or quasi-public agency soliciting bids or proposals for State contracts, who participates substantially in the preparation of bid solicitations or requests for proposals for State contracts or the negotiation or award of State contracts, or (ii) any public official or State employee of any other State agency, who has supervisory or appointing authority over such State agency or quasi-public agency;
- (2) That no such principals and key personnel of the Contractor, or agent of the Contractor or of such principals and key personnel, knows of any action by the Contractor to circumvent such prohibition on gifts by providing for any other principals and key personnel, official, employee or agent of the Contractor to provide a gift to any such public official or State employee; and
- (3) That the Contractor is submitting bids or proposals without fraud or collusion with any person.

**Section 15 – Large State Contract Representation for Official or Employee of State Agency.**

Pursuant to section 4-252 of the Connecticut General Statutes and Acting Governor Susan Bysiewicz Executive Order No. 21-2, promulgated July 1, 2021, the State agency official or employee represents that the selection of the most qualified or highest ranked person, firm or corporation was not the result of collusion, the giving of a gift or the promise of a gift, compensation, fraud or inappropriate influence from any person.

**Section 16 – Executive Orders.**

This Agreement is subject to the provisions of Executive Order No. Three of Governor Thomas J. Meskill, promulgated June 16, 1971, concerning labor employment practices, Executive Order No. Seventeen of Governor Thomas J. Meskill, promulgated February 15, 1973, concerning the listing of employment openings and Executive Order No. Sixteen of Governor John G. Rowland, promulgated August 4, 1999, concerning violence in the workplace, all of which are incorporated into and are made a part of the Agreement as if they had been fully set forth in it. The Agreement may also be subject to Executive Order No. 14 of Governor M. Jodi Rell, promulgated April 17, 2006, concerning procurement of cleaning products and services. If Executive Order 14 is applicable, it is deemed to be incorporated into and made a part of the Agreement as if it had been fully set forth in it. At the Contractor's request, the Client Agency or DAS shall provide a copy of these orders to the Contractor.

**Section 17 – Executive Orders for IT Contracts.**

This Agreement is subject to the provisions of Executive Order No. Three of Governor Thomas J. Meskill, promulgated June 16, 1971, concerning labor employment practices, Executive Order No. Seventeen of Governor Thomas J. Meskill, promulgated February 15, 1973, concerning the listing of employment openings and Executive Order No. Sixteen of Governor John G. Rowland, promulgated August 4, 1999, concerning violence in the workplace, all of which are incorporated into and are made a part of this Agreement as if they had been fully set forth in it. This Agreement may also be subject to Executive Order No. 14 of Governor M. Jodi Rell, promulgated April 17, 2006, concerning procurement of cleaning products and services and Executive Order No. 61 of Governor Dannel P. Malloy, promulgated December 13, 2017, concerning the Policy for the Management of State Information Technology Projects, as issued by the Office of permit and Management, Policy ID IT-SDLC-17-04. If Executive Orders 14 or 61 are applicable, they are deemed to be incorporated into and are made a part of this Agreement as if they had been fully set forth in it. At the Contractor's request, the State shall provide a copy of these orders to the Contractor.

**Section 18 – Iran Energy Investment Certification.**

- (a) Pursuant to section 4-252a of the Connecticut General Statutes, the Contractor certifies that it has not made a direct investment of twenty million dollars or more in the energy sector of Iran on or after October 1, 2013, as described in Section 202 of the Comprehensive Iran Sanctions, Accountability and Divestment Act of 2010, and has not increased or renewed such investment on or after said date.
- (b) If the Contractor makes a good faith effort to determine whether it has made an investment described in subsection (a) of this section shall not be subject to the penalties of false statement pursuant to section 4-252a of the Connecticut General Statutes. A "good faith effort" for purposes of this subsection includes a determination that the Contractor is not on the list of persons who engage in certain investment activities in Iran created by the Department of General Services of the State of California pursuant to Division 2, Chapter 2.7 of the California Public Contract Code. Nothing in this subsection shall be construed to impair the ability of the State agency or quasi-public agency to pursue a breach of contract action for any violation of the provisions of the Contract.

**Section 19 – Campaign Contribution Restriction.**

For all State contracts, defined in section 9-612 of the Connecticut General Statutes as having a value in a calendar year of \$50,000 or more, or a combination or series of such agreements or contracts having a value of \$100,000 or more, the authorized signatory to this Contract represents that they have received the State Elections Enforcement Commission’s notice advising state contractors of state campaign contribution and solicitation prohibitions, and will inform its principals of the contents of the notice.

**Section 20 – Consulting Agreements Representation.**

Pursuant to section 4a-81 of the Connecticut General Statutes, the Contractor represents that it has not entered into any consulting agreements in connection with this Contract, except for the agreements listed below. "Consulting agreement" means any written or oral agreement to retain the services, for a fee, of a consultant for the purposes of

- (A) providing counsel to a contractor, vendor, consultant or other entity seeking to conduct, or conducting, business with the State,
- (B) contacting, whether in writing or orally, any executive, judicial, or administrative office of the State, including any department, institution, bureau, board, commission, authority, official or employee for the purpose of solicitation, dispute resolution, introduction, requests for information, or
- (C) any other similar activity related to such contracts. "Consulting agreement" does not include any agreements entered into with a consultant who is registered under the provisions of chapter 10 of the Connecticut General Statutes as of the date such contract is executed in accordance with the provisions of section 4a-81 of the Connecticut General Statutes

Contractor’s Name and Title	Name of Firm (if applicable)
-----------------------------	------------------------------

Start Date	End Date	Cost
------------	----------	------

The basic terms of the consulting agreement are: \_\_\_\_\_

Description of Services Provided: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Is the Contractor a former State employee or former public official?     YES     NO

If YES: \_\_\_\_\_  
                    Name of Former State Agency                      Termination Date of Employment

The undersigned, being the person signing the Contract, swears that the representation in the Consulting Agreements Representation provision in this Contract is true to the best of my knowledge and belief, and is subject to the penalties of false statement.

\_\_\_\_\_  
Signature of person signing this Contract

Print Name \_\_\_\_\_ Date: \_\_\_\_\_

Sworn and subscribed before me on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Commissioner of the Superior Court  
or Notary Public

\_\_\_\_\_  
My Commission Expires



## SECTION 01 1000 - SUMMARY

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section Includes:

1. Project information.
2. Work covered by Contract Documents.
3. Work by Owner.
4. Work under separate contracts.
5. Access to site.
6. Coordination with neighbors.
7. Work restrictions.
8. Specification and drawing conventions.
9. Miscellaneous provisions.

- B. Related Requirements:

1. Section 01 5000 "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

#### 1.3 PROJECT INFORMATION

- A. Project Identification: Silver Lane Plaza Demolition.

1. Project Location: 818-850 Silver Lane, East Hartford, CT 06118.

- B. Owner: The East Hartford Redevelopment Agency; 740 Main Street, East Hartford, CT 06108

1. Owner's Representative: Douglas Wilson

- C. Administrator on behalf of the Owner: Capitol Regional Development Authority; 100 Columbus Blvd Suite 500, Hartford, CT 06103

- D. Architect: Christopher Williams Architects; 85 Willow Street, New Haven, CT 06511.

- E. Other Owner Consultants: The Owner has retained the following design professionals who have prepared designated portions of the Contract Documents:

1. Hazardous Materials Consultant: Fuss & O'Neill; 146 Hartford Road, Manchester, CT 06040 has prepared the following portions of the Contract Documents.

#### 1.4 WORK COVERED BY CONTRACT DOCUMENTS

- A. The Work of Project is defined by the Contract Documents and consists of the following:
  1. Demolition, removal and legal disposal of the entire building, including foundation.
  2. Site Demolition.
  3. Site Restoration.
- B. Type of Contract:
  1. Project will be constructed under a single prime contract.

#### 1.5 ACCESS TO SITE

- A. General: Contractor shall have full use of Project site for construction operations during construction period. Contractor's use of Project site is limited only by Owner's right to perform work or to retain other contractors on portions of Project.
- A. Use of Site: Limit use of Project site to work in areas indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.
  1. Limits: Confine construction operations to areas outside of wetlands
  2. Driveways, Walkways and Entrances: Keep driveways and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.

#### 1.6 WORK RESTRICTIONS

- A. Work Restrictions, General: Comply with restrictions on construction operations.
  1. Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.
- B. On-Site Work Hours: Limit work in the existing building to normal business working hours of 8:00 a.m. to 5:00 p.m., Monday through Friday, unless otherwise indicated.
- C. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to Owner occupancy with Owner.
  1. On-site crushing of materials will be strictly prohibited.



- D. Employee Screening: Comply with Owner's requirements for drug and background screening of Contractor personnel working on Project site.
  - 1. Maintain list of approved screened personnel with Owner's representative.

## 1.7 SPECIFICATION AND DRAWING CONVENTIONS

- A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
  - 1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
  - 2. Specification requirements are to be performed by Contractor unless specifically stated otherwise.
- B. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.
- C. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:
  - 1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
  - 2. Abbreviations: Materials and products are identified by abbreviations published as part of the U.S. National CAD Standard.
  - 3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 1000



**SECTION 01 22 00 – UNIT PRICES**

**PART 1 - GENERAL**

1.1 SUMMARY

- A. A unit price is an amount proposed by Bidders and stated on the Bid Form as a price per unit of measurement for materials or services that will be added to or deducted from the Contract Sum by Change Order in the event the project Scope of Work is altered.
- B. Unit prices include material, any direct or indirect expenses of the Contractor or Sub-Contractor, profit, insurance, bonding, and any applicable taxes. **The same unit price shall apply whether the work is added or deducted.**

**PART 2 - PRODUCTS (Not Used)**

**PART 3 - EXECUTION**

- A. Unit Prices in accordance with the following schedule will apply to this Contract.

Item No. 1 – MINI CONTAINMENT PREPARATION TO ENCLOSE ASBESTOS/PCB ABATEMENT (up to 100 SF of material removal)

\$ \_\_\_\_\_ per containment

Item No. 2 – SMALL CONTAINMENT PREPARATION TO ENCLOSE ASBESTOS/PCB ABATEMENT (>100-250 SF of material removal)

\$ \_\_\_\_\_ per containment

Item No. 3 – MEDIUM CONTAINMENT PREPARATION TO ENCLOSE ASBESTOS/PCB ABATEMENT (>250-750 SF of material removal)

\$ \_\_\_\_\_ per containment

Item No. 4 – LARGE CONTAINMENT PREPARATION TO ENCLOSE ASBESTOS/PCB ABATEMENT (>750-2,500 SF of material removal)

\$ \_\_\_\_\_ per containment

Item No. 5 – LIGHT GRAY CEMENTITIOUS PERFORATED PANEL CEILING OF WALKWAY CANOPY ROOF REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 6 – BLACK TAR SEALANT ON SOFFITS REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 7 – BLACK TAR – ROOF PATCH & ON COMPRESSOR UNIT REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 8 – BLACK TAR ASSOCIATED WITH SILVER COATING ON ROOF/SOFFITS REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 9 – GRAY EXTERIOR HORIZONTAL WALL JOIN CAULK REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 10 – WHITE HORIZONTAL JOINT REPAIR CAULK REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 11 – WHITE CAULK BETWEEN DOOR FRAME AND CMU REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 12 – BLACK MASTIC AND ASSOCIATED 9”X9” BLUE FLOOR TILE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 13 – 9”X9” GRAY FLOOR TILE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 14 – 9”X9” YELLOW FLOOR TILE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 15 – SILVER COATING ON ROOF VENTS REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 16 – BLACK ASPHALTIC FOUR-PLY ROOF MEMEBRANE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 17 – BLACK PAPERBACK ISOFOAM BOARD UNDER FOUR-PLY ROOF MEMEBRANE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 18 – WHITE CAULK ON ROOF CHIMNEY REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 19 – BLACK MASTIC AND ASSOCIATED 12”X12”” BEIGE FLOOR TILE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 20 – BLACK MASTIC AND ASSOCIATED 9”X9” BLUE FLOOR TILE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 21 – BLACK MASTIC AND ASSOCIATED 9”X9” GRAY FLOOR TILE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 22 – GRAY CAULK ASSOCIATED WITH EXTERIOR VERTICAL WALL SEAM REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 23 – BLACK ASPHALTIC FOUR-PLY ROOF MEMBRANE FIELD AND FLASHING REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 24 – SILVER COATING OVER ROOF VENT REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 25 – WHITE CAULK BETWEEN WINDOW FRAME AND WHITE BRICK REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 26 – GRAY CAULK ASSOCIATED WITH HORIZONTAL WALL SEAM REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 27 – BLACK AND TAN RUBBER MAT ADHESIVE REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 28 – TAN CAULK AT VERTICAL WINDOW FRAME/BRICK JOINT REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 29 – BLACK ASPHALTIC FOUR-PLY ROOF FLASHING REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 30 – GRAY CAULK AT VERTICAL SEAM ON BACK OF BUILDING FAÇADE/SIGN REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 31 – BLACK CAULK OVER WHITE CAULK ON CMU REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 32 – GRAY CAULK BETWEEN DOOR FRAME/BRICK REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 33 – WHITE MUDDERED FITTING INSULATION REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

\$ \_\_\_\_\_ square foot

\$ \_\_\_\_\_ glove bag

Item No. 34 – BLACK EXIT DOOR FRAME CAULK REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 35 – WHITE CAULK ALONG CMU ROOF WALLS REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 36 – SILVER TAR PAPER REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 37 – WHITE/LIGHT BLUE PLASTER CEILING REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ square foot

Item No. 38 – WHITE CAULK BETWEEN METAL DOOR FRAME AND CMU REMOVAL AND DISPOSAL AS ACM

\$ \_\_\_\_\_ linear foot

Item No. 39 – DOOR WINDOW GLAZING COMPOUND REMOVAL AND DISPOSAL AS PCB BULK PRODUCT WASTE

\$ \_\_\_\_\_ window associated door

\$ \_\_\_\_\_ linear foot

Item No. 40 – WINDOW GLAZING REMOVAL AND DISPOSAL AS PCB BULK PRODUCT WASTE

\$ \_\_\_\_\_ window

\$ \_\_\_\_\_ linear foot

Item No. 41 – DOOR/WINDOW CAULK REMOVAL AND DISPOSAL AS PCB-CONTAINING MATERIALS <50 PPM

\$ \_\_\_\_\_ door

\$ \_\_\_\_\_ window

\$ \_\_\_\_\_ linear foot

Item No.42 – WINDOW CAULK REMOVAL AND DISPOSAL AS PCB-CONTAINING MATERIALS <50 PPM

\$ \_\_\_\_\_ window

\$ \_\_\_\_\_ linear foot

Item No. 43 – CONTAINMENT, PPE, CLEANING MATERIALS & SUPPLIES, WASTE GENERATED DURING REMOVAL OF PRESUMED PCB WASTE – REMOVAL AND DISPOSAL AS PCB REMEDIATION WASTE.

\$ \_\_\_\_\_ per 55-gallon drum

Item No. 44 – DISPOSE OF LEAD PAINTED WASTE AS NON-HAZARDOUS FOR LEAD  
AS CONSTRUCTION DEBRIS

\$ \_\_\_\_\_ per 55-gallon drum

\$ \_\_\_\_\_ per cubic yard

Item No. 34 – DISPOSE OF LEAD PAINTED WASTE AS RCRA HAZARDOUS WASTE  
FOR DISPOSAL

\$ \_\_\_\_\_ per 55-gallon drum

\$ \_\_\_\_\_ per cubic yard

END OF SECTION 01 22 00



## SECTION 01 3233 - PHOTOGRAPHIC DOCUMENTATION

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes administrative and procedural requirements for the following:
  - 1. Pre-demolition photographs.
  - 2. Periodic photographs during demolition
  - 3. Photographs of all excavations after removal of foundations before backfill begins.
  - 4. Final completion photographs.
- B. Related Requirements:
  - 1. Section 02 4116 "Structure Demolition" for photographic documentation before building demolition operations commence.

#### 1.3 UNIT PRICES

- A. Basis for Bids: Base number of construction photographs on average of 20 photographs per week over the duration of Project.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Key Plan: Submit key plan of Project site and building with notation of vantage points marked for location and direction of each photograph. Indicate elevation or story of construction. Include same information as corresponding photographic documentation.
- B. Digital Photographs: Submit image files within three days of taking photographs.
  - 1. Digital Camera: Minimum sensor resolution of 8 megapixels.
  - 2. Format: Minimum 3200 by 2400 pixels, in unaltered original files, with same aspect ratio as the sensor, uncropped, date and time stamped, in folder named by date of photograph, accompanied by key plan file.
  - 3. Identification: Provide the following information with each image description in file metadata tag:
    - a. Name of Project.
    - b. Name and contact information for photographer.

- c. Name of Architect.
- d. Name of Contractor.
- e. Date photograph was taken.
- f. Description of vantage point, indicating location, direction (by compass point), and elevation or story of construction.
- g. Unique sequential identifier keyed to accompanying key plan.

## PART 2 - PRODUCTS

### 2.1 PHOTOGRAPHIC MEDIA

- A. Digital Images: Provide images in JPG format, produced by a digital camera with minimum sensor size of 8 megapixels, and at an image resolution of not less than 3200 by 2400 pixels.

## PART 3 - EXECUTION

### 3.1 DEMOLITION PHOTOGRAPHS

- A. Photographer: Engage a qualified photographer to take construction photographs.
- B. General: Take photographs using the maximum range of depth of field, and that are in focus, to clearly show the Work. Photographs with blurry or out-of-focus areas will not be accepted.
  - 1. Maintain key plan with each set of construction photographs that identifies each photographic location.
- C. Digital Images: Submit digital images exactly as originally recorded in the digital camera, without alteration, manipulation, editing, or modifications using image-editing software.
  - 1. Date and Time: Include date and time in file name for each image.
  - 2. Field Office Images: Maintain one set of images accessible in the field office at Project site, available at all times for reference. Identify images in the same manner as those submitted to Architect and Owner.
- D. Preconstruction Photographs: Before commencement of demolition and before foundations are removed, take photographs of Project site and surrounding properties, including existing items to remain during construction, from different vantage points, as directed by Architect.
  - 1. Flag excavation areas before taking construction photographs.
  - 2. Take 20 photographs to show existing conditions adjacent to property before starting the Work.
  - 3. Take 20 photographs of existing buildings either on or adjoining property to accurately record physical conditions at start of construction.

4. Take additional photographs as required to record settlement or cracking of adjacent structures, pavements, and improvements.
  5. Photograph foundations and footings in place before removal. Flag locations so they appear in photographs.
  6. Photograph excavations after foundations and footings are removed prior to backfill placement.
- E. Periodic Construction Photographs: Take 20 photographs weekly, with timing each month adjusted to coincide with the cutoff date associated with each Application for Payment. Select vantage points to show status of construction and progress since last photographs were taken.
- F. Architect-Directed Construction Photographs: From time to time, Architect will instruct photographer about number and frequency of photographs and general directions on vantage points. Select actual vantage points and take photographs to show the status of construction and progress since last photographs were taken.
- G. Final Completion Construction Photographs: Take 20 color photographs after date of Substantial Completion for submission as project record documents. Architect will inform photographer of desired vantage points.
1. Include date stamp.
- H. Additional Photographs: Architect may request photographs in addition to periodic photographs specified.
1. Three days' notice will be given, where feasible.
  2. In emergency situations, take additional photographs within 24 hours of request.
  3. Circumstances that could require additional photographs include, but are not limited to, the following:
    - a. Immediate follow-up when on-site events result in construction damage or losses.
    - b. Substantial Completion of a major phase or component of the Work.
    - c. Extra record photographs at time of final acceptance.
    - d. Owner's request for special publicity photographs.

END OF SECTION 01 3233



## SECTION 01 5000 - TEMPORARY FACILITIES AND CONTROLS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes requirements for temporary utilities, support facilities, and security and protection facilities.
- B. Related Requirements:
  - 1. Section 01 1000 "Summary" for work restrictions and limitations on utility interruptions.

#### 1.3 USE CHARGES

- A. General: Installation and removal of and use charges for temporary facilities shall be included in the Contract Sum unless otherwise indicated. Allow other entities engaged in the Project to use temporary services and facilities without cost, including, but not limited to, Owner and Architect, testing agencies, and authorities having jurisdiction.
- B. Sewer Service: Pay sewer-service abandonment charges for sanitary sewer removal and abandonment.
- C. Water Service: Pay water-service abandonment charges for water removal and abandonment.
- D. Electric Power Service: Pay electric-power-service removal charges for electrical service removal.
- E. Water and Sewer Service from Existing System: Water from Owner's existing water system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.
- F. Electric Power Service from Existing System: Electric power from Owner's existing system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Site Utilization Plan: Show temporary facilities, temporary utility lines and connections, staging areas, construction site entrances, vehicle circulation, and parking areas for construction personnel.
- B. Implementation and Termination Schedule: Within 15 days of date established for commencement of the Work, submit schedule indicating implementation and termination dates of each temporary utility.
- C. Project Identification and Temporary Signs: Show fabrication and installation details, including plans, elevations, details, layouts, typestyles, graphic elements, and message content.
- D. Fire-Safety Program: Show compliance with requirements of NFPA 241 and authorities having jurisdiction. Indicate Contractor personnel responsible for management of fire-prevention program.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- A. Portable Chain-Link Fencing: Minimum 2-inch, thick, galvanized-steel, chain-link fabric fencing; minimum 6 feet high with galvanized-steel pipe posts; minimum 2-3/8-inch- OD line posts and 2-7/8-inch- OD corner and pull posts, with 1-5/8-inch- OD top and bottom rails. Provide galvanized-steel bases for supporting posts.
- B. Fencing Windscreen Privacy Screen: Polyester fabric scrim with grommets for attachment to chain link fence, sized to height of fence, in color selected by Architect from manufacturer's standard colors.

#### 2.2 TEMPORARY FACILITIES

- A. Field Offices, General: Prefabricated or mobile units with serviceable finishes, temperature controls, and foundations adequate for normal loading.
- B. Storage and Fabrication Sheds: Provide sheds sized, furnished, and equipped to accommodate materials and equipment for construction operations.
  - 1. Store combustible materials apart from building.

#### 2.3 EQUIPMENT

- A. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures.

## PART 3 - EXECUTION

### 3.1 TEMPORARY FACILITIES, GENERAL

- A. Conservation: Coordinate construction and use of temporary facilities with consideration given to conservation of energy, water, and materials. Coordinate use of temporary utilities to minimize waste.

### 3.2 INSTALLATION, GENERAL

- A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.
- B. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed.

### 3.3 TEMPORARY UTILITY INSTALLATION

- A. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.
- B. Electric Power Service: To the extent and duration necessary, connect to Owner's existing electric power service.
- C. Lighting: Provide temporary lighting to the extent and duration necessary with local switching that provides adequate illumination for construction operations, observations, inspections, and traffic conditions.
  - 1. Install and operate temporary lighting that fulfills security and protection requirements without operating entire system.

### 3.4 SUPPORT FACILITIES INSTALLATION

- A. Temporary Roads and Paved Areas: Construct and maintain temporary roads and paved areas adequate for construction operations. Locate temporary roads and paved areas as indicated on Drawings.
  - 1. Provide dust-control treatment that is nonpolluting and nontracking. Reapply treatment as required to minimize dust.
- B. Traffic Controls: Comply with requirements of authorities having jurisdiction.

1. Protect existing site improvements to remain including curbs, pavement, and utilities.
  2. Maintain access for fire-fighting equipment and access to fire hydrants.
- C. Parking: Provide temporary parking areas for construction personnel.
- D. Dewatering Facilities and Drains: Comply with requirements of authorities having jurisdiction. Maintain Project site, excavations, and construction free of water.
1. Dispose of rainwater in a lawful manner that will not result in flooding Project or adjoining properties or endanger permanent Work or temporary facilities.
  2. Remove snow and ice as required to minimize accumulations.
- E. Project Signs: Provide Project signs as indicated. Unauthorized signs are not permitted.
1. Identification Signs: Provide Project identification signs as indicated on Drawings.
  2. Temporary Signs: Provide other signs as indicated and as required to inform public and individuals seeking entrance to Project.
    - a. Provide temporary, directional signs for construction personnel and visitors.
  3. Maintain and touch up signs so they are legible at all times.
- F. Waste Disposal Facilities: Comply with requirements specified in Section 01 7419 "Construction Waste Management and Disposal."
- G. Waste Disposal Facilities: Provide waste-collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction.
- H. Lifts and Hoists: Provide facilities necessary for hoisting materials and personnel.
1. Truck cranes and similar devices used for hoisting materials are considered "tools and equipment" and not temporary facilities.

### 3.5 SECURITY AND PROTECTION FACILITIES INSTALLATION

- A. Protection of Existing Facilities: Protect existing vegetation, equipment, structures, utilities, and other improvements at Project site and on adjacent properties, except those indicated to be removed or altered. Repair damage to existing facilities.
1. Where access to adjacent properties is required in order to affect protection of existing facilities, obtain written permission from adjacent property owner to access property for that purpose.
- B. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction as required to comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.



1. Comply with work restrictions specified in Section 01 1000 "Summary."
- C. Temporary Erosion and Sedimentation Control: Comply with requirements of EPA Construction General Permit or authorities having jurisdiction, whichever is more stringent.
- D. Temporary Erosion and Sedimentation Control: Provide measures to prevent soil erosion and discharge of soil-bearing water runoff and airborne dust to undisturbed areas and to adjacent properties and walkways, according to the erosion- and sedimentation-control designated wetlands, and the requirements of CT DEEP having jurisdiction, whichever is more stringent.
1. Verify that flows of water redirected from construction areas or generated by construction activity do not enter or cross tree- or plant-protection zones.
  2. Inspect, repair, and maintain erosion- and sedimentation-control measures during construction until permanent vegetation has been established.
  3. Clean, repair, and restore adjoining properties and roads affected by erosion and sedimentation from Project site during the course of Project.
  4. Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.
- E. Tree and Plant Protection: Install temporary fencing located as indicated or outside the drip line of trees to protect vegetation from damage from construction operations. Protect tree root systems from damage, flooding, and erosion.
- F. Pest Control: Engage pest-control service to recommend practices to minimize attraction and harboring of rodents, roaches, and other pests and to perform extermination and control procedures at regular intervals so Project will be free of pests and their residues at Substantial Completion. Perform control operations lawfully, using materials approved by authorities having jurisdiction.
- G. Site Enclosure Fence: Before demolition operations begin. Comply with Section 01 5716 "Temporary Pest Control" and furnish and install site enclosure fence in a manner that will prevent people from easily entering site except by entrance gates.
1. Extent of Fence: As Indicated on Drawings and as determined by the contractor to accommodate demolition activities.
  2. Maintain security by limiting number of keys and restricting distribution to authorized personnel. Furnish one set of keys to Owner.
- H. Barricades, Warning Signs, and Lights: Comply with requirements of authorities having jurisdiction for erecting structurally adequate barricades, including warning signs and lighting.
- I. Temporary Fire Protection: Install and maintain temporary fire-protection facilities of types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 241; manage fire-prevention program.
1. Prohibit smoking in construction areas. Comply with additional limits on smoking specified in other Sections.

2. Supervise sources of fire ignition according to requirements of authorities having jurisdiction.
3. Develop and supervise an overall fire-prevention and -protection program for personnel at Project site. Review needs with local fire department and establish procedures to be followed. Instruct personnel in methods and procedures. Post warnings and information.

### 3.6 OPERATION, TERMINATION, AND REMOVAL

- A. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.
- B. Maintenance: Maintain facilities in good operating condition until removal.
  1. Maintain operation of temporary enclosures, heating, cooling, humidity control, ventilation, and similar facilities on a 24-hour basis where required to achieve indicated results and to avoid possibility of damage.
- C. Temporary Facility Changeover: Do not change over from using temporary security and protection facilities to permanent facilities until Substantial Completion.
- D. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.
  1. Materials and facilities that constitute temporary facilities are property of Contractor. Owner reserves right to take possession of Project identification signs.
  2. Remove temporary roads and paved areas not intended for or acceptable for integration into permanent construction. Where area is intended for landscape development, remove soil and aggregate fill that do not comply with requirements for fill or subsoil. Remove materials contaminated with road oil, asphalt and other petrochemical compounds, and other substances that might impair growth of plant materials or lawns. Repair or replace street paving, curbs, and sidewalks at temporary entrances, as required by authorities having jurisdiction.
  3. At Substantial Completion, repair, renovate, and clean permanent facilities used during construction period.

END OF SECTION 01 5000

## SECTION 01 5716 - TEMPORARY PEST CONTROL

### PART 1 - GENERAL

#### 1.1 DESCRIPTION

- A. Under these items the Contractor shall perform and satisfy the rodent and vermin control (extermination) and site sanitation requirements within demolition areas as designated by the architect.
- B. The contractor shall maintain a cooperative dialogue with appropriate agencies and management representatives of neighborhood properties. activities
- C. The contractor shall perform the rodent and vermin control tasks described herein prior to starting any demolition activities and also respond to other pest control needs when directed by the architect.

#### 1.2 SUMMARY

- A. This work is to be performed prior to the start of construction and also throughout construction, so that Rodents (rats and mice) and Vermin (cockroaches, beetles, and other insects) do not disperse from or infest construction area or adjacent residential areas.

#### 1.5 SUBMITTALS

- A. Submit to the Architect copies of pesticide applicators certification and licenses within ten (10) days of their issuance or renewal for the duration of this Contract.
- B. After performing the survey described under Construction Details Section 6 and before initiating baiting, submit to the Engineer a written description of proposed pest control procedures, indicating materials, quantities, methods, and time schedule. For all pesticide be used, submit a copy of pesticide manufacture's EPA - approved pesticide label with application directions.
- C. Submit to the Architect documentation of pest control activities and results as follows:
  - 1. Monthly: Submit data sheets with location of sites treated, methods and data application, amounts and types of bait used, pesticides dosage, number and types of traps set, survey and inspection results, sanitation condition complaints calls investigated, any problems that occurred and signature of applicator.
  - 2. Monthly: Submit a map that shows bait station, manholes and catch basins where baits are being maintained.
- D. At least 10 days prior to occupancy of Contract area, submit to the Engineer for review a written description of the sanitation procedures to be used.

## 1.6 QUALITY ASSURANCE

- A. The Contractor shall perform this work at all times in accordance with the following minimum standards and as acceptable to the Architect.
- B. The Contractor, key personnel and applicator shall have experience and/or training in vertebrate pest management and integrated pest management; have experience with various rodent and vermin control techniques, equipment, and strategies; and have knowledge of and experience with techniques to reduce non-targets hazards.
- C. Applicators shall be licensed and certified by Connecticut DEEP.
- D. Before proceeding with the work, all pest control personnel shall attend a two-hour orientation session held by the Architect and discuss planned pest control methods and coordination.

## 1.7 PROJECT CONDITIONS

- A. The contractor shall not proceed with the construction designated on the Plans until written release is issued by the Architect, after successful completion of the initial phase of rodent and vermin control.
- B. Initiate the work before field mobilization begins for the construction designated on the Plans and within adequate timing to achieve control before environmental disruption and site work. Provide a maintenance program until construction is completed and all equipment and materials are removed, as determined by the Architect.
- C. Perform this work in such a manner and post warning signs such that toxicants or other control tools do not pose hazards to persons, domestic animals, or non-targets wildlife.
- D. Obtain and maintain in coordination with the Architect appropriate permit(s) from town or state agencies for pest control activities associated with this work.
- E. Obtain and maintain in coordination with the Architect all right of entry permits required for the performance of this work. This includes all utilities and private properties to which entrance is required.

## PART 2 - PRODUCTS

### 2.1 MATERIALS

- A. Furnish and use only pesticide formulations registered by the U.S Environmental Protection Agency (EPA) and CT Department of Environmental Protection (DEEP) where appropriate, according to label directions and as acceptable to the Engineer.
- B. Furnish and use devices and supplies (e.g., traps and bait stations) to facilitate the effectiveness and safety of the pest control program as appropriate and as acceptable to the Engineer.

- C. Use heavy duty refuse containers with tight-fitting domed lids, with a spring-loaded flap, for disposal of all garbage and trash associated with food. Maintain these containers so there are no openings that allow access by rodents or vermin.
- D. If a dumpster is necessary for the temporary storage of garbage and trash associated with food, it shall not have openings that allow access by rodents or vermin. The dumpster shall have a drain plug if a drain is present, and the doors shall be maintained tightly closed.

### PART 3 - EXECUTION

#### 3.1 SURVEY

- A. Prior to baiting, survey the proposed construction area with representatives of adjacent buildings and record signs of rodent and vermin activity and sanitation conditions.
- B. Thoroughly inspect construction areas and accessible or observable bordering area designated herein, and any nearby area designated by the Engineers, for rodent and vermin activity and sanitation deficiencies monthly throughout the duration of this contract and in accordance with the work schedule.

#### 3.2 APPLICATION OF RODENT AND VERMIN CONTROL

- A. Apply rodenticide and insecticide in strict accordance with EPA-approved label directions and DEEP regulations.
- B. Where appropriate, use properly secured and tamper-resistant bait stations consistent with EPA regulations, remove manhole covers and ventilate manholes according to requirements of appropriate municipal agencies and utility companies. Use police, or utilities details as appropriate. Coordinate the work with appropriate municipal agencies and utility companies. Individually number and property identify all bait stations.
- C. Baited area must be posted with warning signs advising the public that bait has been placed in the area. The signs are to be large (425mm X 550mm) and clearly printed at all baits stations.
- D. Surface Applications.
  - 1. Initial Surface Baiting.

Rid the construction area of all detectable rodents and vermin before construction begins, as acceptable to the Architect. Bait all observable rodent burrows and areas of vermin infestation. Install and secure bait stations at regular and appropriate intervals and locations, and document rodent or vermin activity (burrows, dropping, bait consumed, dead rodents). Replenish bait and shift stations as necessary to ensure complete control of rodent and vermin populations. Bait edge and accessible bordering areas designated on the Plans as necessary to ensure that rodents and vermin shall not infest work areas.

2. Maintenance Surface Baiting.

Establish a maintenance baiting program prior to the start of construction. This includes construction areas and accessible bordering areas designated herein, as acceptable to the Architect. Check bait placements weekly. Use survey and baiting data to determine the most effective distribution of baiting locations and bait quantities. Shift and distribute bait and bait stations as appropriate to ensure continuous control.

E. Subsurface Applications.

1. Initial Subsurface baiting

Apply appropriate baits to control rodent and vermin populations in manholes and catch basins, this shall involve suspending and securing bait using noncorrosive wire (e.g., 24 gauge plastic coated). Place bait in all accessible manholes and catch basins within the construction work area. In addition, bait an appropriate set of manholes and catch basins in the blocks bordering the work area as designated herein and as acceptable to the Architect. Identify all baited manholes and catch basins with a standardized paint mark on the street and, a numbered tag to be attached to the suspending wire. Approximately seven days after completion of the first baiting, check all manhole and catch basin baits and record estimates on the amount of bait consumed. Replenish or increase the amount of bait applied according to the amount consumed and as acceptable to the Architect. Repeat this process again approximately fourteen days later and until there is little or no bait consumed. Check manholes and catch basins weekly when they repeatedly have 100 percent of the bait consumed.

2. Maintenance Subsurface Baiting

Prior to the start the construction, establish a maintenance baiting program appropriate for the rodent or vermin infestation patterns identified during initial program appropriate for the rodent or vermin infestation patterns identified during initial subsurface baiting. This program shall ensure continued control and shall be performed acceptable to the Architect. Maintain bait in manholes and catch basins that have rodent or vermin activity and those that had activity during initial baiting as necessary. Check each bait weekly or more often according to rodent or vermin activity levels and the recent history of bait consumption. Use utility maps and baiting data to determine the most effective distribution of baiting locations and bait quantities. Shift and distribute baiting locations as necessary to ensure adequate interception option points for controlling immigrating rodents or vermin.

F. Cleanup

1. Remove visible rodent carcasses and dispose of them daily consistent with the pesticide label directions and applicable codes, laws, and regulations
2. Upon completion of any pest control operations at the site, remove remaining bait and dispose of it according to the pesticide label and applicable codes, laws, and regulations. Also remove all wires used for subsurface baiting and any bait stations or traps

### G. Sanitation

1. Prior to demolition and throughout the duration of this Contract, identify and document harborage and food sources available to rodents on the site and in observable bordering areas designated herein. This includes any littering or improper or insufficient use of trash receptacles in construction or structural deficiencies that violate City or State sanitation codes.
  - a. Maintain Construction and laydown areas and their perimeters free of trash, garbage, weeds, debris and unnecessary or deteriorated hay and straw bales. Provide and enforce proper use of refuse containers to ensure that rodents and other pests are not harbored or attracted.
  - b. Designate specific locations as lunch and coffee break areas to prevent random disposal of garbage and trash. Keep those areas free of litter and garbage, and provide refuse containers. Keep refuse containers upright with their lids shut tight.
  - c. Have all refuse containers emptied daily to maintain site sanitation. If a dumpster is used empty it at least weekly and keep the area under and around it clean.
  - d. Notify the Architect within 24 hours whenever rodents (rats or mice) or signs of rodent activity (burrows or droppings) or vermin are observed in construction or laydown areas.

### 3.3 COMPLIANT CALLS

- A. During demolition, respond to pest-related complaints from the adjacent neighborhood within 12 hours when directed by Architect. Inspect the particular premises and adjacent areas for sanitation and structural deficiencies and also signs of historic and recent pest activity. Provide sanitation and structural maintenance information to the property owner or manager. Use pesticides or traps as necessary and appropriate to resolve the complaint when there is a relationship between the pest infestation and construction activities, or when directed by the Architect.
- B. Maintain records of all complaints investigated, including location, contact person, inspection results, and actions taken. Document the relatedness of the pest infestation to construction activities.

### 3.7 RECORD KEEPING

- A. Use standard data sheets provided or approved by the Engineer to maintain accurate records of date, placement, type, and amount of pesticides or other control tools (e.g., traps) applied. Similarly, maintain records of surveys, inspections, changes in pest activity, and sanitation conditions when directed by Architect.

### 3.8 METHOD OF MEASUREMENT

- A. The quantity to be paid for under the item Initial Survey, Baiting and Sanitation, Will be on a lump sum basis for the initial work completed in accordance with the plans, specifications and direction of the Architect.

- B. The quantity to be paid for under the item, Maintenance Program, will be on a per month basis for the maintenance program completed in accordance with the plans, specifications and direction of the Architect.

### 3.9 BASIS OF PAYMENT

- A. The lump sum price bid for the item, Initial Survey, Baiting and Sanitation, shall cover the cost of all labor, material and equipment necessary to complete the initial survey, planning, documentation, baiting and inspection of the construction and adjacent areas both surface and subsurface as well as sanitation inspection, documentation and corrective measures.

The unit price bid per month for the item, Maintenance Program, shall cover the cost of all labor, materials and equipment necessary to complete the weekly inspections, rebaiting, cleanup and rodent and vermin control documentation, garbage disposal cleanup and sanitation documentation as well as to receive, document and respond to complaints.

END OF SECTION 01 5716



## SECTION 01 7419 - CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes administrative and procedural requirements for the following:
  - 1. Salvaging nonhazardous demolition waste.
  - 2. Recycling nonhazardous demolition waste.
  - 3. Disposing of nonhazardous demolition waste.
- B. Related Requirements:
  - 1. Section 02 4000 "Site Preparation"
  - 2. Section 02 8213 "Asbestos Abatement"
  - 3. Section 02 8214 "Asbestos Roofing Abatement"
  - 4. Section 02 8316 "Handling of Lighting Ballast & Lamps containing PCB's & Mercury"
  - 5. Section 02 8434 "PCB Bulk Product Abatement"

#### 1.3 DEFINITIONS

- A. Construction Waste: Building, structure, and site improvement materials and other solid waste resulting from construction, remodeling, renovation, or repair operations. Construction waste includes packaging.
- B. Demolition Waste: Building, structure, and site improvement materials resulting from demolition operations.
- C. Disposal: Removal of demolition or construction waste and subsequent salvage, sale, recycling, or deposit in landfill, incinerator acceptable to authorities having jurisdiction, or designated spoil areas on Owner's property.
- D. Recycle: Recovery of demolition or construction waste for subsequent processing in preparation for reuse.
- E. Salvage: Recovery of demolition or construction waste and subsequent sale or reuse in another facility.

- F. Salvage and Reuse: Recovery of demolition or construction waste and subsequent incorporation into the Work.

#### 1.4 MATERIALS OWNERSHIP

- A. Unless otherwise indicated, demolition and construction waste becomes property of Contractor.
- B. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, and other items of interest or value to Owner that may be uncovered during demolition remain the property of Owner.
  - 1. Carefully salvage in a manner to prevent damage and promptly return to Owner.

#### 1.5 ACTION SUBMITTALS

- A. Waste Management Plan: Submit plan within 7 days of date established for the Notice of Award.

#### 1.6 INFORMATIONAL SUBMITTALS

- A. Waste Reduction Progress Reports: Concurrent with each Application for Payment, submit report. Use Form CWM-8 for demolition waste. Include the following information:
  - 1. Material category.
  - 2. Generation point of waste.
  - 3. Total quantity of waste in tons.
  - 4. Quantity of waste salvaged, both estimated and actual in tons.
  - 5. Quantity of waste recycled, both estimated and actual in tons.
  - 6. Total quantity of waste recovered (salvaged plus recycled) in tons.
  - 7. Total quantity of waste recovered (salvaged plus recycled) as a percentage of total waste.
- B. Waste Reduction Calculations: Before request for Substantial Completion, submit calculated end-of-Project rates for salvage, recycling, and disposal as a percentage of total waste generated by the Work.
- C. Records of Donations: Indicate receipt and acceptance of salvageable waste donated to individuals and organizations. Indicate whether organization is tax exempt.
- D. Records of Sales: Indicate receipt and acceptance of salvageable waste sold to individuals and organizations. Indicate whether organization is tax exempt.
- E. Recycling and Processing Facility Records: Indicate receipt and acceptance of recyclable waste by recycling and processing facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.

- F. Landfill and Incinerator Disposal Records: Indicate receipt and acceptance of waste by landfills and incinerator facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.
- G. Refrigerant Recovery: Comply with requirements in Section 02 4116 "Structure Demolition" for refrigerant recovery submittals.

## 1.7 QUALITY ASSURANCE

- A. Refrigerant Recovery Technician Qualifications: Universal certified by EPA-approved certification program.
- B. Regulatory Requirements: Comply with transportation and disposal regulations of authorities having jurisdiction.
- C. Waste Management Conference(s): Conduct conference(s) at Project site. Review methods and procedures related to waste management including, but not limited to, the following:
  - 1. Review and discuss waste management plan including responsibilities of each contractor and waste management coordinator.
  - 2. Review requirements for documenting quantities of each type of waste and its disposition.
  - 3. Review and finalize procedures for materials separation and verify availability of containers and bins needed to avoid delays.
  - 4. Review procedures for periodic waste collection and transportation to recycling and disposal facilities.
  - 5. Review waste management requirements for each trade.

## 1.8 WASTE MANAGEMENT PLAN

- A. General: Develop a waste management plan according to requirements in this Section. Plan shall consist of waste identification, waste reduction work plan, and cost/revenue analysis. Indicate quantities by weight or volume, but use same units of measure throughout waste management plan.
- B. Waste Identification: Indicate anticipated types and quantities of demolition waste generated by the Work. Include estimated quantities and assumptions for estimates.
- C. Waste Reduction Work Plan: List each type of waste and whether it will be salvaged, recycled, or disposed of in landfill or incinerator. Use Form CWM-4 for demolition waste. Include points of waste generation, total quantity of each type of waste, quantity for each means of recovery, and handling and transportation procedures.
  - 1. Salvaged Materials for Sale: For materials that will be sold to individuals and organizations, include list of their names, addresses, and telephone numbers.
  - 2. Salvaged Materials for Donation: For materials that will be donated to individuals and organizations, include list of their names, addresses, and telephone numbers.

3. Recycled Materials: Include list of local receivers and processors and type of recycled materials each will accept. Include names, addresses, and telephone numbers.
  4. Disposed Materials: Indicate how and where materials will be disposed of. Include name, address, and telephone number of each landfill and incinerator facility.
  5. Handling and Transportation Procedures: Include method that will be used for separating recyclable waste including sizes of containers, container labeling, and designated location where materials separation will be performed.
- D. Cost/Revenue Analysis: Indicate total cost of waste disposal as if there were no waste management plan and net additional cost or net savings resulting from implementing waste management plan. Use Form CWM-6 for demolition waste Include the following:
1. Total quantity of waste.
  2. Estimated cost of disposal (cost per unit). Include transportation and tipping fees and cost of collection containers and handling for each type of waste.
  3. Total cost of disposal (with no waste management).
  4. Revenue from salvaged materials.
  5. Revenue from recycled materials.
  6. Savings in transportation and tipping fees by donating materials.
  7. Savings in transportation and tipping fees that are avoided.
  8. Handling and transportation costs. Include cost of collection containers for each type of waste.
  9. Net additional cost or net savings from waste management plan.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. General: Achieve end-of-Project rates for salvage/recycling of 50 percent by weight of total nonhazardous solid waste generated by the Work. Practice efficient waste management in the use of materials in the course of the Work. Use all reasonable means to divert construction and demolition waste from landfills and incinerators. Facilitate recycling and salvage of materials including the following:
1. Demolition Waste:
    - a. Asphalt paving.
    - b. Concrete.
    - c. Concrete reinforcing steel.
    - d. Brick.
    - e. Concrete masonry units.
    - f. Wood studs.
    - g. Wood joists.
    - h. Plywood and oriented strand board.
    - i. Wood paneling.
    - j. Wood trim.
    - k. Structural and miscellaneous steel.

- l. Rough hardware.
- m. Roofing.
- n. Insulation.
- o. Doors and frames.
- p. Door hardware.
- q. Windows.
- r. Glazing.
- s. Metal studs.
- t. Gypsum board.
- u. Acoustical tile and panels.
- v. Carpet.
- w. Carpet pad.
- x. Demountable partitions.
- y. Equipment.
- z. Cabinets.
- aa. Plumbing fixtures.
- bb. Piping.
- cc. Supports and hangers.
- dd. Valves.
- ee. Sprinklers.
- ff. Mechanical equipment.
- gg. Refrigerants.
- hh. Electrical conduit.
- ii. Copper wiring.
- jj. Lighting fixtures.
- kk. Lamps.
- ll. Ballasts.
- mm. Electrical devices.
- nn. Switchgear and panelboards.
- oo. Transformers.

2. Construction Waste:

- a. Masonry and CMU.
- b. Lumber.
- c. Wood sheet materials.
- d. Wood trim.
- e. Metals.
- f. Roofing.
- g. Insulation.
- h. Carpet and pad.
- i. Gypsum board.
- j. Piping.
- k. Electrical conduit.
- l. Packaging: Regardless of salvage/recycle goal indicated in "General" Paragraph above, salvage or recycle 100 percent of the following uncontaminated packaging materials:
  - 1) Paper.
  - 2) Cardboard.

- 3) Boxes.
- 4) Plastic sheet and film.
- 5) Polystyrene packaging.
- 6) Wood crates.
- 7) Wood pallets.
- 8) Plastic pails.

## PART 3 - EXECUTION

### 3.1 PLAN IMPLEMENTATION

- A. General: Implement approved waste management plan. Provide handling, containers, storage, signage, transportation, and other items as required to implement waste management plan during the entire duration of the Contract.
  1. Comply with operation, termination, and removal requirements in Section 01 5000 "Temporary Facilities and Controls."
- B. Training: Train workers, subcontractors, and suppliers on proper waste management procedures, as appropriate for the Work.
  1. Distribute waste management plan to everyone concerned within three days of submittal return.
  2. Distribute waste management plan to entities when they first begin work on-site. Review plan procedures and locations established for salvage, recycling, and disposal.
- C. Site Access and Temporary Controls: Conduct waste management operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
  1. Designate and label specific areas on Project site necessary for separating materials that are to be salvaged and recycled.
  2. Comply with Section 01 5000 "Temporary Facilities and Controls" for controlling dust and dirt, environmental protection, and noise control.

### 3.2 SALVAGING DEMOLITION WASTE

- A. Comply with requirements in Section 02 4116 "Structure Demolition" for salvaging demolition waste.
- B. Salvaged Items for Reuse in the Work: Salvage items for reuse and handle as follows:
  1. Clean salvaged items.
  2. Pack or crate items after cleaning. Identify contents of containers with label indicating elements, date of removal, quantity, and location where removed.
  3. Store items in a secure area until installation.
  4. Protect items from damage during transport and storage.

5. Install salvaged items to comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make items functional for use indicated.

C. Salvaged Items for Sale and Donation: Not permitted on Project site.

D. Doors and Hardware: Brace open end of door frames. Except for removing door closers, leave door hardware attached to doors.

E. Equipment: Drain tanks, piping, and fixtures. Seal openings with caps or plugs. Protect equipment from exposure to weather.

F. Plumbing Fixtures: Separate by type and size.

G. Lighting Fixtures: Separate lamps by type and protect from breakage.

H. Electrical Devices: Separate switches, receptacles, switchgear, transformers, meters, panelboards, circuit breakers, and other devices by type.

### 3.3 RECYCLING DEMOLITION WASTE, GENERAL

A. General: Recycle paper and beverage containers used by on-site workers.

B. Preparation of Waste: Prepare and maintain recyclable waste materials according to recycling or reuse facility requirements. Maintain materials free of dirt, adhesives, solvents, petroleum contamination, and other substances deleterious to the recycling process.

C. Procedures: Separate recyclable waste from other waste materials, trash, and debris. Separate recyclable waste by type at Project site to the maximum extent practical according to approved construction waste management plan.

1. Provide appropriately marked containers or bins for controlling recyclable waste until removed from Project site. Include list of acceptable and unacceptable materials at each container and bin.

a. Inspect containers and bins for contamination and remove contaminated materials if found.

2. Stockpile processed materials on-site without intermixing with other materials. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.

3. Stockpile materials away from construction area. Do not store within drip line of remaining trees.

4. Store components off the ground and protect from the weather.

5. Remove recyclable waste from Owner's property and transport to recycling receiver or processor as often as required to prevent overfilling bins.

### 3.4 RECYCLING DEMOLITION WASTE

- A. Asphalt Paving: Break up and transport paving to asphalt-recycling facility.
- B. Concrete: Remove reinforcement and other metals from concrete and sort with other metals. Breakup and transport concrete to a recycling facility.
- C. Masonry: Remove metal reinforcement, anchors, and ties from masonry and sort with other metals.
  - 1. Break up and transport Masonry to a recycling facility.
  - 2. Clean and stack undamaged, whole masonry units on wood pallets.
- D. Wood Materials: Sort and stack members according to size, type, and length. Separate lumber, engineered wood products, panel products, and treated wood materials.
- E. Metals: Separate metals by type.
  - 1. Structural Steel: Stack members according to size, type of member, and length.
  - 2. Remove and dispose of bolts, nuts, washers, and other rough hardware.
- F. Asphalt Shingle Roofing: Separate organic and glass-fiber asphalt shingles and felts. Remove and dispose of nails, staples, and accessories.
- G. Gypsum Board: Stack large clean pieces on wood pallets or in container and store in a dry location. Remove edge trim and sort with other metals. Remove and dispose of fasteners.
- H. Acoustical Ceiling Panels and Tile: Stack large clean pieces on wood pallets and store in a dry location.
- I. Metal Suspension System: Separate metal members, including trim and other metals from acoustical panels and tile, and sort with other metals.
- J. Carpet and Pad: Roll large pieces tightly after removing debris, trash, adhesive, and tack strips.
- K. Carpet Tile: Remove debris, trash, and adhesive.
  - 1. Stack tile on pallet and store clean, dry carpet in a closed container or trailer provided by carpet reclamation agency or carpet recycler.
- L. Piping: Reduce piping to straight lengths and store by material and size. Separate supports, hangers, valves, sprinklers, and other components by material and size.
- M. Conduit: Reduce conduit to straight lengths and store by material and size.
- N. Lamps: Separate lamps by type and store according to requirements in 40 CFR 273.



### 3.5 RECYCLING CONSTRUCTION WASTE

#### A. Packaging:

1. Cardboard and Boxes: Break down packaging into flat sheets. Bundle and store in a dry location.
2. Polystyrene Packaging: Separate and bag materials.
3. Pallets: As much as possible, require deliveries using pallets to remove pallets from Project site. For pallets that remain on-site, break down pallets into component wood pieces and comply with requirements for recycling wood.
4. Crates: Break down crates into component wood pieces and comply with requirements for recycling wood.

#### B. Wood Materials:

1. Clean Cut-Offs of Lumber: Grind or chip into small pieces offsite at a recycling facility.

#### C. Gypsum Board: Stack large clean pieces on wood pallets or in container and store in a dry location.

1. Clean Gypsum Board: Grind scraps of clean gypsum board offsite at a recycling facility.

#### D. Paint: Seal containers and store by type.

### 3.6 DISPOSAL OF WASTE

#### A. General: Except for items or materials to be salvaged or recycled, remove waste materials from Project site and legally dispose of them in a landfill or incinerator acceptable to authorities having jurisdiction.

1. Except as otherwise specified, do not allow waste materials that are to be disposed of accumulate on-site.
2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.

#### B. General: Except for items or materials to be salvaged or recycled, remove waste materials and legally dispose of at designated spoil areas on Owner's property.

#### C. Burning: Do not burn waste materials.

#### D. Burning: Burning of waste materials is permitted only at designated areas on Owner's property, provided required permits are obtained. Provide full-time monitoring for burning materials until fires are extinguished.

### 3.7 ATTACHMENTS

#### A. Form CWM-2 for demolition waste identification.

- B. Form CWM-4 for demolition waste reduction work plan.
- C. Form CWM-6 for cost/revenue analysis of demolition waste reduction work plan.
- D. Form CWM-8 for demolition waste reduction progress report.

END OF SECTION 01 7419

## SECTION 02 0900 - SITE RELATED DUST CONTROL

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. This section includes measures for controlling dust from the following sources:
  - 1. Disturbed land and soil movement
  - 2. Demolition of existing structures
  - 3. Cutting, grinding, and sanding of materials
  - 4. Transportation of materials across the site.
- B. Types of Dust that are anticipated include the following:
  - 1. Silca dust from concrete, brick and tile
  - 2. Wood dust
  - 3. Soil and organic matter
  - 4. Metals and plastic particles

#### 1.2 RELATED DOCUMENTS

- 1. Section 02 4116 "Structure Demolition"
- 2. Section 02 8213 "Asbestos Abatement"

#### 1.3 PLANNING AND PREPARATION

- A. Dust Control Plan  
Develop a site-specific dust control plan that identifies potential dust sources and establishes control measures. Schedule operations to minimize dust generation, like planning for wetter seasons
- B. Dust Control Plan  
Comply with local, state, and federal regulation regarding dust emissions.
- C. Regulatory Compliance  
Notify adjacent residents and businesses about the project and how the site will manage dust. Establish a point of contact for complaints or concerns related to dust.

## 1.5 CONTROL MEASURES

### A. Water Sprays and Mists

Use water trucks to dampen surfaces, especially in dry and windy conditions. Provide misting systems to capture airborne dust particles.

### B. Windbreaks and Barriers

Erect barriers such as fencing or hoarding to prevent dust from spreading off-site. Use natural windbreaks or construct temporary barriers to reduce wind across site.

### C. Vegetative Cover

As soon as practical, establish a vegetative cover to stabilize the soil. Use hydroseeding, mulching, or other forms of temporary vegetation for bare areas.

### D. Chemical Stabilizers and Palliatives

Apply chemical dust suppressants to stabilize surfaces when water is not sufficient or practical. Provide environmentally safe and appropriate chemicals for the specific site conditions. Submit to Architect/Owner for review prior to implementation.

### E. Surface Stabilization

Provide specified anti-tracking apron, or other coverings on frequently traveled paths to reduce dust.

### F. Equipment and Vehicle Management

Limit the speed of vehicles on-site to reduce dust generation. Maintain vehicles and equipment to reduce track-out dust onto public roads. If site becomes muddy, provide tire wash stations or similar systems to minimize carry-out.

## 1.6 MAINTENANCE AND MONITORING

### A. Regular Inspections

Conduct regular site inspections to identify areas of concern and take corrective actions promptly.

### B. Monitoring and Record-Keeping

Monitor dust levels using appropriate equipment and techniques. Keep records of dust control measures and their effectiveness for regulatory compliance and future reference.

### C. Training and Awareness

Train staff and workers on dust control techniques and the importance of adhering to dust control plan.

## 1.7 RESPONDING TO ISSUES

### A. Adaptive Measures

Be prepared to adjust dust control strategies if current measures prove insufficient. Have a contingency plan for unanticipated events, such as extreme weather, that may exacerbate dust problems.

B. Community Feedback

Respond to community feedback and adjust dust control measures as needed. Notify the owner/Architect of any community complaints; include an adjustment plan for your response.

1.8 CLOSURE AND REHABILITATION

A. Post-Construction

After completion of demolition, rehabilitate disturbed areas promptly to minimize long-term dust issues. Implement landscaping and replanting strategies that will help stabilize the soil

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 02 0900



## SECTION 02 3000 - SUBSURFACE INVESTIGATIONS

### PART 1 - GENERAL

#### 1.1 SUMMARY

##### A. Section Includes

1. Soils subsurface investigation at the site, the use of data resulting from the investigation, and conditions warranting additional soils investigation.
2. Pipe and utility subsurface investigations that are required in order to properly locate utilities that may conflict with proposed construction.
3. Work item includes all saw cutting, excavation, backfilling, and restoration.

##### B. Related Sections

1. Section 31 23 00 - Excavation, Backfill, Compaction, and Dewatering.
2. Section 32 12 16 - Bituminous Concrete Pavement,

#### 1.2 REFERENCES

- A. 29 CFR Part 1926 Subpart P - OSHA Excavation Regulations 1926.560 through 1926.562 including Appendices A through F

#### 1.3 PIPELINE AND UTILITY INVESTIGATIONS

- A. The Drawings show available data relative to existing underground pipe and utilities.
- B. During the course of the Work, excavate to locate various existing pipelines and utilities, where they are involved in the Work.

### PART 2 - PRODUCTS - NOT USED

### PART 3 - EXECUTION

#### 3.1 PREPARATORY WORK

- A. Obtain all available information on buried structures and utilities in the vicinity of the investigation.
- B. Coordinate Work such that all affected property, structure, and utility owners are aware of the Work prior to its commencement.
- C. Schedule subsurface investigations such that they do not interfere with other Work or traffic and in advance of other Work in that location.
- D. Provide the Engineer with 24-hour notice prior to commencement of subsurface investigations.

### 3.2 TEST PITS

- A. Excavate test pits as indicated, or as requested by the Owner. Expose the top of the utility, and adjacent utilities, at each test pit location.
- B. Perform test pits in accordance with the requirements of Section 31 23 00. Excavate the bottom 2 feet of the test pit (or in close proximity to known or anticipated utilities) by hand. Excavate to top of utilities by hand. Test pits shall be braced, sheeted and dewatered or as otherwise required for safe excavation and examination of the structure or utility to be exposed.
- C. Measure the depth to the top of the pipeline, as well as to adjacent utilities, from the ground surface, at each test pit location. Record location, depth and size of pipelines and utilities uncovered during the test pits. Record any other pertinent information which is learned as a result of excavating the test pit. Furnish measurements and drawings to Engineer.
- D. Prior to test pitting operations, delineate the general scope of the excavation or boring on the paved surface of the ground using white paint, or stakes or other suitable white markings on non-paved surfaces and notify Call Before You Dig. Premarking will not be acceptable if such marks can interfere with traffic or pedestrian control or are misleading to the general public.
- E. Excavate test pits of an appropriate size with equipment suitable for the location and character of the pit to be excavated.
- F. All subsurface investigations shall be conducted in accordance 29 CFR Part 1926 Subpart P - OSHA Excavation Regulations 1926.650 through 1926.652 including Appendices A through F.
- G. After examination by the Engineer, backfill and compact the test pits in accordance with Section 31 23 00.
- H. Repair damage to any structure, property or site feature to the satisfaction of the Engineer.

END OF SECTION 02 3000



## SECTION 02 4000 - SITE PREPARATION

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. Section Includes:

1. Clearing and grubbing
2. Grading
3. Stripping and stockpiling of soil and sod
4. Excavating, removing, and legally disposing of all on-site items identified for removal. In general, surface demolition items include chain link fences, gates, footings, site lighting, bituminous concrete pavement, bituminous concrete curbing, concrete sidewalk, concrete curb, concrete stairs, guardrail, transformer pads and footings, metal railings, catch basins, manholes, piping, reinforced concrete retaining walls, footings, concrete loading docks, bollards, concrete pads, etc.
5. Excavating, removing and legally disposing of all on-site utilities identified for removal. In general, utility demolition items include catch basins, yard drains, storm sewers, storm manholes, storm sewers, sanitary manholes, ductbanks, valves, valve boxes, risers and covers, wiring, piping, monitoring wells, transformers, and all other items indicated to be removed.
6. See Environmental Specifications for environmental controls and procedures.

#### 1.2 SUBMITTALS

- A. Submit construction methods and equipment that will be utilized for the clearing, grubbing, and waste material disposal specified within this Section.

### PART 2 - PRODUCTS – NOT USED

### PART 3 - EXECUTION

#### 3.1 CLEARING AND GRUBBING

- A. Except as otherwise directed, cut, grub, remove and dispose of all trees, stumps, brush, shrubs, roots and any other objectionable material within the limits of the Work on the site and where required to construct the work.
- B. Protect trees or groups of trees, designated by the Engineer to remain, from damage by all construction operations by erecting suitable barriers, or by other approved means. Conduct clearing operations to prevent falling trees from damaging trees designated to remain.
1. All damage done to the trees by the Contractor's operation shall be trimmed and painted where cut as directed or as necessary to provide

adequate vertical clearance for construction activities. The dressing or paint shall be applied no later than two days after the cuts are made.

2. Use all necessary precautions to prevent injury to other desirable growth in all areas. Contractor shall assume full responsibility for any damage.
- C. Protect areas outside the limits of clearing from damage. No equipment or materials shall be stored in these areas.
- D. No stumps, trees, limbs, or brush shall be buried in fills or embankments.
- E. Notify the respective utility company prior to any utility demolition operations. Coordinate exact utility demolition procedures and limits with the respective utility company. Pay all fees and coordinate all work.

### 3.2 DISPOSAL OF MATERIALS

- A. Remove all tree trunks, limbs, roots, stumps, brush, foliage, other vegetation and objectionable material from the site and dispose of in a legal manner.
- B. Burning or direct burial of cleared and grubbed materials on-site will not be permitted.
- C. Legally dispose of all demolished and removed items off-site. Comply with project environmental specifications and requirements.

### 3.3 GRADING

- A. In preparation for placing loam, paved drives and appurtenances, perform grading to the lines, grades and elevations shown on the Drawings, and otherwise directed by the Engineer and perform in such a manner that the requirements for formation of embankments can be followed. All material encountered, regardless of its nature, within the limits indicated, shall be removed and disposed of as directed. During the process of grading, maintain the subgrade in such condition that it will be well drained at all times. Install temporary drains and drainage ditches to intercept or divert surface water that may affect the work when necessary.
- B. If at the time of grading it is not possible to place material in its final location, stockpile material in approved areas for later use. No extra payment will be made for the stockpiling or double handling of excavated material.
- C. The right is reserved to make minor adjustments or revisions in lines or grades if found necessary as the work progresses.
- D. Stones or rock fragments larger than 4 inches in their greatest dimensions will not be permitted in the top 12 inches of the finished subgrade of all fills or embankments except along the access roadways and rip-rap where shown on the Drawings.
- E. In cuts, loose or protruding rocks on the excavated slopes shall be barred loose or otherwise removed to line or finished grade of slope. Cut and fill slopes shall be uniformly dressed to the slope, cross-section and alignment shown on the Drawings or as directed by the Engineer.

END OF SECTION 02 4000

## SECTION 02 4116 - STRUCTURE DEMOLITION

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section Includes:

1. Demolition and removal of buildings and site improvements.
2. Abandoning in-place and removing below-grade construction.
3. Disconnecting, capping or sealing, and abandoning in-place and removing site utilities.
4. Salvaging items for reuse by Owner.

- B. Related Requirements:

1. Section 01 1000 "Summary" for use of the premises and phasing requirements.
2. Section 01 3200 "Photographic Documentation"
3. Division 31 "Earthwork"

#### 1.3 DEFINITIONS

- A. Remove: Detach items from existing construction and dispose of them off-site unless indicated to be salvaged.

#### 1.4 MATERIALS OWNERSHIP

- A. Unless otherwise indicated, demolition waste becomes property of Contractor.
- B. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, and other items of interest or value to Owner that may be uncovered during demolition remain the property of Owner.
  1. Carefully salvage in a manner to prevent damage and promptly return to Owner.

#### 1.5 PREINSTALLATION MEETINGS

- A. Predemolition Conference: Conduct conference at Project site.

1. Inspect and discuss condition of construction to be demolished.
2. Review structural load limitations of existing structures.
3. Review and finalize building demolition schedule and verify availability of demolition personnel, equipment, and facilities needed to make progress and avoid delays.
4. Review and finalize protection requirements.
5. Review procedures for noise control and dust control.
6. Review procedures for protection of adjacent buildings.
7. Review items to be salvaged and returned to Owner.

#### 1.6 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For refrigerant recovery technician.
- B. Engineering Survey: Submit engineering survey of condition of building.
- C. Proposed Protection Measures: Submit report, including Drawings, that indicates the measures proposed for protecting individuals and property, for environmental protection, dust control and, noise control. Indicate proposed locations and construction of barriers.
- D. Schedule of Building Demolition Activities: Indicate the following:
  1. Detailed sequence of demolition work, with starting and ending dates for each activity.
  2. Temporary interruption of utility services.
  3. Shutoff and capping of utility services.
- E. Predemolition Photographs or Video: Show existing conditions of adjoining construction and site improvements, including finish surfaces, that might be misconstrued as damage caused by demolition operations. Comply with Section 01 3233 "Photographic Documentation." Submit before the Work begins.
- F. Statement of Refrigerant Recovery: Signed by refrigerant recovery technician responsible for recovering refrigerant, stating that all refrigerant that was present was recovered and that recovery was performed according to EPA regulations. Include name and address of technician and date refrigerant was recovered.

#### 1.7 CLOSEOUT SUBMITTALS

- A. Inventory: Submit a list of items that have been removed and salvaged.

#### 1.8 QUALITY ASSURANCE

- A. Refrigerant Recovery Technician Qualifications: Certified by EPA-approved certification program.

## 1.9 FIELD CONDITIONS

- A. Buildings to be demolished will be vacated and their use discontinued before start of the Work.
- B. Buildings immediately adjacent to demolition area will be occupied. Conduct building demolition so operations of occupied buildings will not be disrupted.
  - 1. Provide not less than 72 hours' notice of activities that will affect operations of adjacent occupied buildings.
  - 2. Maintain access to existing walkways, exits, and other facilities used by occupants of adjacent buildings.
    - a. Do not close or obstruct walkways, exits, or other facilities used by occupants of adjacent buildings without written permission from authorities having jurisdiction.
- C. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- D. Hazardous Materials: Present in buildings and structures to be demolished. A report on the presence of hazardous materials is on file for review and use. Examine report to become aware of locations where hazardous materials are present.
  - 1. Hazardous material remediation is specified elsewhere in the Contract Documents.
  - 2. Do not disturb hazardous materials or items suspected of containing hazardous materials except under procedures specified elsewhere in the Contract Documents.
  - 3. Owner will provide material safety data sheets for materials that are known to be present in buildings and structures to be demolished because of building operations or processes performed there.
- E. On-site storage or sale of removed items or materials is not permitted.

## 1.10 COORDINATION

- A. Arrange demolition schedule so as not to interfere with operations of adjacent occupied buildings.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.

- B. Standards: Comply with ASSE A10.6 and NFPA 241.

## 2.2 SOIL MATERIALS

- A. Satisfactory Soils: Comply with requirements in Division 31 "Earthwork."

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Verify that utilities have been disconnected and capped before starting demolition operations.
- B. Review Project Record Documents of existing construction or other existing condition and hazardous material information provided by Owner. Owner does not guarantee that existing conditions are same as those indicated in Project Record Documents.
- C. Steel Tendons: None known.
- D. Verify that hazardous materials have been remediated before proceeding with building demolition operations.
- E. Inventory and record the condition of items to be removed and salvaged. Provide photographs or video of conditions that might be misconstrued as damage caused by salvage operations. Comply with Section 01 3233 "Photographic Documentation."

### 3.2 PREPARATION

- A. Refrigerant: Before starting demolition, remove refrigerant from mechanical equipment according to 40 CFR 82 and regulations of authorities having jurisdiction.

### 3.3 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

- A. Existing Utilities to be Disconnected: Locate, identify, disconnect, and seal or cap off utilities serving buildings and structures to be demolished.
  - 1. Owner will arrange to shut off utilities when requested by Contractor.
  - 2. Arrange to shut off utilities with utility companies.
  - 3. If removal, relocation, or abandonment of utility services will affect adjacent occupied buildings, then provide temporary utilities that bypass buildings and structures to be demolished and that maintain continuity of service to other buildings and structures.
  - 4. Cut off pipe or conduit a minimum of 24 inches below grade. Cap, valve, or plug and seal remaining portion of pipe or conduit after bypassing according to requirements of authorities having jurisdiction.

5. Do not start demolition work until utility disconnecting and sealing have been completed and verified in writing.

### 3.4 PROTECTION

- A. Existing Facilities: Protect adjacent walkways, loading docks, building entries, and other building facilities during demolition operations. Maintain exits from existing buildings.
- B. Temporary Shoring: Provide and maintain interior and exterior shoring, bracing, or structural support to preserve stability and prevent unexpected movement or collapse of construction being demolished.
  1. Strengthen or add new supports when required during progress of demolition.
- C. Existing Utilities to Remain: Maintain utility services to remain and protect from damage during demolition operations.
  1. Do not interrupt existing utilities serving adjacent occupied or operating facilities unless authorized in writing by Owner and authorities having jurisdiction.
  2. Provide temporary services during interruptions to existing utilities, as acceptable to Owner and authorities having jurisdiction.
    - a. Provide at least 72 hours' notice to occupants of affected buildings if shutdown of service is required during changeover.
- D. Temporary Protection: Erect temporary protection, such as walks, fences, railings, canopies, and covered passageways, where required by authorities having jurisdiction and as indicated. Comply with requirements in Section 01 5000 "Temporary Facilities and Controls."
  1. Protect adjacent buildings and facilities from damage due to demolition activities.
  2. Protect existing site improvements, appurtenances, and landscaping to remain.
  3. Erect a plainly visible fence around drip line of individual trees or around perimeter drip line of groups of trees to remain.
  4. Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
  5. Provide protection to ensure safe passage of people around building demolition area and to and from occupied portions of adjacent buildings and structures.
  6. Protect walls, windows, roofs, and other adjacent exterior construction that are to remain and that are exposed to building demolition operations.
  7. Erect and maintain dustproof partitions and temporary enclosures to limit dust, noise, and dirt migration to occupied portions of adjacent buildings.
- E. Remove temporary barriers and protections where hazards no longer exist. Where open excavations or other hazardous conditions remain, leave temporary barriers and protections in place.

### 3.5 DEMOLITION, GENERAL

- A. General: Demolish indicated buildings and site improvements completely. Use methods required to complete the Work within limitations of governing regulations and as follows:
1. Do not use cutting torches until work area is cleared of flammable materials. Maintain portable fire-suppression devices during flame-cutting operations.
  2. Maintain fire watch during and for at least 2 hours after flame-cutting operations.
  3. Maintain adequate ventilation when using cutting torches.
  4. Locate building demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
- B. Site Access and Temporary Controls: Conduct building demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
1. Do not close or obstruct streets, walks, walkways, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction. Provide alternate routes around closed or obstructed trafficways if required by authorities having jurisdiction.
  2. Use water mist and other suitable methods to limit spread of dust and dirt. Comply with governing environmental-protection regulations. Do not use water when it may damage adjacent construction or create hazardous or objectionable conditions, such as ice, flooding, and pollution.
- C. Explosives: Use of explosives is not permitted.

### 3.6 DEMOLITION BY EXPLOSIVES

- A. Explosives: NOT PERMITTED

### 3.7 DEMOLITION BY MECHANICAL MEANS

- A. Proceed with demolition of structural framing members systematically, from higher to lower level. Complete building demolition operations above each floor or tier before disturbing supporting members on the next lower level.
- B. Remove debris from elevated portions of the building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.
1. Remove structural framing members and lower to ground by method suitable to minimize ground impact and dust generation.
- C. Below-Grade Construction: Completely remove foundation walls, footings and other below-grade construction. Approximate depths and sizes are indicated on the drawings.
- D. Existing Utilities: Abandon existing utilities and below-grade utility structures. Cut utilities flush with grade.



- E. Existing Utilities: Demolish existing utilities and below-grade utility structures that are within and outside the footprint of the demolished structures. Abandon utilities below this area.
  - 1. Fill abandoned utility structures with satisfactory soil materials according to backfill requirements in Division 31 "Earthwork."

### 3.8 SITE RESTORATION

- A. Below-Grade Areas: Rough grade below-grade areas ready for further excavation or new construction.
- B. Below-Grade Areas: Completely fill below-grade areas and voids resulting from building demolition operations with satisfactory soil materials according to backfill requirements in Division 31 "Earthwork."
- C. Site Grading: Uniformly rough grade area of demolished construction to a smooth surface, free from irregular surface changes. Provide a smooth transition between adjacent existing grades and new grades.

### 3.9 REPAIRS

- A. Promptly repair damage to adjacent buildings caused by demolition operations.

### 3.10 DISPOSAL OF DEMOLISHED MATERIALS

- A. Remove demolition waste materials from Project site and dispose of them in an EPA-approved construction and demolition waste landfill acceptable to authorities having jurisdiction and recycle or dispose of them according to Section 01 7419 "Construction Waste Management and Disposal."
  - 1. Do not allow demolished materials to accumulate on-site.
  - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- B. Do not burn demolished materials.

### 3.11 CLEANING

- A. Clean adjacent structures and improvements of dust, dirt, and debris caused by building demolition operations. Return adjacent areas to condition existing before building demolition operations began.
  - 1. Clean roadways of debris caused by debris transport.

END OF SECTION 02 4116



## SECTION 02 82 13 – ASBESTOS ABATEMENT

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. General Provisions of Contract, including General Supplementary Conditions shall apply to this Section.
- B. Fuss & O’Neill, Inc. (Fuss & O’Neill) Limited Hazardous Building Materials Inspection Report dated October 31, 2023 (Attachment A).
- C. Unit Prices Section 01 22 00.
- D. Asbestos Roofing Abatement Section 02 82 14.
- E. Lead-Based Paint Awareness Section 02 83 19.
- F. Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury Section 02 84 16.
- G. < 50 PPM Polychlorinated Biphenyl Abatement Section 02 84 33.
- H. PCB Bulk Product Abatement Section 02 84 34.

#### 1.2 CONSULTANT

- A. The Owner shall retain a Consultant for the purposes of project management and monitoring during Asbestos Abatement activities. At the discretion of the Owner, the Consultant will represent the Owner during the abatement project. The Asbestos Abatement Contractor (the “Contractor”) will regard the Consultant's direction as authoritative and binding as provided herein, in matters particularly, but not limited to the following:
  - 1. Approval of work areas
  - 2. Review of monitoring results
  - 3. Completion of the various segments of work
  - 4. Final completion of the abatement
  - 5. Submission of data
  - 6. Daily field punch list items
- B. The State of Connecticut-licensed Asbestos Consultant – Project Designer for this project is Carlos Texidor (License No. 000275).

#### 1.3 SCOPE OF WORK

- A. Work outlined in this Section includes all work necessary for the removal, packaging, transporting, and disposing of asbestos-containing materials (ACM) and asbestos impacted materials during the renovations (the “Work”) at 818-850 Silver Lane, East Hartford, Connecticut (the “Site”). This Work under this Contract includes but is not limited to asbestos abatement in the areas of demolition and renovation throughout the buildings.

- B. This scope of work includes necessary selective demolition to access ACM scheduled for abatement.

#### 1.4 USE OF THE CONTRACT DOCUMENTS

- A. It shall be incumbent upon the Contractor to visit the Site and determine what exists, its condition, and what will be required to accomplish the Work intended by the Contract Documents. No increase in the Contract Sum will be permitted as a result of the Contractor's failure to visit the Site and understand the existing conditions.
- B. All work shall comply with the Contract Documents and with applicable codes, laws, regulations, and ordinances wherever applicable. The most stringent of all the foregoing shall govern the Work.
- C. It is not intended that the Specifications show every detail of the Work, but the Contractor shall be required to furnish within the Contract Sum all material and labor necessary for the completion of the Work in accordance with the intent of these Specifications.
- D. In case of ambiguity among the Contract documents, the more stringent requirement as determined by the Consultant shall prevail.
- E. The Work of this Contract includes making modifications as necessary, subject to approval by the Owner in consultation with the Consultant to correct any conflicts.
- F. All items not specifically mentioned in the Specifications, but implied by trade practices to complete the Work, shall be included.

#### 1.5 SITE EXAMINATION

- A. It is understood that the Contractor has examined the Site and made their own estimates of the facilities and difficulties attending the execution of the Work and has based their price thereon.
- B. Except for unforeseeable concealed conditions as determined by the Consultant, the Contractor shall make no claim for additional cost due to the existing conditions at the Site.

#### 1.6 CONTRACTOR QUALIFICATIONS

- A. All bidders shall submit a record of prior experience in asbestos abatement projects, listing no less than three completed projects in the past year, with all projects of similar size and scope. The Contractor shall list the experience and training of the project supervisor and all on-site personnel. The information that should be included is as follows:
  - 1. Project Name and Address
  - 2. Owner's Name and Address
  - 3. Architect/Consultant
  - 4. Contract Amount
  - 5. Date of Completion
  - 6. Extras and Changes

- B. The Contractor selected must appear on the approved list of Asbestos Abatement Contractors on file at the State of Connecticut Department of Public Health (CTDPH) and hold a valid license for asbestos abatement within the State of Connecticut.
- C. Submit a written statement regarding whether the Contractor has ever been cited for non-compliance with federal, state, or local asbestos and/or lead and/or polychlorinated biphenyl (PCB) regulations pertaining to worker protection, removal, transport, or disposal.

#### 1.7 TESTING LABORATORY SERVICES

- A. The Contractor shall submit to the Consultant the name; address and qualifications of proposed laboratories intended to be utilized for sample analysis as required by this Section.

#### 1.8 ADDITIONAL GENERAL REQUIREMENTS

- A. The Contractor shall employ a competent CTDPH-licensed Asbestos Abatement Supervisor with at least three years of experience on projects of similar scope and magnitude who shall be responsible for all work involving asbestos abatement as described in the specifications and defined in applicable regulations and have full-time daily supervision of the same. The Supervisor shall be the competent person as defined by Occupational Safety and Health Administration (OSHA) regulations.
- B. If required by federal, state, local, and any other authorities having jurisdiction over such work, the Contractor shall allow the work of this contract to be inspected. The Contractor shall immediately notify the Owner and Consultant and shall maintain written evidence of such inspection for review by the Owner and Consultant.
- C. The Contractor shall incur the cost of all fines resulting from regulatory non-compliance as issued by federal, state, and local agencies. The Contractor shall incur the cost of all work requirements mandated by federal, state, and local agencies as a result of regulatory non-compliance or negligence.
- D. The Contractor shall immediately notify the Owner and Consultant of the delivery of all permits, licenses, certificates of inspection, of approval, or occupancy, etc., and any other such instruments required under codes by authorities having jurisdiction, regardless of who issued, and shall cause them to be displayed to the Owner and Consultant for verification and recording.

#### 1.9 PROJECT DESCRIPTION

- A. The base bid includes the removal, packaging, transporting, and disposing of all asbestos-containing materials (ACM) as identified herein conducted by workers meeting the requirements of OSHA Title 29 CFR, Part 1926.1101 for Class 1 and 2 work. This shall include all necessary demolition to access the identified and assumed ACM.
- B. Materials as discovered outside of those listed (either above or below) will be measured and paid or credited by unit prices. The quantities are estimates only and should be verified by the Contractor.
- C. The base bid includes the following ACM:

**BASE BID – ACM**

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
<b>Building 1</b>			
Building 1 E side and W side of roof, S elevation	Light gray cementitious perforated panel ceiling of walkway canopy roof Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	500 SF	1, 3
<b>Building 2</b>			
Building 2 East edge, South elevation and 10' West of entrance, South elevation	Light gray cementitious perforated panel ceiling of walkway canopy roof Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	2,400 SF	1, 3
Building 2 Center of N wall and 40' W edge of N wall	Gray original horizontal wall joint caulk Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM and Presumed PCBs Bulk Product Waste <i>See Section 02 84 34 Polychlorinated Biphenyl Bulk Product Abatement &amp; Performance Based Clean-Up &amp; Disposal Plan for Additional Information</i>	50 LF	1, 4
Building 2 10' N of B1 on W wall, Center of N wall, 10' E of W edge on N wall, and 10' S of N edge on E wall	White horizontal wall joint repair caulk Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM and Presumed PCBs Bulk Product Waste <i>See Section 02 84 34 Polychlorinated Biphenyl Bulk Product Abatement &amp; Performance Based Clean-Up &amp; Disposal Plan for Additional Information</i>	200 LF	1, 4
Building 2 Center of N wall, East end of North wall, and N edge of E wall	White caulk between door frame and CMU Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM and Presumed PCBs Bulk Product Waste <i>See Section 02 84 34 Polychlorinated Biphenyl Bulk Product Abatement &amp; Performance Based Clean-Up &amp; Disposal Plan for Additional Information</i>	20 LF	1, 4
Building 2 SW corner of carpet area left of entry, SE tile walkway towards office #1, and NE tile walkway near partition wall	Black Mastic associated with 9x9 Blue Vinyl Floor Tile Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	54,000 SF	1, 2
Building 2 NE side in front partition wall, Building 2 SW corner of carpet area left of entry, Building 2 NW corner of tile walkway towards storage Room	9x9 Grey Vinyl Floor Tile Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	31,000 SF	1, 2

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
Building 2 SW side of grey (carpet/tile) walkway border, building 2 NW side of grey (carpet/tile) walkway border, Building 2 NW side of back grey carpet towards storage area	9x9 Yellow Vinyl Floor Tile Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	31,000 SF	1, 2
Building 2 Roof/East Chimney	White Caulk Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM and Presumed PCBs Bulk Product Waste <i>See Section 02 84 34 Polychlorinated Biphenyl Bulk Product Abatement &amp; Performance Based Clean-Up &amp; Disposal Plan for Additional Information</i>	20 LF	1, 4
<b>Building 3</b>			
Building 3 East side of roof, S elevation and West end of roof, S elevation	Light gray cementitious perforated panel ceiling of walkway canopy roof Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	1,140 SF	1, 3
Building 3 Center of North wall and 320' E of B4	Gray caulk from vertical wall seam Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM and Presumed PCBs Bulk Product Waste <i>See Section 02 84 34 Polychlorinated Biphenyl Bulk Product Abatement &amp; Performance Based Clean-Up &amp; Disposal Plan for Additional Information</i>	15 LF	1, 4
Building 3 W side middle store under blue carpet, NW corner before concrete area under grey carpet, and NW corner tile & concrete border towards left back room	Black Mastic associated with Beige 12"x12" Floor Tile Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable	5,200 SF	1, 2
Building 3 Center of main shop floor, border of 12"x12" ceramic Floor Tile & blue carpet, SW corner of blue carpet & 12"x12" ceramic Floor Tile border, and SE corner of blue carpet area left of entry	Black Mastic associated with 9"x9" Grey Vinyl Floor Tile Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable	11,000 SF	1, 2
<b>Building 4</b>			
Building 4 E side of roof, S elevation and W side of roof, S elevation	Light gray cementitious perforated panel ceiling of walkway canopy roof Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable	540 SF	1, 3
Building 4 E end of window frame on S elevation	White caulk between window frame and brick Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM	15 LF	1, 4
Building 4 N wall E end, 10' W of B5	Gray caulk from horizontal wall seam Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM	50 LF	1, 4

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
Gym Floor Under Rubber Mats (S end and N end of gym)	Black & Tan Rubber Floor Adhesive Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	3,500 SF	1, 2
Southeast Corner of Gym	Tan Caulk at Vertical window frame to brick Joint Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM	8 LF	1, 4
Building 4 Roof/SE Vertical Seam on back of Building façade/Sign	Gray Seam Caulk Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM and Presumed PCBs Bulk Product Waste <i>See Section 02 84 34 Polychlorinated Biphenyl Bulk Product Abatement &amp; Performance Based Clean-Up &amp; Disposal Plan for Additional Information</i>	10 LF	1, 4
Building 4 Roof/SW and NW Wall	Black Caulk over White Caulk on CMU Wall Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM and Presumed PCBs Bulk Product Waste <i>See Section 02 84 34 Polychlorinated Biphenyl Bulk Product Abatement &amp; Performance Based Clean-Up &amp; Disposal Plan for Additional Information</i>	140 LF	1, 4
<b>Building 5</b>			
Building 5 Roof/Raised Roof North CMU	White Caulk Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM and Presumed PCBs Bulk Product Waste <i>See Section 02 84 34 Polychlorinated Biphenyl Bulk Product Abatement &amp; Performance Based Clean-Up &amp; Disposal Plan for Additional Information</i>	290 LF	1, 4
Building 5 Roof/Lower North Roof- NE and NW Wall	White Caulk along Wall Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM and Presumed PCBs Bulk Product Waste <i>See Section 02 84 34 Polychlorinated Biphenyl Bulk Product Abatement &amp; Performance Based Clean-Up &amp; Disposal Plan for Additional Information</i>	290 LF	1, 4
Building 5 East Brick joint of S elevation and East Brick joint W side of S elevation	Gray caulk between door frame and brick Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM	40 LF	1, 4
Building 5 East SW corner, S elevation and East E end, S elevation	White/light blue plaster ceiling above walkway over metal Includes Removal, Packaging, Transporting, & Disposing as Contaminated Friable	700 SF	1



LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
Building 5 East 5' overhead door frame on N wall and East 5' S of N edge on W wall	White caulk between metal door frame and CMU wall Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM	40 LF	1, 4
Building 5 West 1st Floor, Back Entrance Hallway Fire Exit Frame	Sealant around Fire Exit Door Frame – Grey Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM	18 LF	1, 4
Building 5 East, North Storage Room – 8" Metal Drainpipe	8" White Mudded Pipe Fitting Insulation Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	45 EA	1, 5
Building 5 East, North Storage Room Fire Exit Door Frame	Black Door Frame Caulk Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM	24 LF	1, 4
Building 5 East, Northwest Storage Room Fire Exit Door Frame	Black Door Frame Caulk Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM	24 LF	1, 4

LF = Linear Feet; SF = Square Feet; EA = Each

Notes:

1. Quantities shall be verified by Contractor during the time of the walk-through. Discrepancies of amounts and/or locations of asbestos-containing materials shall be addressed prior to bidding the work to the Owner and Consultant.
  2. All materials associated with the floor tile and mastic shall be removed and disposed of as asbestos, including, but not limited to, adhesives, leveling compounds, concrete toppings, etc.
  3. Exterior removal of light gray cementitious perforated panel ceiling of walkway canopy roof shall be removed with care to prevent visible emissions.
  4. Material shall be removed completely from adjacent substrate.
  5. Asbestos-containing pipe insulation/ hard-packed pipe fitting cement may exist in concealed areas, such as pipe chases, within wet walls, above ceilings, and within mechanical spaces, etc. The Contractor is responsible for tracing all piping throughout the building for abatement and to assure the piping has been included for removal where necessary. The pipe locations shall be reviewed with the Consultant.
- D. Some of the Work will be performed in multiple mobilizations, at different periods of time, in conjunction with other trades (i.e., other trades work, demolition work, etc.).
- E. Safety Data Sheets (SDS) for chemicals to be used during the project must be submitted to the Consultant prior to site delivery.
- F. Encapsulants applied to any surface that will receive a new finish that requires an adhesive must be compatible with the application of the new finish.
- G. The Contractor shall be responsible for providing temporary water, power, and heat as needed at the Site to perform the work required. All temporary electrical power and lighting within the work areas must be connected to Ground Fault Circuit Interrupter (GFCI) power panels installed by a State of Connecticut-licensed electrician, permitted as required, and located outside of the work areas.

## 1.10 DEFINITIONS

### A. The following definitions relative to asbestos abatement apply:

1. Abatement: Procedures to control fiber release from ACM; includes removal, encapsulation, and enclosure.
2. Air Monitoring: The process of measuring the total airborne fiber concentration of an area, or a person.
3. Amended Water: Water to which a surfactant (wetting agent) has been added.
4. Architect: a person or firm professionally engaged in the design of certain large constructions other than buildings and the like.
5. Asbestos: The name given to a number of naturally occurring fibrous silicates. This includes the serpentine forms and the amphiboles, and includes chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite, or any of these forms, which have been chemically altered.
6. Asbestos-Containing Materials: For the purpose of this project design, an asbestos containing material is any building material categorized by EPA as a surfacing material, thermal system insulation, or miscellaneous that contains any amount of asbestos (as defined above) based on the analytical methodology adopted by the project designer for application to subject building materials at the Site.
7. Asbestos Felt: A product made by saturating felted asbestos with asphalt, or other suitable bindery, such as a synthetic elastomer.
8. Asbestos Fibers: Those particles with a length greater than five (5) microns and a length to diameter ratio of 3:1 or greater.
9. Asbestos Work Area: A regulated area as defined by OSHA Title 29 CFR, Part 1926.1101 where asbestos abatement operations are performed, which is isolated by physical barriers to prevent the spread of asbestos dust, fibers, or debris. The regulated area shall comply with requirements of regulated area for demarcation, access, respirators, prohibited activities, competent persons and exposure assessments and monitoring.
10. Caulking: Resilient mastic compound often having a silicone bituminous or rubber base; used to seal cracks, fill joints, and prevent leakage. Typical applications: around windows, and doors. Caulking is at joints between two dissimilar materials (i.e., masonry to wood, masonry to steel).
11. Clean Room: An uncontaminated area or room, which is a part of the worker decontamination enclosure with provisions for storage of worker street clothes and protective equipment.
12. Clearance Sampling: Final air sampling performed aggressively after the completion of the abatement project in a regulated area. Air samples collected by the air sampling professional having a total airborne fiber concentration of less than 0.010 fibers per cubic centimeter (fibers/cc) of air in each of five (5) samples collected inside the containment will denote acceptable clearance sampling by Phase Contrast Microscopy (PCM), or five air samples collected inside the containment by the air sampling professional having an average asbestos concentration of less than 70 structures per square millimeter ( $s/mm^2$ ) of air will denote acceptable clearance sampling for Transmission Electron Microscopy (TEM).
13. Competent Person: As defined by OSHA Title 29 CFR, Part 1926.1101, a representative of the Abatement Contractor who is capable of identifying existing asbestos hazards in the workplace and selecting the appropriate control strategy for asbestos exposure. The Competent Person has authority to take prompt corrective measures, and to eliminate

- such hazards during asbestos removal. The Competent Person shall be properly trained in accordance with EPA's Model Accreditation Plan (MAP).
14. Consultant: Fuss & O'Neill, Inc.: A company retained by the Owner with State of Connecticut-licensed asbestos designer and asbestos project monitors to provide services enumerated in this section during asbestos abatement.
  15. Containment: An enclosure within the building which establishes a contaminated area and surrounds the location where ACM and/or other toxic or hazardous substance removal is conducted and establishes a Control Work Area.
  16. Curtained Doorway: A device to allow ingress and egress from one area to another while permitting minimal air movement between the areas. Two curtained doorways spaced a minimum of six feet apart can form an airlock.
  17. Damp proofing: Application of a water impervious material to surface (such as a wall) to prevent penetration of moisture, typically at foundation or below grade surface.
  18. Decontamination Enclosure System: A series of connected areas, with curtained doorways between any two adjacent areas, for the decontamination of workers and equipment. A decontamination enclosure system always contains at least one airlock and is adjacent and connected to the regulated area, where possible.
  19. Encapsulant: A liquid material which can be applied to ACM, which controls the possible release of asbestos fibers from the materials either by creating a membrane over the surface (bridging encapsulant) or penetrating the material and binding its components together (penetrating encapsulant).
  20. Equipment Room: Any contaminated area or a room that is part of the worker decontamination enclosure with provisions for storage of contaminated clothing and equipment.
  21. Fixed Object: Unit of equipment or furniture in the work areas that cannot be removed from the work area.
  22. Friable Asbestos Materials: Any material that contains more than 1% asbestos by weight, that can be crumbled, pulverized, or reduced to powder by hand pressure.
  23. Glazing Compound: Any compound used to hold window glass in place, also referred to as putty, or glazier's putty; is not field applied, usually installed during manufacture of windows.
  24. HEPA Filter: High Efficiency Particulate Air (HEPA) filter in compliance with ANSI Z9.2 1979.
  25. HEPA Vacuum Equipment: Vacuum equipment fitted with a HEPA filter system for filtering the effluent air from the unit.
  26. Movable Object: Unit of equipment or furniture in the work area that can be removed from the work area.
  27. Negative Air Pressure Equipment: A portable local exhaust system equipped with HEPA filtration used to create negative pressure in a regulated area (negative with respect to adjacent unregulated areas), and capable of maintaining a constant, low velocity air flow into regulated areas from adjacent unregulated areas.
  28. NESHAP: National Emission Standards for Hazardous Air Pollutants regulations enforced by the EPA.
  29. Owner: Town of East Hartford, Connecticut: An employee or executive who has the principle responsibility for a process, program, or project.
  30. Permissible Exposure Limit (PEL): The maximum total airborne fiber concentration to which an employee is allowed to be exposed. The new limit established by OSHA Title 29 CFR, Part 1926.1101 is 0.1 fibers per cubic centimeter (fibers/cc) as an eight (8)-hour time-weighted average (TWA), and 1.0 fibers/cc averaged over a sampling period of 30 minutes as an Excursion Limit. The Contractor shall be responsible for maintaining work areas in a manner that this standard is not exceeded.

31. Project Monitor: A professional capable of conducting air monitoring and analysis of schemes. This individual should be an industrial hygienist, an environmental scientist, or a Consultant with experience in asbestos air monitoring and worker protection equipment and procedures. This individual should have demonstrated proficiency in conducting air sample collection in accordance with OSHA Title 29 CFR, Parts 1910.1001 and 1926.1101.
32. RCRA: The Resource Conservation and Recovery Act (EPA Title 40 CFR, Parts 260 - 265).
33. Regulated Area: An area established by the employer to demarcate where Class I, II, and III asbestos work is conducted and any adjoining area where debris and waste from such asbestos work accumulate, and a work area within which total airborne fiber concentrations exceed, or there is a reasonable possibility that they may exceed the PEL.
34. Shower Room: A room between the clean room and the equipment room in the work decontamination enclosure with hot and cold running water and suitably arranged for employee showering during decontamination. The shower room is located in an airlock between the contaminated area and the clean area.
35. Totally Enclosed Manner: A manner that will ensure no exposure of human beings or the environment to a concentration of asbestos.
36. Transport Vehicle: A motor vehicle or rail car used for the transportation of cargo by any mode. Each cargo-carrying body (e.g., trailer, railroad freight car) is a separate transport vehicle.
37. Waterproofing: Material, usually a membrane or applied compound (tar/mastic), used to make a surface impervious to water, includes concealed conditions (applications around doors, windows, and in wall cavities); sometimes combined with felts.

#### 1.11 SUBMITTALS

- A. The Contractor shall submit the following to the Consultant in one complete package prior to the pre-construction meeting, and no later than 10 business days prior to the anticipated start of the Work:
  1. Submit copies of all notifications, permits, applications, licenses, and like documents required by federal, state, or local regulations obtained or submitted in proper fashion.
  2. Submit a schedule to the Owner and the Consultant that defines a timetable for executing and completing the project, including work area preparations, removal, cleanup, decontamination, and final clearance air monitoring (if applicable).
  3. Submit the current valid State of Connecticut Asbestos Abatement Contractor license and certificate of insurance.
  4. Submit the name and address of the hauling contractor and landfill to be used. Also submit current valid operating permits and certificates of insurance for the transporter and landfill.
  5. Submit the plans and construction details for the construction of the decontamination systems and the isolation of the work areas as may be necessary for compliance with this specification and applicable regulations.
  6. Submit the CTDPH license, training, medical, and respirator fit test records of each employee who may be on the Site.
  7. If the Contractor's CTDPH-licensed Asbestos Abatement Supervisor is not conducting OSHA required employee exposure monitoring, submit the qualifications of the air sampling professional that the Contractor proposes to use for this project for this task.

8. Submit detailed product information on all materials and equipment proposed for asbestos abatement work on this project. This includes Safety Data Sheets (SDS) on all products and chemicals that may be used on the project.
9. Submit pertinent information regarding the qualifications of the Project Supervisor (competent person) for this project, as well as a list of past projects completed.
10. Submit a chain-of-command for the project.
11. Submit a site-specific Emergency Action Plan for the project. The Plan may include emergency procedures to be followed by Contractor personnel to evacuate the building, hospital name, phone number, and most direct transportation route from the Site, emergency telephone numbers, etc.
12. Submit a written site-specific Respiratory Protection Program for employees for the Work, including make, model and National Institute of Occupational Safety and Health (NIOSH) approval numbers of respirators to be used at the Site (if applicable).
13. Proposed electrical safeguards to be implemented by a qualified Electrical Contractor, including but not limited to; location of transformers, GFCI outlets, lighting, and power panels necessary to safely perform the project, including a description of electrical hazards and a safety plan for common practices in the work area. This may also include safety plan for temporary lighting, extension cord and other powered equipment used in the work area (locations, daily inspections, etc.).
14. Submit the proposed worker orientation plan that at a minimum includes a description of asbestos hazards and abatement methodologies, a review of worker protection requirements, and the outline of safety procedures.
15. No work on the Site will be allowed to begin until the Owner/Architect and the Consultant as listed herein approve the Pre-Construction Submittals. Any delay caused by the Contractor's refusal or inability to submit this documentation in a timely manner does not constitute a cause for change order or a time extension.

B. The Contractor shall submit the following to the Consultant during the Work:

1. Copies of personal air sampling results (Consultant will not review or provide any direction or advice regarding results). The Contractor shall be responsible for proper sample analytical review and personal protective equipment (PPE) selection and use. Records are retained solely for project record.
2. Copies of training, CTDPH certifications, fit test records, and medical records for new employees to start work (24 hours in advance) and prior to the new employee arriving at the Site.
3. Carbon copies from waste shipment record, waste manifest records, bill of lading or other waste tracking record for all specified materials.
4. Copies of daily log sheets, daily sign-in sheets, and containment sign-in sheets.

C. The Contractor shall submit the following to the Consultant at the completion of the Work. The Owner reserves right to retain payment(s) until all items are received in completion:

1. Original final completed copies of the waste shipment records, signed by all transporters and the designated disposal site owner/operator.
2. Original final completed copies of bill of lading, weight tickets, recycling tickets, and manifests for all specified materials.
3. Contractor's logs (daily activity logs, daily sign in sheets, containment sign-in sheets), and all worker training, CTDPH certifications, medical records, and respirator fit test records.
4. Copies of all OSHA personal monitoring results.

## 1.12 REGULATIONS AND STANDARDS

- A. The Contractor shall be solely responsible for conducting this project and supervising all work in a manner that will be in conformance with all federal, state, and local regulations and guidelines pertaining to asbestos abatement. Specifically, the Contractor shall comply with the requirements of the following:
1. EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) Regulations (Title 40 CFR, Part 61, Subpart M);
  2. EPA Asbestos Hazards Emergency Response Act (AHERA) Regulations (Title 40 CFR, Part 763, Subpart E);
  3. OSHA Asbestos Regulations (Title 29 CFR, Parts 1910.1001 and 1926.1101);
  4. Department of Transportation (DOT) Hazardous Waste Transportation Regulations (Title 49 CFR, Parts 170 – 180);
  5. Connecticut Department of Energy and Environmental Protection (CTDEEP) Regulations (Section 22a-209-8(i) and Section 22a-220 of the Connecticut General Statutes);
  6. CTDPH Standards for Asbestos Abatement (Sections 19a-332a-1 to 19a-332a-16);
  7. CTDPH Licensing and Training Requirements for Persons Engaged in Asbestos Abatement and Asbestos Consultant Services (Sections 20-440-1 to 20-440-9 and Section 20-441);
  8. 2003 International Building Code as adopted by the 2005 State of Connecticut Building Code including the 2009, 2011, 2013, 2016, and 2018 amendments.
  9. Life Safety Code, National Fire Protection Association (NFPA); and
  10. Local health and safety codes, ordinances or regulations pertaining to asbestos remediation and all national codes and standards including American Society of Testing and Materials (ASTM), American National Standards Institute (ANSI), and Underwriter's Laboratories (UL).

## 1.13 EXEMPTIONS

- A. Any deviations from these specifications require written approval and authorization from the Owner and Consultant. Any deviations that may impact on the bid cost shall be delineated with the bid for the Owner to review.
- B. Any modifications from the standard work practices identified in the CTDPH Standards for Asbestos Abatement, Sections 19a-332a-1 to 19a-332a-16 must be requested in writing and approved in writing by the CTDPH. The Consultant shall develop the Alternative Work Practice (AWP) application on behalf of the Owner. If the Contractor intends to request an AWP for this project, the nature of the AWP shall be disclosed in the bid documents and the cost savings associated with said AWP shall be provided for the Owner's consideration. An AWP shall not be filed without prior Owner's and Consultant's approval.

## 1.14 FINAL RE-OCCUPANCY AIR CLEARANCE

- A. Following the completion of the encapsulation phase of the work, the Consultant shall collect final re-occupancy clearance air samples inside the work area per CTDPH Standards for Asbestos Abatement (19a-332-1 to 19a-332-16).
- B. The Owner shall be responsible for payment of the sampling and analysis of the initial final air clearance samples only. The Contractor shall be responsible for payment of all costs associated

with the collection and analysis of additional final clearance air samples if the first set of samples fail to satisfy the clearance criteria.

- C. Contractor shall not conduct demolition or other removal activities during final re-occupancy air clearance sampling.

#### 1.15 NOTIFICATIONS, POSTINGS, SUBMITTALS, AND PERMITS

- A. The Contractor shall make the following notifications and provide the submittals to the following agency prior to the start of work. The CTDPH notification is required 10 calendar days prior to start of the abatement project and the EPA notification is required 10 business days prior to the start of the abatement project.

1. Connecticut Department of Public Health  
410 Capitol Avenue  
MS #12 AIR  
P.O. Box 340308  
Hartford, CT 06134-0308
2. United States Environmental Protection Agency (USEPA)  
Jordan Alves (alves.jordan@epa.gov)  
Region 1- New England (OEP05-2)  
5 Post Office Square, Suite 100  
Boston, MA 02109-3912

- B. The minimum information included in the notification to these agencies includes:

1. Name and address of building Owner/Operator
2. Building location
3. Building size, age, and use
4. Amount of asbestos to be removed
5. Work schedule, including proposed start and completion date
6. Asbestos removal procedures to be used
7. Name and location of disposal site for generated asbestos waste, residue, and debris

#### 1.16 WORK SITE SAFETY PLAN

- A. The Contractor shall establish a set of emergency procedures and shall post them in a conspicuous place at the Site. The safety plan should include provisions for the following:

1. Evacuation of injured workers.
2. Emergency and fire exit routes from all work areas.
3. Emergency first aid treatment.
4. Local telephone numbers for emergency services including ambulance, fire, and police.
5. A method to notify occupants of the building in the event of a fire or other emergency requiring evacuation of the building.

- B. The Contractor shall be responsible for training all workers in these procedures.

#### 1.17 INDEPENDENT AIR SAMPLING AND ASBESTOS ABATEMENT MONITORING

- A. This Section describes independent air sampling work being performed on behalf of the Owner. This work is not in the Contract Sum. This Section describes air monitoring conducted by the Consultant to verify that the building beyond the work area and the outside environment remains uncontaminated. (Personal air monitoring required by OSHA is work to be performed by the Contractor and is within the Contract Sum). Negative exposure assessments will not be reviewed and/or approved by the Consultant. It shall be the Contractor's responsibility to determine its validity.
- B. The purpose of the Consultant's air monitoring is to verify proper engineering controls in the work area:
  - 1. Contamination of the building outside of the work area by airborne fibers.
  - 2. Failure of filtration or rupture in the differential pressure system.
  - 3. Contamination of air outside the building envelope by airborne fibers.
- C. Should any of the above occur, the Contractor shall immediately cease asbestos abatement activities until the fault is corrected. Do not recommence work until authorized by the Consultant.
- D. The Consultant may monitor total airborne fiber concentrations in the work area. The purpose of this air monitoring will be to detect total airborne fiber concentrations, which may challenge the ability of the Work Area isolation procedures to protect the balance of the building or outside of the building from contamination by airborne fibers.
- E. To determine if the elevated total airborne fiber concentrations encountered during abatement operations have been reduced to an acceptable level, the Consultant will sample and analyze air in accordance with clearance air sampling requirements.
- F. The Consultant may perform on-site monitoring throughout the project, as follows:
  - 1. All work procedures shall be continuously monitored by the Consultant to assure that areas outside the designated work locations in the buildings will not be contaminated.
  - 2. Prior to work on any given day, the Contractor's designated "competent person" shall discuss the day's work schedule with the Consultant to evaluate job tasks with respect to safety procedures and requirements specified to prevent contamination of the building or the employees. This includes a visual work area inspection and the building or the employee decontamination.

#### 1.18 CONTRACTOR'S AIR SAMPLING RESPONSIBILITY

- A. The Contractor shall independently retain an air sampling professional, or the CTDPH-licensed Asbestos Abatement Supervisor shall monitor total airborne fiber concentrations in the worker breathing zones, and to establish conditions and work procedures for maintaining compliance with OSHA Title 29 CFR, Parts 1910.1001 and 1926.1101.
- B. The Contractor's air sampling professional shall document all air sampling results and provide a report to the Consultant within 48 hours after sample collection.



- C. All air sampling shall be conducted in accordance with methods described in OSHA Title 29 CFR, Parts 1910.1001 and 1926.1101.

1.19 PROPER WORKER PROTECTION

- A. This Section describes the equipment and procedures required for protecting workers against asbestos contamination and other workplace hazards except for respiratory protection.
- B. All workers are to be accredited as Abatement Workers as required by the EPA AHERA Title 40 CFR, Parts 763 Appendix C to Subpart E, February 3, 1994.
- C. The Contractor is required to be certified and accredited as required by CTDPH.
- D. In accordance with OSHA Title 29 CFR, Part 1926, all workers shall receive a training course covering the dangers inherent in handling asbestos, the dangers of breathing asbestos dust, proper work procedures, and proper worker protective measures. This course must include, but is not limited to the following:
  - 1. Methods of recognizing asbestos
  - 2. Health effects associated with asbestos
  - 3. Relationship between smoking and asbestos in producing lung cancer
  - 4. Nature of operations that could result in exposure to asbestos
  - 5. Importance of and instruction in the use of necessary protective controls, practices, and procedures to minimize exposure including:
    - a. Engineering controls
    - b. Work Practices
    - c. Respirators
    - d. Housekeeping procedures
    - e. Hygiene facilities
    - f. Protective clothing
    - g. Decontamination procedures
    - h. Emergency procedures
    - i. Waste disposal procedures
  - 6. Purpose, proper use, fitting, instructions, and limitations of respirators as required by OSHA Title 29 CFR, Part 1910.134
  - 7. Appropriate work practices for the work
  - 8. Requirements of medical surveillance program
  - 9. Review of OSHA Title 29 CFR, Part 1926
  - 10. Pressure Differential Systems
  - 11. Work practices including hands-on or on job training
  - 12. Personal Decontamination procedures
  - 13. Air monitoring, personal and area
- E. The Contractor shall provide medical examinations for all workers who may encounter a total airborne fiber concentration of 0.1 fibers/cc or greater for an 8-hour TWA. In the absence of specific airborne fiber data provide medical examinations for all workers who will enter the work area for any reason. Examination shall, at a minimum, meet OSHA requirements as set forth in Title 29 CFR, Part 1926. In addition, provide an evaluation of the individual's ability to work in environments capable of producing heat stress in the worker.

- F. Submit the following to the Consultant for review. The Contractor shall not start work until these submittals are returned with Consultant action stamp indicating that they are approved.
1. Submit copies of certificates from an EPA approved AHERA Abatement Workers course for each worker as evidence that each asbestos Abatement Worker is accredited as required by the AHERA Regulation Title 40 CFR, Part 763 Appendix C to Subpart E, February 3, 1994.
  2. Submit evidence that the Contractor is certified to perform asbestos abatement work by the CTDPH.
  3. Submit documents verifying that each worker has had a medical examination within the last 12 months as part of compliance with OSHA medical surveillance requirements. Submit, at a minimum, for each worker the following:
    - a. Name and Social Security Number (last 4 digits)
    - b. Physician's written opinion from examining physician including at a minimum the following:
      - 1) Whether worker has any detected medical conditions that would place the worker at an increased risk of material health impairment from exposure to asbestos.
      - 2) Any recommended limitations on the worker or on the use of PPE such as respirators.
      - 3) Statement that the worker has been informed by the physician of the results of the medical examination and of any medical conditions that may result from asbestos exposure.
  4. Copy of information that was provided to physician in compliance with OSHA Title 29 CFR, Part 1926.
  5. Statement that worker is able to wear and use the type of respiratory protection proposed for the project and is able to work safely in an environment capable of producing heat stress in the worker.
  6. Submit copies of certificates for the site supervisor and the workers issued by CTDPH.
- G. Submit certification signed by an officer of the abatement-contracting firm and notarized that exposure measurement, medical surveillance, and worker training records are being kept in conformance with OSHA Title 29 CFR, Part 1926.
- H. The Contractor shall maintain control of and be responsible for access to all work areas to ensure the following requirements:
1. Non-essential personnel are prohibited from entering the area.
  2. All authorized personnel entering the work area shall read the "Worker Protection Procedures" that are posted at the entry points to the enclosure system and shall be equipped with properly fitted respirators and protective clothing.
  3. All personnel who are exiting from the decontamination enclosure system shall be properly decontaminated.
  4. Asbestos waste that is removed from the work area must be properly bagged and labeled in accordance with these Specifications. The surface of the bags shall be decontaminated. Asbestos waste removed from the NPE must be immediately transported off-site or immediately placed in locked, posted temporary storage on-site, and removed within 24 hours of the project conclusion.
  5. Any material, equipment, or supplies that are removed from the decontamination enclosure system shall be thoroughly cleaned and decontaminated by wet cleaning and/or HEPA vacuuming of all surfaces.

## **PART 2 - PRODUCTS**

### **2.1 MATERIALS**

- A. Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name and product technical description.
- B. Damaged or deteriorating materials shall not be used and shall be removed from the premises. Material that becomes contaminated with asbestos shall be decontaminated or disposed as asbestos waste.
- C. Polyethylene (poly) sheeting in a roll size to minimize the frequency of joints shall be delivered to the Site with factory label indicating 6-mil.
- D. Poly disposable bags shall be 6-mil with OSHA required pre-printed label (29 CFR, Part 1926.1101(k)(8)(iii)). Tie wraps for bags shall be plastic, five inches long (minimum), pointed and looped to secure filled plastic bags.
- E. Tape or adhesive spray will be capable of sealing joints in adjacent poly sheets and for attachment of poly sheet to finished or unfinished surfaces of dissimilar materials and capable of adhering under both dry and wet conditions, including use of amended water.
- F. Surfactant (wetting agent) shall consist of 50 percent polyoxyethylene ether and 50 percent polyoxyethylene ester, or equivalent, and shall be mixed with water to provide a concentration of one ounce surfactant to five gallons of water or as directed by manufacturer.
- G. Removal encapsulant shall be non-flammable factory prepared penetrating chemical encapsulant deemed acceptable to Consultant. Usage shall be in accordance with manufacturer's printed technical data.
- H. The Contractor shall have available spray equipment capable of mixing wetting agent with water and capable of generating sufficient pressure and volume and having sufficient hose length to reach all areas with asbestos.
- I. Impermeable containers are to be used to receive and retain any asbestos-containing or asbestos contaminated materials until disposal at an acceptable disposal site. The containers shall be labeled in accordance with OSHA Title 29 CFR, Part 1926.1101(k)(8)(iii) [June 1, 2015 requirements]. Containers must be both air and watertight.
- J. Labels and signs, as required by OSHA Title 29 CFR, Part 1926.1101, will be used.
- K. Encapsulant shall be bridging or penetrating type which has been deemed acceptable to the Consultant. Usage shall be in accordance with manufacturer's printed technical data.
- L. HEPA filtered local exhaust ventilation shall be utilized during the installation of enclosures and supports where ACM may be disturbed.

### **2.2 TOOLS AND EQUIPMENT**

- A. The Contractor shall provide all clean tools and equipment necessary for asbestos removal, encapsulation, and enclosure.

- B. The Contractor's air monitoring professional or Abatement Supervisor shall have air monitoring equipment of type and quantity to monitor operations and conduct personnel exposure surveillance per OSHA requirements. The equipment shall function properly, and air samples shall be calibrated with a recently calibrated (within 6 calendar months) rotometer.
- C. The Contractor shall have available sufficient inventory or dated purchase orders for materials necessary for the job including protective clothing, respirators, filter cartridges, poly sheeting of proper size and thickness, tape, and air filters.
- D. The Contractor shall provide (as needed) temporary electrical power panels, electrical power cables, and electrical power sources (such as generators). Any electrical connection work affecting the building electrical power system shall be performed by a State of Connecticut-licensed electrician.
- E. The Contractor shall be responsible for coordinating electrical and water services and shall pay for these services for the duration of the project, if applicable.
- F. The Contractor shall assist the Consultant by providing necessary tools and equipment (e.g., coveralls, ladders, extension cords, lighting, etc.) for the Consultant to conduct inspections, final visual inspections, and final air clearance monitoring. The Consultant reserves the right to reject such items that are deemed unsafe and/or do not function properly and request items be replaced with adequate replacements. The work areas shall be safe to enter/occupy by the Consultant.
- G. The Contractor shall have available shower stalls and plumbing to support same to include sufficient hose length and drain system or an acceptable alternate.
- H. Exhaust air filtration system units shall contain HEPA filter(s) capable of sufficient air exhaust to create negative air pressure of at a minimum -0.02 inches of water column within enclosure with respect to outside area. Digital monometers shall be supplied for Class 1 work or Class II work if wet removal is not occurring or removal is not intact. Equipment shall be checked for proper operation by smoke tubes or differential pressure gauge before the start of each shift and at least twice during the shift. Adequate exhaust air shall be provided for a minimum of four (4) air changes per hour within the NPE. All exhaust tubes shall be routed outside through secured openings to prevent people from accessing the building. The exhaust shall be away from any air intakes or openings to the building or where people may come in contact with exhaust air. No air movement system or air filtering equipment shall discharge unfiltered air. The Contractor will have reserve units so that the station system will operate continuously.
- I. Vacuum units, of suitable size and capacities for the project, shall have HEPA filter(s) capable of trapping and retaining at least 99.97 percent of all mono-dispersed particles of 0.3 micrometers in diameter or larger.

### **PART 3 - EXECUTION**

#### **3.1 PRE-CONSTRUCTION MEETING**

- A. At least one week prior to the start of work, a Pre-Construction meeting will be scheduled and must be attended by the Contractor and any Sub-Contractors. The assigned Contractor Site Supervisor must also attend this meeting.

- B. The Contractor shall present a detailed project schedule and project submittals at the Pre-Construction Meeting. Variations, amendments, and corrections to the presented schedule will be discussed, and the Owner and the Consultant will inform the Contractor of any scheduling adjustments for this project.
- C. Following the Pre-Construction meeting, the Contractor shall submit a revised schedule (if needed) no later than one week after the meeting.

### 3.2 WORK AREA PREPARATION FOR INTERIOR ABATEMENT

- A. Where necessary, deactivate electrical power, including receptacles and light fixtures. Under no circumstances during the decontamination procedures will lighting fixtures be permitted to be operating when amended water spray may contact the fixture. Provide GFCI devices, temporary power, and temporary lighting installed in compliance with the applicable electrical codes. All installations are to be made by a State of Connecticut-licensed electrician, permitted as required, and located outside the work areas.
- B. Temporary power shall be continuous power. Portable generators for use during asbestos abatement are not authorized.
- C. Deactivate and/or isolate heating, ventilation, and air conditioning (HVAC) air systems or zones to prevent contamination and fiber dispersal to other areas of the building or structure. During the work, vents within the work area shall be covered with two layers of 6-mil poly, and completely sealed with duct tape.
- D. The Contractor shall be responsible for removing furniture, equipment, and any other materials to be salvaged from the work areas. Contractor shall be responsible for removing all solid waste within the work areas (if applicable). The Contractor shall pre-clean moveable objects within the proposed work areas using HEPA filtered vacuum equipment and/or wet cleaning methods as appropriate and remove such objects from work areas. Non-porous materials (i.e., metal) shall be cleaned, visually inspected by a project monitor prior to removal from the work areas and recycling/disposal as solid waste.
- E. Completely seal all openings, including, but not limited to, windows, corridors, doorways, skylights, ducts, grills, diffusers, and any other penetration of the work areas, with poly sheeting a minimum of 6-mil thick, and sealed with duct tape. This includes doorways and corridors that will not be used for passage during work areas and occupied areas.
- F. Pre-clean fixed objects within the work areas, using HEPA vacuum equipment and/or wet cleaning methods as appropriate, and enclose with a minimum 6-mil poly sheeting completely sealed with duct tape.
- G. Clean the proposed work areas using HEPA vacuum equipment or wet cleaning methods as appropriate. Do not use methods that raise dust, such as dry sweeping or vacuuming with equipment not equipped with HEPA filters.
- H. After HEPA vacuum cleaning, cover fixed walls and floors. All seams and joints shall be sealed with tape or equivalent. Floor covering shall consist of at least two layers of 6 mil polyethylene and must cover at least the bottom 12 inches of adjoining wall. Wall covering shall consist of a minimum of two layers of 4 mil polyethylene sheet which shall overlap the floor covering to prevent leaks. There shall be no seams in the polyethylene sheet at the wall-to-floor joints.

Ceiling covering shall consist of at least two layers of 4-mil polyethylene if applied on existing ceiling system or, if not applied directly to existing system (essentially serving as large critical barrier), the ceiling shall consist of one layer of 6-mil polyethylene sheeting and two layers of 4-mil polyethylene sheeting.

- I. Maintain emergency and fire exits from the work areas or establish alternate exits satisfactory to fire officials.
- J. Clean and remove ceiling mounted objects, such as lights and other items not sealed-off, which interfere with asbestos abatement. Use hand-held amended water spraying or HEPA vacuuming equipment during fixture removal to reduce settled fiber dispersal.
- K. Create pressure differential between work areas and uncontaminated areas by the use of acceptable negative air pressure equipment sufficient to provide four air changes per hour and create negative air pressure of at a minimum -0.02 inches of water column within enclosure with respect to outside area as measured on a water gauge.

### 3.3 DECONTAMINATION SYSTEM

- A. The Contractor shall establish contiguous to the work area, a decontamination system consisting of equipment room, shower room, and clean room, in series. The only access between contaminated and uncontaminated areas shall be through this decontamination enclosure. If it is not feasible to erect a contiguous decontamination system, the Contractor shall establish a remote decontamination unit in as close proximity to the work area as is feasible. For exterior work, the Contractor shall establish a remote decontamination system at the perimeter of the regulated work area.
- B. Access between rooms in the decontamination system shall be through double-flap curtained openings. The clean room, shower, and equipment room within the decontamination enclosure shall be completely sealed ensuring that the sole source of airflow through this area originates from uncontaminated areas outside the work area.
- C. The Contractor shall establish contiguous with the work area an equipment decontamination enclosure consisting of two totally enclosed chambers divided by a double-flapped curtained opening. This enclosure must be constructed so as to ensure no personnel enter or exit through this unit.
- D. Occupied areas and/or building space not within the work areas shall be separated from asbestos abatement work areas by means of airtight barriers.
- E. Construct the decontamination enclosure system with wood or metal framing, cover both sides with a double layer of 6-mil poly sheeting, completely sealed with spray adhesive, and taped at the joints.
- F. If a Consultant is retained for pre-abatement services, the Contractor and the Consultant shall visually inspect the barriers several times daily to assure effective seal and the Contractor shall repair defects immediately.

### 3.4 ASBESTOS REMOVAL PROCEDURE - GENERAL

- A. The Contractor shall have a designated “competent person” on the Site at all times to ensure establishment of a proper enclosure system and proper work practices throughout project.
- B. Abatement work will not commence until authorized by the Consultant.
- C. The Contractor shall properly coordinate abatement work with other trades, new construction, and Site use. The Contractor shall be responsible for addressing any concerns by the Owner and/or Consultant.
- D. With a fine mist, spray ACM with amended water using airless spray equipment or apply approved removal wetting agent to reduce the release of fibers during removal operation.
- E. To maintain indoor asbestos concentrations to the minimum, the wet asbestos must be removed in manageable sections. Material drop shall not exceed eight feet. For heights up to 15 feet, provide inclined chutes or scaffolding to intercept drop.
- F. Remove ACM as appropriate by standard methods. Fill disposal containers as removal proceeds; seal filled containers and clean containers before removal to equipment decontamination enclosure system. Wet clean each container thoroughly, double bag and apply caution label. Ensure that workers do not exit the work area through the equipment decontamination enclosure.
- G. After completion of stripping work, all surfaces from which asbestos has been removed shall be wet brushed, using a nylon brush, wet wiped, and sponged or cleaned by an equivalent method to remove all visible material (wire brushes are prohibited). During this work, the surfaces being cleaned shall be kept wet.
- H. Remove and containerize all visible accumulations of asbestos-containing and/or asbestos-contaminated debris. During cleanup, utilize brooms, rubber dustpan, and rubber squeegees to minimize damage to floor covering.
- I. Sealed disposal containers, and all equipment used in the work area, shall be included in the cleanup, and shall be removed from work areas via the equipment decontamination enclosure at an appropriate time in the cleaning sequence. All asbestos waste in 6-mil poly disposal bags shall be double bagged in the equipment decontamination enclosure before removal from the Site.
- J. At any time during asbestos removal, should the Consultant suspect contamination of areas outside the work area(s), they shall cause all abatement work to stop until the Contractor takes the necessary steps to decontaminate these areas, and eliminate the causes of such contamination. Unprotected individuals shall be prohibited from entering suspected contaminated areas until air sampling and visual inspections certify decontamination.
- K. After completion of the initial final cleaning procedure including removal of the inner layers of poly sheeting, but prior to encapsulation, a pre-sealant inspection shall be conducted by the Consultant. The pre-sealant inspection shall verify that ACM and residual dust has been removed from the work area.

### 3.5 ASBESTOS REMOVAL PROCEDURE – GLOVE BAG

- A. Removal or intentional disturbance of asbestos-containing materials should only be conducted by certified and trained employees. Personal protective equipment (PPE) is always required when removing and/or disturbing asbestos-containing materials. PPE must work in accordance with applicable OSHA regulations.
- B. The following steps should be taken when glove-bagging asbestos-containing materials. Current regulations require two employees to conduct glove-bagging. Employees should always isolate the area in case of accidental spills or bag failure.
  - 1. Isolate the area and place appropriate signs and critical barriers. Only trained and protected employees are allowed in the area during the removal process.
  - 2. Employees should don personal protective equipment.
  - 3. HEPA vacuum all debris located beneath the area of the glove bag operation. Then place polyethylene sheeting.
  - 4. Custom cut sides of glove bag to fit pipe.
  - 5. Place tools inside bag pouch (Nylon Brush, Razor, Wire Snips, Scraper, and Bone Saw, etc.)
  - 6. Place duct tape around pipe and seal edges of glove bag with duct tape (tape bottom of glove bag for extra protection)
  - 7. Cut opening near the insulation to be removed for the HEPA Vacuum nozzle and amended water wand.
  - 8. Test the bag for leaks. (A smoke tube is recommended)
  - 9. Insert tube and fill bag with smoke and squeeze bag.
  - 10. Insert spray wand in bag and spray insulation with amended water.
  - 11. While employee sprays amended water onto the insulation the glove bag employee should cut across top of insulation.
  - 12. Remove pipe insulation and spray inside of bag saturating exposed ends of pipe with lockdown encapsulant.
  - 13. Rinse tools in pouch and while holding tools in gloved hands, pull hands out. Twist and tape glove arms and cut tape in the middle. (Tools can be kept in gloves or submerged in water and cleaned)
  - 14. Turn on HEPA vacuum and deflate bag totally. Tape import holes.
  - 15. Twist bag as close to the top of bag as possible, tape and cut.
  - 16. Remove glove bag and cut away remaining bag material. (Be careful to not disturb remaining insulation)
  - 17. Wrap loose edges of insulation with a binding cloth and brush with a bridging encapsulant.
  - 18. Use proper decontamination procedures and remove personal protective equipment.
  - 19. Dispose of asbestos contaminated materials and remove signs and barriers.

### 3.6 CONSULTANT'S RESPONSIBILITIES

- A. Air sampling may be conducted by the Consultant to ascertain the integrity of the controls that protect the building from asbestos contamination. Independently, the Contractor shall monitor air quality within the work area to ascertain the protection of employees, and to comply with OSHA regulations.
- B. The Consultant's project monitor may collect and analyze air samples during the following period:



1. Abatement Period. If required, or retained for this service, the Consultant shall collect samples on a daily basis during the work period. A sufficient number of area samples shall be collected outside of the work area, at the exhaust of the negative pressure system, and outside of the building to evaluate the degree of cleanliness or contamination of the building during removal. At the discretion of the Consultant, additional air samples may be collected inside the work area and decontamination enclosure system.
  - a. If the Consultant determines that the building air quality has become contaminated from the abatement project, they shall immediately inform the Contractor to cease all removal operations and implement a work stoppage clean-up procedure. The Contractor shall conduct a thorough clean-up of the building areas designated by the Consultant. No further removal work may occur until the Consultant has determined through air sample collection and analysis that the airborne fiber concentrations are at or below the CTDPH re-occupancy standard.

C. The Consultant may collect and analyze air samples during the following period:

1. Post-Abatement Period. If required, the Consultant shall conduct air sampling following the final clean-up phase of the project, once the "no visible residue" criterion, as established by the Consultant, has been met and the work area has been encapsulated by the Contractor. Five air samples shall be collected inside the work area utilizing aggressive methods to comply with the CTDPH Standards for Asbestos Abatement Section 19a-332a-12.
  - a. Final re-occupancy air clearance sampling shall be conducted by the Consultant in accordance with the CTDPH requirements using one of the following methods:
    - 1) Transmission Electron Microscopy (TEM) method with an average limit of less than 70 s/mm<sup>2</sup> of filter surface.
    - 2) Phase Contrast Microscopy (PCM) with a total airborne fiber concentration limit of less than or equal to 0.010 fibers/cc.

D. The Owner shall be responsible for payment for the initial final clearance air sampling performance only. If the first set of samples fail to satisfy the re-occupancy criteria, the Contractor shall be responsible for payment of all costs associated with the additional final clearance air sampling and analysis.

E. The Consultant shall provide continual evaluation of the air quality of the building during removal, using their best professional judgment in respect to the CTDPH guideline of 0.010 fibers/cc, and the background air quality established during the pre-abatement period.

F. Pre-abatement and abatement air samples shall be collected as required to obtain a volume of 1,200 liters. Samples shall be analyzed by PCM NIOSH 7400 Method.

### 3.7 CONSULTANT'S INSPECTION RESPONSIBILITIES

A. The Consultant shall conduct inspections throughout the progress of the abatement project. Inspections shall be conducted to document the abatement work progress, as well as the procedures and practices employed by the Contractor.

B. The Consultant may perform the following inspections during the abatement activities:

1. Pre-commencement Inspection. Pre-commencement inspections shall be performed at the time requested by the Contractor. The Consultant shall be informed 24 hours prior to

the time the inspection is needed. If deficiencies are noted during the pre-commencement inspection, the Contractor shall perform the necessary adjustments to obtain compliance.

2. Work Area Inspections. Work area inspections shall be conducted on a daily basis at the discretion of the Consultant. During the work inspections, the Consultant shall observe the Contractor's removal procedures, verify barrier integrity, monitor negative air filtration devices, assess project progress, and if deficiencies are noted, inform the abatement Contractor of specific remedial activities.

C. The Consultant shall perform the following inspections during the abatement activities:

1. Pre-sealant Inspection. Upon the request of the Contractor, the Consultant shall conduct a pre-sealant inspection. The Consultant shall be informed 24 hours prior the time that the inspection is needed. The pre-sealant inspection shall be conducted after completion of the initial cleaning procedures, but prior to encapsulation. The pre-sealant inspection shall verify that all ACM and residual debris have been removed from the work area. If the Consultant identifies residual dust or debris during the pre-sealant inspection, the Contractor shall comply with the request of the Consultant to render the area "dust free".
2. Final Visual Inspection. Upon request of the abatement Contractor, the Consultant shall conduct a final visual inspection. Following the removal of the inner layer of poly sheeting, but prior to final air clearance, the Consultant shall conduct a final visual inspection inside the work area. If residual dust or debris is identified during the final inspection, the Contractor shall comply with the request of the Consultant to render the area "dust free".

### 3.8 RE-OCCUPANCY AIR CLEARANCE AIR TESTING

- A. After the visual inspection is completed and all surfaces in the abatement area have dried, the Consultant shall conduct final re-occupancy air clearance sampling. Aggressive air monitoring will be used. Selection of location and of samples shall be the responsibility of the Consultant. Air monitoring volumes shall be sufficient to provide a detection limit of 0.010 fibers/cc using PCM NIOSH Method 7400, or a detection limit of 70 s/mm<sup>2</sup> utilizing TEM analysis as required.
- B. Areas that do not comply with the Standard for Cleaning for Initial Clearance (no visible dust or debris) shall continue to be cleaned by, and at, the Contractor's expense until the specified Standard of Cleaning is achieved, as evidenced by results of air testing results, as previously specified. This shall include all Consultant-based costs.
- C. The Contractor shall properly schedule abatement work and other site activities at appropriate times and locations to prevent cross contamination and/or dust in areas where the Consultant will conduct air sampling.

### 3.9 ASBESTOS DISPOSAL

- A. Asbestos-containing and/or asbestos-contaminated material disposal must be in compliance with requirements of, and authorized by the EPA, CTDEEP, and the State of Connecticut.
- B. Disposal approvals shall be obtained before commencing asbestos removal.
- C. A copy of approved disposal authorization shall be provided to the Owner and the Consultant, and any required federal, state, or local agencies.

- D. Copies of all fully executed Waste Shipment Records (WSR) will be retained by the Consultant as part of the project file. The Contractor shall document the specific amount of waste on each WSR, portion/location of the Site building it was generated from, and the type of waste. Upon receipt of the ACM waste, the landfill operator will sign the WSR, and the quantity of asbestos debris leaving the Site, and arriving at the landfill is documented for the Owner.
- E. All asbestos debris shall be transported in covered, sealed vans, boxes, or dumpsters, which are physically isolated from the driver by an airtight barrier. All vehicles must be properly licensed to meet DOT requirements.
- F. Any vehicles used to store or transport ACM will either be removed from the Site at night, or securely locked and posted to prevent disturbance.
- G. Any incident and/or accident that may result in spilling or exposure of asbestos waste outside the containment, on and off the property, and all related issues shall be the sole responsibility of the Contractor.

END OF SECTION 02 82 13



## **SECTION 02 82 14 – ASBESTOS ROOFING ABATEMENT**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

- A. General Provisions of Contract, including General Supplementary Conditions shall apply to this Section.
- B. Fuss & O’Neill, Inc. (Fuss & O’Neill) Limited Hazardous Building Materials Inspection Report dated October 31, 2023 (Attachment A).
- C. Unit Prices Section 01 22 00.
- D. Asbestos Abatement Section 02 82 13.
- E. Lead-Based Paint Awareness Section 02 83 19.
- F. Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury Section 02 84 16.
- G. < 50 PPM Polychlorinated Biphenyl Abatement Section 02 84 33.
- H. PCB Bulk Product Abatement Section 02 84 34.

#### **1.2 CONSULTANT**

- A. The Owner shall retain a Consultant for the purposes of project management and monitoring during Asbestos Roofing Abatement. The Consultant will represent the Owner in all phases of the abatement project at the discretion of the Owner. The Asbestos Abatement Roofing Contractor and/or Demolition Contractor (collectively, the “Contractor”) will regard the Consultant's direction as authoritative and binding as provided herein, in matters particularly, but not limited to the following:
  - 1. Work area approval
  - 2. Monitoring results review
  - 3. Various segments of work completion
  - 4. Abatement final completion, data submission review
  - 5. Daily field punch list items
- B. The State of Connecticut licensed Asbestos Consultant – Project Designer for this project is Carlos Texidor (License No. 000275).

#### **1.3 SCOPE OF WORK**

- A. A.Work outlined in this Section includes all work necessary for the removal, packaging, transporting, and disposing of asbestos-containing materials (ACM) and asbestos impacted materials during the renovations (the “Work”) at 818-850 Silver Lane, East Hartford, Connecticut (the “Site”). This Work under this Contract includes but is not limited to asbestos abatement in the areas of demolition and renovation throughout the buildings.

- B. This shall include all necessary demolition to access the ACM for abatement.

#### 1.4 USE OF THE CONTRACT DOCUMENTS

- A. It shall be incumbent upon the Contractor to visit the Site and determine existing conditions, and what will be required to accomplish the Work intended by the Contract Documents. No increase in the Contract Sum will be permitted as a result of the Contractor's failure to visit the building located at the Site and understand the existing conditions.
- B. All work shall comply with the Contract Documents and with applicable codes, laws, regulations, and ordinances, wherever applicable. The most stringent of all the foregoing shall govern.
- C. It is not intended that these Specifications show every detail of the Work, but the Contractor shall be required to furnish within the Contract Sum all materials and labor necessary for the completion of the Work in accordance with the intent of these Specifications.
- D. In case of ambiguity among the Contract Documents, the more stringent requirement as determined by the Consultant shall prevail.
- E. The Work of this Contract includes making modifications as necessary, subject to approval by Owner in consultation with the Consultant, to correct any conflicts between contract documents.
- F. All items that are not specifically mentioned in these Specifications but are implied by trade practices to complete the Work, shall be included.

#### 1.5 SITE EXAMINATION

- A. It is understood that the Contractor has examined the Site and made their own estimates of the Site facilities and difficulties attending the execution of the Work and has based their bid price thereon.
- B. Except for unforeseeable concealed conditions as determined by the Consultant, the Contractor shall make no claim for additional costs due to the existing Site conditions.

#### 1.6 CONTRACTOR QUALIFICATIONS

- A. All bidders shall submit a record of prior experience in asbestos abatement projects, listing no less than three completed projects in the past year, with all projects of similar size and scope. The Contractor shall list the experience and training of the project supervisor and all on-site personnel. The information to be included is as follows:
  - 1. Project Name and Address
  - 2. Owner's Name and Address
  - 3. Architect/Consultant
  - 4. Contract Amount
  - 5. Date of Completion
  - 6. Extras and Changes
- B. If the roofing materials to be removed become a regulated asbestos-containing material (RACM) during abatement, the selected Contractor must appear on the approved list of

Asbestos Abatement Contractors on file at the State of Connecticut Department of Public Health (CTDPH) and hold a valid Asbestos Abatement Contractor license within the State of Connecticut.

- C. Submit a written statement regarding whether the Contractor has ever received a federal, state, or local non-compliance citation with the asbestos, lead, and/or polychlorinated biphenyl (PCB) regulations pertaining to worker protection, removal, transport, or waste disposal.

#### 1.7 CONSTRUCTION PROGRESS SCHEDULE

- A. To assure adequate planning and execution of the Work and to assist the Consultant in reviewing the justification for the Contractor's applications for payment, the Contractor shall prepare and maintain a detailed Progress Schedule.
- B. The schedule of work of this Contract shall include the notification requirements to regulatory agencies for the work if exterior materials will become friable during proposed removal operations. It shall be incumbent upon the Contractor performing the asbestos abatement to determine if proposed removal methods shall render the asbestos-containing exterior roofing materials friable or not.
- C. The Contractor shall supervise and direct all work of theirs and other trades using their best skill and attention. The Contractor shall be solely responsible for all construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the work under the Contract.
- D. Due to the nature of this construction work, the scheduling or phasing of work under this Contract may be adjusted by the Owner. As long as the scope of work is not altered, adjustments to the project phasing shall have no effect on the contract price.
- E. The Contractor and any subcontractors shall attend a pre-construction meeting. The assigned Supervisor must attend this meeting.

#### 1.8 TESTING LABORATORY SERVICES

- A. The Contractor shall submit to the Consultant the name, address, and qualifications of proposed laboratories intended to be utilized for sample analysis as required by this Section.

#### 1.9 ADDITIONAL GENERAL REQUIREMENTS

- A. The Contractor shall employ a competent Supervisor with at least three years of experience on projects of similar scope and magnitude, who shall be responsible for all work involving asbestos abatement, as described in the specifications and defined in applicable regulations and have full-time daily supervision of the same. The Supervisor shall be the competent person as defined by OSHA regulations.
- B. Should the ACM become friable during removal, the Contractor shall employ a competent Asbestos Abatement Supervisor with at least three years of experience on projects of similar scope and magnitude, who shall be responsible for all work involving asbestos abatement as described in the specifications, and defined in applicable regulations, and have full-time daily supervision of the same.

- C. If requested or required by local, state, federal, and any other authorities having jurisdiction over such work, the Contractor shall allow the Work of this Contract to be inspected. The Contractor shall immediately notify the Owner and the Consultant and shall maintain written evidence of such inspection for review by the Owner and the Consultant.
- D. The Contractor shall incur the cost of all fines resulting from regulatory non-compliance, as issued by federal, state, and local agencies. The Contractor shall incur the cost of all work requirements mandated by federal, state, and local agencies as a result of regulatory non-compliance or negligence.
- E. The Contractor shall immediately notify the Owner and Consultant of the delivery of all permits, licenses, certificates of inspection, of approval, or occupancy, etc., and any other such instruments required under codes by authorities having jurisdiction, regardless of who issued, and shall cause them to be displayed to the Owner and Consultant for verification and recording.

1.10 PROJECT DESCRIPTION

- A. The base bid includes the removal, packaging, transportation, and disposal of all ACM as identified herein, conducted by workers meeting the requirements of OSHA Title 29 CFR, Part 1926.1101 for Class 2 work.
- B. The quantities listed herein are estimates only and should be verified on-site by the Contractor.
- C. This base bid includes the following materials and locations:

**BASE BID – ASBESTOS**

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
<b>Building 1</b>			
Building 1 above roof - Sealant on Soffit to Brick on Building 2 SW	Black Tar Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	140 LF	1, 4
Building 1 Roof Compressor on Eastern Side	Black Tar Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	10 SF	1, 4
Building 1 Roof/Soffit Sealant-South	Black Tar with Silver Paint Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	5 SF	1, 4
Building 1 Roof/Patch @ Panel of Side Wall West of Building 2 North End of Wall	Black Tar Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	8 SF	1, 4
<b>Building 2</b>			
Building 2 Roof/NW Curb	4 Ply Built-up Roof Flashing Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable	240 LF	1, 4
Building 2 Roof/Parapet Wall Flashing on Brick, Southeast Flashing on Equipment, and NE Flashing	Black Asphaltic 4 Ply Roof Flashing Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable	650 LF	1, 4



LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
Building 2 Roof/Center Field, NW Field, and SE Field	Black Paperback of Isoform Board Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable	58,500 SF	1, 4
Building 2 Roof/NW Corner Curb	Black Paperback of Isoform Board Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable	240 LF	1, 4
Building 2 Roof/East Edge Roof Vent	Silver Coating Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable	30 SF	1, 4
<b>Building 3</b>			
Building 3 West end, S elevation and Center of South elevation	Black asphaltic roof membrane on top of walkway canopy Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	1,140 SF	1, 4
Building 3 Roof/South Roof Field	4 Ply Asphaltic Roof Field over 2" Isoform Foam Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	14,500 SF	1, 4
Building 3 Roof/Roof Curb North and South	4 Ply Asphaltic Roof Flashing over 2" Isoform Foam Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable	110 LF	1, 4
Building 3 Roof/Roof Flashing South and North	4 Ply Asphaltic Roof Flashing over Isoform Foam Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable	250 LF	1, 4
Building 3 Roof/Northside Air Vent	Silver Coating on Air Vent Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable	10 SF	1, 4
<b>Building 4</b>			
Building 4 E side, S elevation and Center of S elevation	Black asphaltic roof cover on top of walkway canopy Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable	540 SF	1, 4
Building 4 Roof/North Center Flashing	4 Ply Black Asphaltic Roof Flashings Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	190 LF	1, 4
Building 4 Roof/East Edge Curb	4 Ply Black Asphaltic Roof Flashings Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	200 LF	1, 4
Building 4 Roof/South Flashing	4 Ply Black Asphaltic Roof Flashings Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	190 LF	1, 4
<b>Building 5</b>			
Building 5 Roof/SE Roof Flashing and Drop Roof South Flashing	4 Ply Black Asphaltic Roof Flashings Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable	20,500 LF	1, 4
Building 5 Roof/Elevated Roof Curbing, South Roof Curbing, and Drop Roof South Curbing	4 Ply Black Asphaltic Roof Flashings Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable	250 LF	1, 4

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
Building 5 Roof/NE and NW Lower North Roof Flashing	4 Ply Black Asphaltic Roof Flashings Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	1,750 SF	1, 4
Building 5 Roof/NW Lower North Roof Curb	Black Tar Fiber back Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	150 LF	1, 4
Building 5 Roof/Upper Canopy Field-West	4 Ply Black Asphaltic Roof Field Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	850 SF	1, 4
Building 5 Roof/Lower Canopy Flashing-West	4 Ply Black Asphaltic Roof Flashing Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	60 LF	1, 4
Building 5 Roof/Lower Canopy-West	Silver Tarpaper Over 4 Ply Asphaltic Roof Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	850 SF	1, 4

LF = Linear Feet; SF = Square Feet

Notes:

1. Quantities shall be verified by Contractor during the time of the walk-through. Discrepancies of amounts and/or locations of asbestos-containing materials shall be addressed prior to bidding the work to the Owner and Consultant.
  2. All materials associated with the floor tile and mastic shall be removed and disposed of as asbestos, including, but not limited to, adhesives, leveling compounds, concrete toppings, etc.
  3. Exterior removal of light gray cementitious perforated panel ceiling of walkway canopy roof shall be removed with care to prevent visible emissions.
  4. Material shall be removed completely from adjacent substrate.
  5. Asbestos-containing pipe insulation/ hard-packed pipe fitting cement may exist in concealed areas, such as pipe chases, within wet walls, above ceilings, and within mechanical spaces, etc. The Contractor is responsible for tracing all piping throughout the building for abatement and to assure the piping has been included for removal where necessary. The pipe locations shall be reviewed with the Consultant.
- D. Some of the Work will be performed in multiple mobilizations, at different periods of time, in conjunction with other trades (i.e., other trades work, demolition work, etc.).
- E. Safety Data Sheets (SDS) for chemicals to be used during the project must be submitted to the Consultant prior to site delivery.
- F. The Contractor shall be responsible for providing temporary water, power, and heat as needed at the Site. Temporary lighting within the work areas must be connected to Ground Fault Circuit Interrupter (GFCI) power panels, installed by a State of Connecticut-licensed electrician, and located outside of the work areas.
- G. The Contractor shall be responsible for providing preparation of negative pressure enclosures (NPE), cleaning, etc. at no additional cost to the Owner, if work practices result in ACM breaching the roof deck or other activity that allows the material to enter the building during abatement.

## 1.11 DEFINITIONS

A. The following definitions relative to asbestos roof abatement shall apply:

1. Abatement - Procedures to control fiber release from ACM; includes removal, encapsulation, and enclosure.
2. Air Monitoring - The process of measuring the total airborne fiber concentration of an area or exposure of a person.
3. Amended Water - Water to which a surfactant has been added.
4. Asbestos - The name given to a number of naturally occurring fibrous silicates. This includes the serpentine forms and the amphiboles and includes chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite, or any of these forms, which have been chemically altered.
5. Asbestos Felt - A product made by saturating felted asbestos with asphalt or other suitable bindery, such as a synthetic elastomer.
6. Asbestos Fibers - Those particles with a length greater than five (5) microns ( $\mu$ ) and a length to diameter ratio of 3:1 or greater.
7. Asbestos Work Area - A regulated area as defined by OSHA Title 29 CFR, Part 1926.1101 where asbestos abatement operations are performed that is isolated by physical barriers to prevent the spread of asbestos dust, fibers, or debris. The regulated area shall comply with requirements of regulated area for demarcation, access, respirators, prohibited activities, competent persons and exposure assessments and monitoring.
8. Asphalt Shingles, Composition Shingles, or Strip Slates (Pitched Roof Shingle) - A roofing material manufactured by saturating a dry felt with asphalt then coating the saturated felt with a harder asphalt mixed with a fine mineral, glass fiber, asbestos or organic stabilizer. All or part of the weather side may be covered with mineral granules, or with powdered talc or mica.
9. Base Flashing (Roof) - The flashing provided by upturned edges of a water-tight membrane on a roof. May contain metal and associated waterproofing material or combination of roofing felts and waterproofing at the joint between a roofing surface and a vertical surface, such as a wall or parapet. Also base flashing may be present at perimeter of completely flat roof.
10. Built-Up Roofing (Composition Roofing, Felt and Gravel Roofing, Gravel Roofing) - A continuous roof covering comprised of laminations or plies of saturated or coated roofing felts, alternated with layers of asphalt or coal-tar pitch and surfaced with gravel, paint or finish coat.
11. Category I Non-Friable Material - Asbestos-containing packings, gaskets, resilient floor coverings, and asphalt roofing products.
12. Category II Non-Friable Material - Any non-friable ACM not designated as Category I.
13. Caulking - Resilient mastic compound often having a silicone bituminous or rubber base; used to seal cracks, fill joints, and prevent leakage. Typical applications: around windows, and doors. Caulking is at joints between two dissimilar materials. (i.e., masonry to wood, masonry to steel)
14. Clean Room - An uncontaminated area or room, which is a part of the worker decontamination system with provisions for storage of workers' street clothes and protective equipment.
15. Clearance Sampling - Final air sampling performed aggressively after the completion of the abatement project within a regulated area. Air samples collected by the air sampling professional having a total airborne fiber concentration of less than 0.010 fibers per cubic centimeter (fibers/cc) of air in each of five (5) air samples collected inside the NPE will

indicate acceptable area re-occupancy by Phase Contrast Microscopy (PCM), or five air samples collected inside the NPE by the Consultant having an average asbestos concentration of less than 70 structures per square millimeter ( $< 70 \text{ s/mm}^2$ ) of air will indicate area re-occupancy using Transmission Electron Microscopy (TEM).

16. Competent Person - As defined by OSHA Title 29 CFR, Part 1926.1101, a representative of the Abatement Contractor who is capable of identifying existing asbestos hazards in the workplace and selecting the appropriate control strategy for asbestos exposure. Person who has authority to take prompt corrective measures to eliminate such hazards during asbestos removal. Competent person shall be properly trained in accordance with EPA Model Accreditation Plan (MAP).
17. Consultant - Fuss & O'Neill, Inc.
18. Curtained Doorway - A device to allow ingress and egress from one area to another while permitting minimal air movement between the areas. Two curtained doorways spaced a minimum of six feet apart can form an airlock.
19. Damp proofing - The application of a water-impervious material to surface such as wall to prevent penetration of moisture, typically at foundation or below grade surface.
20. Decontamination System - A series of connected areas, with curtained doorways between any two adjacent areas, for worker and equipment decontamination. A decontamination system always contains at least one airlock and is adjacent and connected to the regulated area, where possible.
21. Encapsulant - A liquid material which can be applied to ACM that controls the possible release of asbestos fibers from the materials either by creating a membrane over the surface (bridging encapsulant), or penetrating the material and binding its components together (penetrating encapsulant).
22. Equipment Room - Any contaminated area or a room that is part of the worker decontamination system with provisions for storage of contaminated clothing and equipment.
23. Fixed Object - Unit of equipment or furniture in the work area that cannot be removed from the work area.
24. Friable Asbestos Materials - Any material that contains more than 1% asbestos by weight, that can be crumbled, pulverized or reduced to powder by hand pressure.
25. Glazing - Any compound used to hold window glass in place, also referred to as putty, or glazier's putty. Is not field applied, usually installed during manufacture of windows.
26. GFCI - Ground Fault Circuit Interrupter
27. HEPA - High Efficiency Particulate Air
28. HEPA Filter - Filter in compliance with ANSI Z9.2 1979.
29. HEPA Vacuum Equipment - Vacuum equipment equipped with a HEPA filter system for filtering the air effluent.
30. Movable Object - Unit of equipment or furniture in the work area that can be removed from the work area.
31. Negative Air Pressure Equipment - A portable local exhaust system equipped with HEPA filtration used to create negative pressure in a regulated area (negative with respect to adjacent unregulated areas) and capable of maintaining a constant, low velocity air flow into regulated areas from adjacent unregulated areas.
32. NESHAP - National Emission Standards for Hazardous Air Pollutants regulations enforced by the EPA.
33. Owner - Town of East Hartford, Connecticut: An employee or executive who has the principle responsibility for a process, program, or project.
34. Penetration Roof Flashing - Flashing are used to waterproof pipes, supports, cables, and all roof protrusions.

35. Permissible Exposure Limit (PEL) - The maximum total airborne fiber concentration to which an employee is allowed to be exposed. The limit established by OSHA Title 29 CFR, Part 1926.1101 is 0.1 fibers/cc as an 8-hour TWA and 1.0 fibers/cc averaged over a sampling period of 30 minutes as an Excursion Limit. The Contractor shall be responsible for maintaining work areas in a manner that this standard is not exceeded.
36. Project Monitor - A professional capable of conducting air monitoring and analysis of schemes. This individual should be an industrial hygienist, an environmental scientist, or an engineer with experience in asbestos air monitoring and worker protection equipment and procedures. This individual should have demonstrated proficiency in conducting air sample collection in accordance with OSHA Title 29 CFR, Parts 1910.1001 and 1926.1101.
37. Regulated Asbestos-Containing Material (RACM) - Is a friable ACM, or a Category I non-friable ACM that has become friable or will be or has been subjected to sanding, grinding, cutting or abrading, or Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by force expected to act on the material during demolition or renovation operations.
38. Regulated Area - An area established by the employer to demarcate where Class I, II, and III asbestos abatement is conducted, and any adjoining area where debris and waste from such asbestos work accumulate, and a work area within which airborne concentrations of asbestos exceed or there is a reasonable possibility that they may exceed the PEL.
39. Shower Room - A room between the clean room and the equipment room in the work decontamination system with hot and cold running water and suitably arranged for employee showering during decontamination. The shower room is located in an airlock between the contaminated area and the clean area.
40. Waterproofing - Material, usually a membrane or applied compound (tar/mastic), used to make a surface impervious to water, includes concealed conditions (applications around doors, windows, and in wall cavities). Sometimes combined with felts.

#### 1.12 SUBMITTALS

- A. The Contractor shall submit the following to the Consultant in one complete package prior to the pre-construction meeting, and no later than 10 business days prior to the anticipated start of the Work:
  1. Submit a schedule to the Owner and the Consultant that defines a timetable for executing and completing the project, including work area preparations, removal, cleanup, decontamination, and final clearance air monitoring (if applicable).
  2. Submit the current valid CTDPH Asbestos Abatement Contractor license (if materials become RACM during removal) and certificate of insurance.
  3. Submit the name and address of the hauling contractor and location of the landfill to be used. Also submit current valid operating permits and certificates of insurance for the transporter and landfill.
  4. Submit video documentation showing the conditions of the building prior to the start of work. The contractor will be held responsible for all damage to the building and its contents not shown on the video documentation.
  5. Submit the plans and construction details for the construction of the decontamination systems and the isolation of the work areas as may be necessary for compliance with this specification and applicable regulations.
  6. Submit the CTDPH license (if applicable), training, medical, and respirator fit test records of each employee who may be on the project site.

7. Submit the qualifications of the air sampling professional that the Contractor proposed to use for this project to perform OSHA-required employee exposure monitoring.
8. Submit detailed product information on all materials and equipment proposed for asbestos abatement work on this project.
9. Submit pertinent information regarding the qualifications of the Project Supervisor (competent person) for this project as well as a list of past projects completed.
10. Submit a chain-of-command for the project.
11. Submit a site-specific Emergency Action Plan for the project.
12. Submit a written site-specific Respiratory Protection Program for employees for the Work, including make, model and National Institute of Occupational Safety and Health (NIOSH) approval numbers of respirators to be used at the Site (if applicable).
13. No work on the Site will be allowed to begin until the Owner/Architect and the Consultant as listed herein approve the Pre-Construction Submittals. Any delay caused by the Contractor's refusal or inability to submit this documentation in a timely manner does not constitute a cause for change order or a time extension.

B. The Contractor shall submit the following to the Consultant during the work:

1. Copies of personal air sampling results (Consultant will not review or provide any direction or advice regarding results). The Contractor shall be responsible for proper sample analytical review and personal protective equipment (PPE) selection and use. Records are retained solely for project records.
2. Copies of training, CTDPH licenses (if applicable), fit test records, and medical records for new employees to start work (24-hours in advance), and prior to the new employee arriving at the Site.
3. Carbon copies from waste shipment record, waste manifest records, bill of lading, or other waste tracking record for all specified materials.
4. Copies of daily log sheets, daily sign-in sheets, and containment sign-in sheets.

C. The Contractor shall submit the following to the Consultant at the completion of work. The Owner reserves right to retain payment(s) until all items are received in completion:

1. Original final completed copies of the waste shipment records, signed by all transporters and the designated disposal site owner/operator.
2. Original final completed copies of bill of lading, weight tickets, recycling tickets, and manifests for all specified materials.
3. Contractor's logs (daily activity logs, daily sign in sheets, containment sign-in sheets), and all worker training, CTDPH licenses (if applicable), medical records and respirator fit test records.
4. Copies of all OSHA personal monitoring results.

#### 1.13 REGULATIONS AND STANDARDS

A. The Contractor shall be solely responsible for conducting this project and supervising all work in a manner that will be in conformance with all federal, state, and local regulations and guidelines pertaining to asbestos abatement. Specifically, the Contractor shall comply with the requirements of the following:

1. EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) Regulations (Title 40 CFR, Part 61, Subpart M);
2. OSHA Asbestos Regulations (Title 29 CFR, Parts 1910.1001 and 1926.1101);

3. Connecticut Department of Energy and Environmental Protection (DEEP) Regulations (Section 22a 209 8(i) and Section 22a 220 of the Connecticut General Statutes);
4. CTDPH Standards for Asbestos Abatement (Sections 19a-332a- 1 to 19a-332a-16);
5. CTDPH Licensing and Training Requirements for Persons Engaged in Asbestos Abatement and Asbestos Consultant Services (Sections 20-440-1 to 20-440-9 and Section 20-441);
6. United States Department of Transportation (DOT) Hazardous Materials Regulations (Title 49 CFR, Parts 171 – 180);
7. Connecticut Basic Building Codes;
8. Life Safety Code National Fire Protection Association (NFPA); and
9. Local health and safety codes, ordinances, or regulations pertaining to asbestos remediation and all national codes and standards including American Society for Testing and Materials (ASTM), American National Standards Institute (ANSI), and Underwriter's Laboratories (UL).

#### 1.14 EXEMPTIONS

- A. Any deviations from these specifications require prior written approval and authorization from the Owner and the Consultant.
- B. Any modifications from the standard work practices identified in the CTDPH Standards for Asbestos Abatement, Sections 19a-332a-1 to 19a-332a-16 must be requested in writing and approved in writing by the CTDPH.

#### 1.15 FINAL RE-OCCUPANCY AIR CLEARANCE

- A. Not applicable for exterior non-friable roof abatement project.

#### 1.16 NOTIFICATIONS, POSTINGS, SUBMITTALS, AND PERMITS

- A. The Contractor shall make the following written notifications and provide the submittals to the following agency prior to the commencement of abatement if the work is going to render the ACM friable. The CTDPH notification is required 10 calendar days prior to start of the abatement project and the EPA notification is required 10 business days prior to the start of the abatement project:
  1. Connecticut Department of Public Health  
410 Capitol Avenue  
MS #12 AIR  
P.O. Box 340308  
Hartford, CT 06134-0308
  2. United States Environmental Protection Agency (USEPA)  
Jordan Alves (alves.jordan@epa.gov)  
Region 1- New England (OEP05-2)  
5 Post Office Square, Suite 100  
Boston, MA 02109-3912
- B. The minimum information included in the notification to these agencies includes:
  1. Name and address of building Owner/Operator
  2. Building location

3. Building size, age, and use
4. Asbestos quantity
5. Work schedule, including proposed start and completion date
6. Asbestos removal procedures to be used
7. Name and location of disposal site for generated asbestos waste, residue, and debris
8. If landfill opens in Connecticut to accept ACM waste, Consultant will notify Connecticut Department of Energy and Environmental Protection CTDEEP prior to utilizing said landfill

#### 1.17 WORK SITE SAFETY PLAN

- A. The Contractor shall establish a set of emergency procedures and shall post them in a conspicuous place at the Site. The safety plan should include provisions for the following:
  1. Evacuation of injured workers.
  2. Emergency and fire exit routes from all work areas.
  3. Emergency first aid treatment.
  4. Local telephone numbers for emergency services including ambulance, fire, and police.
  5. A method to notify occupants of the building in the event of a fire or other emergency requiring evacuation of the building.
- B. The Contractor shall be responsible for properly training all workers in these procedures.

#### 1.18 INDEPENDENT AIR SAMPLING AND ASBESTOS ABATEMENT MONITORING

- A. This Section describes independent air sampling work being performed on behalf of the Owner. This work is not in the Contract Sum. This Section describes air monitoring conducted by the Consultant to verify that the outside environment remains uncontaminated. (Personal air monitoring required by OSHA is work shall be performed by the Contractor and is within the Contract Sum.)
- B. The purpose of the Consultant's air monitoring is to document engineering controls that are being utilized during asbestos abatement are functioning properly. Air monitoring will focus on possible:
  1. Contamination of the building outside of the work area by airborne asbestos fibers.
  2. Contamination of air outside the building envelope by airborne asbestos fibers.
- C. Should either of the above be determined to have occurred based on Consultant's air monitoring, the Contractor shall immediately cease all asbestos abatement activities until the fault is corrected. Do not resume work until authorized by the Owner's Consultant. To determine if the elevated total airborne fiber concentrations encountered during abatement operations have been reduced to an acceptable level below 0.010 f/cc, the Consultant will collect and analyze air samples in accordance with re-occupancy clearance air sampling requirements.
- D. The Consultant may monitor total airborne fiber concentrations in the Work Area. The purpose of this air monitoring will be to detect airborne fiber concentrations, which may challenge the ability of the work area isolation procedures to protect the balance of the building or the building exterior from possible contamination by airborne fibers.



- E. To determine if the elevated airborne fiber counts encountered during abatement operations have been reduced to an acceptable level, the Consultant will collect and analyze air samples in accordance with clearance air sampling requirements.
- F. The Consultant may perform on-site monitoring throughout the project, as follows:
  - 1. All work procedures shall be continuously monitored by the Consultant to assure that areas outside the designated work locations in the building will not be contaminated.
  - 2. Prior to work on any given day, the Contractor's designated "Competent Person" shall discuss the day's work schedule with the Consultant to evaluate job tasks with respect to safety procedures and requirements specified to prevent building contamination or the employees. This includes a work area visual inspection and the building decontamination or the employees. This includes a work area visual inspection and the decontamination systems.

#### 1.19 CONTRACTOR'S AIR SAMPLING RESPONSIBILITY

- A. The Contractor shall independently retain an air sampling professional to monitor total airborne fiber concentrations in the workers' breathing zone and to establish conditions and work procedures for maintaining compliance with OSHA Regulations Title 29 CFR, Parts 1910.1001 and 1926.1101.
- B. The Contractor's air sampling professional shall document all air sampling results and provide a report to the Consultant within 48 hours after sample collection.
- C. All air sampling shall be conducted in accordance with methods described in OSHA Standards Title 29 CFR, Parts 1910.1001 and 1926.1101.

#### 1.20 PROPER WORKER PROTECTION

- A. This Section describes the equipment and procedures required for protecting workers against asbestos contamination and other workplace hazards, except for respiratory protection.
- B. All workers are to be accredited as Abatement Workers as required by the EPA's AHERA regulation Title 40 CFR, Part 763 Appendix C to Subpart E, February 3, 1994.
- C. The Contractor must be licensed and accredited, as required by CTDPH, if removal work practices render the materials RACM.
- D. In accordance with OSHA Title 29 CFR, Part 1926, all workers shall receive a training course covering the dangers inherent in handling asbestos, the dangers of breathing asbestos dust, proper work procedures, and proper worker protective measures. This course must include, but is not limited to the following:
  - 1. Methods of recognizing asbestos
  - 2. Health effects associated with asbestos
  - 3. Relationship between smoking and asbestos in producing lung cancer
  - 4. Nature of operations that could result in exposure to asbestos
  - 5. Importance of and instruction in the use of necessary protective controls, practices, and procedures to minimize exposure including:
    - a. Engineering controls

- b. Work Practices
  - c. Respirators
  - d. Housekeeping procedures
  - e. Hygiene facilities
  - f. Protective clothing
  - g. Decontamination procedures
  - h. Emergency procedures
  - i. Waste disposal procedures
6. Purpose, proper use, fitting, instructions, and limitations of respirators as required by OSHA Title 29 CFR, Part 1910.134
  7. Appropriate work practices
  8. Requirements of medical surveillance program
  9. Review of OSHA Title 29 CFR, Part 1926
  10. Pressure Differential Systems
  11. Work practices including hands-on or on job training
  12. Personal decontamination procedures
  13. Air monitoring (personal and area)
- E. The Contractor shall provide medical examinations for all workers who may encounter a total airborne fiber concentration of 0.1 fibers/cc or greater for an 8-hour TWA. In the absence of specific airborne fiber data, provide medical examinations for all workers who will enter the work area for any reason. Examination shall, at a minimum, meet OSHA requirements as set forth in Title 29 CFR, Part 1926. In addition, provide an evaluation of the individual's ability to work in environments capable of producing heat stress in the worker.
- F. Submit the following to the Consultant for review. The Contractor shall not start work until these submittals are returned with Consultant action stamp indicating that they are accepted.
1. Submit copies of certificates from an EPA approved AHERA Abatement Worker course for each worker as evidence that each asbestos Abatement Worker is accredited as required by EPA AHERA Regulation Title 40 CFR, Part 763 Appendix C to Subpart E, February 3, 1994.
  2. Submit evidence that the Contractor is certified to perform asbestos abatement work by the State of CTDPH.
  3. Submit documents verifying that each worker has had a medical examination within the last 12 months, as part of compliance with OSHA medical surveillance requirements. Submit, at a minimum, for each worker the following:
    - a. Name and Social Security Number
    - b. Physician's Written Opinion including at a minimum the following:
      - 1) Whether worker has any detected medical conditions that would place the worker at an increased risk of material health impairment from exposure to asbestos.
      - 2) Any recommended limitations on the worker or on the use of personal protective equipment such as respirators.
      - 3) Statement that the worker has been informed by the physician of the results of the medical examination and of any medical conditions that may result from asbestos exposure.
  4. Copy of information that was provided to physician in compliance with OSHA Title 29 CFR, Part 1926.

5. Statement that worker is able to wear and use the type of respiratory protection proposed for the project and is able to work safely in an environment capable of producing heat stress in the worker.
  6. Submit copies of certificates for the site supervisor and the workers issued by CTDPH.
- G. Submit certification signed by an officer of the abatement-contracting firm and notarized that personal exposure measurements, medical surveillance, and worker training records are in conformance with OSHA Title 29 CFR, Part 1926.
- H. The Contractor shall maintain control of and shall be responsible for access to all work areas to ensure the following requirements:
1. Non-essential personnel are prohibited from entering the area.
  2. All authorized personnel entering the work area shall read the “Worker Protection Procedures” which are posted at the entry points to the system and shall be equipped with properly fitted respirators and protective clothing.
  3. All personnel who are exiting from the decontamination system shall be properly and thoroughly decontaminated.
  4. Asbestos waste that is removed from the work area must be properly containerized and labeled in accordance with these specifications. The exterior surface of the containers shall be decontaminated. Asbestos waste must be immediately transported off site or immediately placed in locked, posted temporary storage located on site, and removed within 24 hours of project completion.
  5. Any material, equipment, or supplies that are removed from the decontamination system shall be thoroughly cleaned and decontaminated by wet cleaning and/or HEPA vacuuming of all surfaces.

## **PART 2 - PRODUCTS**

### **2.1 MATERIALS**

- A. Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name and product technical description.
- B. Damaged or deteriorating materials shall not be used and shall be removed from the Site. Material that becomes contaminated with asbestos shall be decontaminated or disposed as asbestos waste.
- C. Polyethylene (poly) sheeting in a roll size to minimize the frequency of joints shall be delivered to the Site with a factory label indicating 4 or 6-mil thickness.
- D. Poly disposable bags shall be 6-mil thickness with pertinent pre-printed label. Tie wraps for bags shall be plastic, five inches long (minimum), pointed and looped to secure filled plastic bags.
- E. Tape or spray-adhesive will be capable of sealing joints in adjacent poly sheets, and for attachment of poly to dissimilar finished or unfinished surfaces and capable of adhering under both dry and wet conditions, including amended water.

- F. Surfactant (wetting agent) shall consist of 50 percent polyoxyethylene ether and 50 percent polyoxyethylene ester, or equivalent, and shall be mixed with water to provide a concentration of one ounce surfactant to five gallons of water or as directed by manufacturer.
- G. Removal encapsulant shall be non-flammable factory prepared penetrating chemical encapsulant deemed acceptable to Consultant. Usage shall be in accordance with manufacturer's printed technical data.
- H. The Contractor shall have available spray equipment capable of mixing wetting agent with water and capable of generating sufficient pressure and volume and having sufficient hose length to reach all areas with asbestos.
- I. Impermeable containers are to be used to receive and retain asbestos-containing or contaminated materials until disposal at an acceptable disposal site. The containers shall be labeled in accordance with OSHA Title 29 CFR, Part 1926.1101. Containers must be both air and watertight.
- J. OSHA required asbestos labels, warning signs, and/or warning tape shall be used.
- K. Encapsulant shall be bridging or penetrating type that has been deemed acceptable to the Consultant. Usage shall be in accordance with manufacturer's printed technical data.

## 2.2 TOOLS AND EQUIPMENT

- A. The Contractor shall provide all tools and equipment necessary for asbestos removal, encapsulation, and enclosure.
- B. The Contractor's air monitoring professional shall have air monitoring equipment of type and quantity to monitor operations and conduct personnel exposure surveillance per OSHA requirements.
- C. The Contractor shall have available sufficient inventory or dated purchase orders for materials necessary for the Work including protective clothing, respirators, filter cartridges, poly sheeting of proper size and thickness, tape, and air filters.
- D. The Contractor shall provide (as needed) temporary electrical power panels, electrical power cables, and electrical power sources (such as generators). Any electrical connection work affecting the building electrical power system shall be performed by a State of Connecticut-licensed electrician.
- E. The Contractor shall have available shower stalls and plumbing to support same to include sufficient hose length and drain system, or an acceptable alternate.
- F. Vacuum units, of suitable size and capacities for the project, shall have HEPA filter(s) capable of trapping and retaining at least 99.97 percent of all monodispersed particles of 0.3 micrometers in diameter or larger.

### **PART 3 - EXECUTION**

#### **3.1 PRE-CONSTRUCTION MEETING**

- A. At least one week prior to the start of work a Pre-Construction Meeting will be scheduled and must be attended by the Contractor and any Sub Contractors. The assigned Contractor Site Supervisor must also attend this meeting.
- B. The Contractor shall present a detailed project schedule and project submittal package at the Pre-Construction Meeting. Variations, amendments, and corrections to the presented schedule will be discussed, and the Owner and Consultant will inform the Contractor of any scheduling adjustments for this project.
- C. Following the Pre-Construction Meeting, the Contractor shall submit a revised schedule (if needed) no later than one week after the meeting.

#### **3.2 WORK AREA PREPARATION**

- A. Where necessary deactivate electrical power. Provide GFCI devices, temporary power, and temporary lighting installed in compliance with the applicable electrical codes. All installations are to be made by a State of Connecticut-licensed electrician.
- B. Deactivate and/or isolate heating, ventilation, and air conditioning (HVAC) air systems or zones to prevent contamination and fiber dispersal within the structure. During the work, rooftop vents around the work area shall be completely sealed with duct tape and two layers of 6-mil thick poly.
- C. Completely seal all openings, including, but not limited to, roof level HVAC air intake sources, windows adjacent to removal (within ten feet) skylights, ducts, grills, diffusers, and any other penetration of the work areas, with poly a minimum of 6-mil thick, sealed with duct tape.

#### **3.3 DECONTAMINATION SYSTEM**

- A. The Contractor shall establish on-site, a remote decontamination enclosure consisting of equipment room, shower room, and clean room in series.
- B. Access between rooms in the decontamination system shall be through double flap-curtained openings. The clean room, shower, and equipment rooms within the decontamination enclosure shall be completely sealed.
- C. Construct the decontamination system with plastic, wood, or metal framing and cover both sides with a double layer of 6-mil poly, sealed with spray glue or tape at the joints.
- D. The Contractor and the Consultant shall visually inspect barriers routinely to assure effective seal, and the Contractor shall repair defects immediately.

#### **3.4 ASBESTOS REMOVAL PROCEDURE - GENERAL**

- A. Following a federal court of appeals decision, OSHA has issued a final rule on June 29, 1998, removing regulation of asbestos-containing asphalt roof cements, mastics and coatings from the OSHA standards for occupational exposure to asbestos in construction and shipyard work.

However, friable materials (felts, papers, etc.) are still regulated by OSHA, federal (no visible emissions), and state entities.

- B. Exterior non-friable materials which are not RACM as defined by the EPA and CTDPH are not required to be removed by a CTDPH-licensed Asbestos Abatement Contractor in the State of Connecticut. This applies as long as the proposed methods of removal will not render the Category I non-friable roofing materials RACM during proposed roof removal operations.**
- C. Supervisors and workers are not required to be certified in the State of Connecticut unless the Category I non-friable roofing materials become RACM. Workers must be properly trained in compliance with OSHA regulations.**
- D. The Contractor shall have a designated "competent person" on the job at all times to ensure proper work practices throughout the project. All workers should have at minimum 2 hours asbestos awareness training.**
- E. The Contractor shall regulate the work area as required for compliance with OSHA regulation Title 29 CFR, Part 1926.1101 to prohibit non-trained workers from entering areas where ACM are to be removed.
- F. The Contractor shall establish worker decontamination unit remote from the work area.
- G. The Contractor shall spray ACM with amended water using airless spray equipment or apply approved removal wetting agent to ensure no visible emissions during removal of Category I non-friable roofing materials.
- H. The adequately wet asbestos must be removed in manageable sections. Material drop shall not exceed eight feet. For heights up to 15 feet above ground surface, provide inclined chutes, or scaffolding to intercept drop. For heights exceeding 15 feet, the Contractor shall provide an enclosed dust-proof chute.
- I. After completion of stripping work, all surfaces from which ACM has been removed shall be wet cleaned or cleaned by an equivalent method to remove all visible suspect ACM (wire brushes are prohibited). During this work, the surfaces being cleaned shall be kept adequately wet, without causing a safety hazard.
- J. Remove and containerize all visible accumulations of asbestos-containing and/or asbestos-contaminated debris. Waste shall be containerized in labeled and signed 6-mil poly disposable bags. Tie wraps for bags shall be plastic, 5-inches long (minimum), pointed and looped to secure filled plastic bags.
- K. At any time during asbestos roof removal should the Consultant suspect contamination of areas outside the work area(s), they shall issue a stop work order until the Contractor takes required steps to decontaminate these areas, and to eliminate the causes of such contamination. Unprotected individuals shall be prohibited from entering suspected contaminated areas until air sampling and visual inspections indicate acceptable decontamination.
- L. The Consultant shall conduct a final visual inspection of the work area. If residual suspect ACM debris is identified during the course of the final inspection, the Contractor shall comply with the Consultant's request to render the area clean of all residual ACM.

### 3.5 CONSULTANT'S RESPONSIBILITIES

- A. Air sampling shall be conducted by the Consultant to ascertain the integrity of engineering controls that protect the building from possible asbestos contamination. Independently, the Contractor shall monitor air quality within the work area to ascertain the protection of employees, and to comply with OSHA regulations.
- B. The Consultant's air sampling professional shall collect and analyze air samples during the following time period:
  - 1. Abatement Period. If required, the Consultant's project monitor shall collect air samples on a daily basis during the work period. A sufficient number of area air samples shall be collected upwind and downwind of the work area, waste debris chute (if applicable) and outside of the building to evaluate the degree of cleanliness or contamination of the building during removal. Additional air samples may be collected inside the work zone and decontamination system, at the discretion of the project monitor.
- C. The Consultant's project monitor shall provide continual evaluation of the air quality outside the building during removal, using their best professional judgment in respect to the CTDPH guideline of 0.010 f/cc, and the background air quality established during the pre-abatement period.
- D. If the project monitor determines that the air quality has become contaminated from the project, they shall immediately inform the Contractor to cease all removal operations and implement a work stoppage clean up procedure. The Contractor shall conduct a thorough cleanup of the building areas designated by the Consultant. No further removal work may occur until the project monitor has assessed that the building air has been decontaminated.
- E. Abatement air samples shall be collected as required to obtain a volume of 1,200 liters of air. Air samples shall be analyzed by PCM NIOSH Method 7400 sampling protocol.

### 3.6 CONSULTANT'S INSPECTION RESPONSIBILITIES

- A. Consultant shall conduct inspections throughout the progress of the abatement project. Inspections shall be conducted to document the progress of the abatement work, as well as the procedures and practices employed by the Contractor.
- B. The Consultant shall perform the following inspections during abatement activities:
  - 1. Pre-commencement Inspection. Pre-commencement inspections shall be performed at the time requested by the Contractor. The Consultant shall be informed of a minimum of 12 hours prior to the time the inspection is required. If deficiencies are identified during the pre-commencement inspection, the Contractor shall perform the necessary adjustments to obtain compliance.
  - 2. Work Area Inspection. Work area inspections shall be conducted on a daily basis at the discretion of the Consultant. During the work inspections, the Consultant shall observe the Contractor's removal methods and procedures, verify barrier integrity, monitor negative air filtration devices, assess project progress, and inform the Contractor of specific remedial activities if deficiencies are noted.
  - 3. Final Visual Inspection. Upon request of the Contractor, the Consultant shall conduct a final work area visual inspection. If residual dust or debris is identified during the final

inspection, the Contractor shall comply with the request of the Consultant to render the area “dust free.”

### 3.7 DISPOSAL OF ASBESTOS

- A. Disposal of ACM or asbestos-contaminated material must be in compliance with requirements of and authorized by the EPA, CTDEEP, and CTDPH.
- B. Disposal approvals shall be obtained before commencing asbestos abatement.
- C. A copy of approved disposal authorization shall be provided to the Owner and Consultant, and any required federal, state, or local agencies.
- D. Copies of all fully executed Waste Shipment Records (WSR) will be retained by the Consultant as part of the project file. The Contractor shall document the specific amount of waste on each WSR, portion/location of the Site building it was generated from, and the type of waste. Upon receipt of the ACM waste, the landfill operator will sign the WSR, and the quantity of asbestos debris leaving the Site, and arriving at the landfill is documented for the Owner.
- E. All asbestos debris shall be transported in covered, sealed vans, boxes, or dumpsters, which are physically isolated from the driver by an airtight barrier. All vehicles must be properly licensed to meet DOT requirements.
- F. Any vehicles used to store or transport ACM will either be removed from the property at night or shall be securely locked and posted to prevent disturbance.
- G. Any incident and/or accident that may result in spilling, exposure, or environmental release of asbestos waste outside the work area, on and off the property, and all related issues shall be the sole responsibility of the Contractor.

END OF SECTION 02 82 14



**SECTION 02 84 16 - HANDLING OF LIGHTING BALLASTS AND LAMPS CONTAINING  
PCBs AND MERCURY**

**PART 1 - GENERAL**

1.1 RELATED DOCUMENTS

- A. General Provisions of Contract, including General Supplementary Conditions, shall apply to this Section.
- B. Fuss & O'Neill, Inc. (Fuss & O'Neill) Limited Hazardous Building Materials Inspection Report dated October 2023 (Attachment A).
- C. Unit Prices Section 01 22 00.
- D. Asbestos Abatement Section 02 82 13.
- E. Asbestos Roofing Abatement Section 02 82 14.
- F. Lead Paint Awareness Section 02 83 19.
- G. < 50 PPM Polychlorinated Biphenyl Abatement Section 02 84 33.
- H. PCB Bulk Product Abatement Section 02 84 34.

1.2 SUMMARY OF WORK

- A. The abatement scope of work is work necessary to facilitate existing lighting fixtures specified to be demolished as part of the demolition and abatement work at 818-850 Silver Lane, East Hartford, Connecticut (the "Site").
- B. Fluorescent Light Ballasts: Work of this Section includes, but is not necessarily limited to, all that is necessary for complete removal and disposal of polychlorinated biphenyl (PCB) or Non-PCB diethylhexyl phthalate (DEHP)-containing ballasts listed in Table 1. Work shall be performed related to demolition work necessary to facilitate building demolition. Ballasts that are to be removed shall be recycled/disposed as non-PCB containing if they have "No PCBs" labels.
- C. Fluorescent Lamps and Mercury Equipment: Work of this Section includes, but is not necessarily limited to, all that is necessary for complete removal and disposal/recycling/reclamation of presumed mercury-containing fluorescent lamps and mercury equipment, which includes thermostats, switches and devices that exist in the buildings to be demolished. Fluorescent lamps that are to be removed shall be recycled/disposed as universal wastes as listed in the Table below.
- D. The demolition scope of work is specified elsewhere in these Contract Documents. The Contractor shall coordinate this Section with other Sections for the actual quantities of the work required. Only those ballasts on light fixtures proposed for demolition require removal.

- E. The Contractor shall be responsible for verification of actual quantities of the abovementioned items requiring removal and disposal. This verification shall include an on-site walk-through of the work areas and visually inspecting ballasts for the presence of labels indicating “No PCBs”. Ballasts without a label indicating “No PCBs” shall be disposed/recycled as presumed PCB-containing.

**PCB/DEHP-Containing Light Ballasts Inventory**

Type	Estimated Quantity
PCB*	0
DEHP	0
<b>Total</b>	<b>0</b>

\*All Ballasts Are Labeled No PCBs

**Mercury-Containing Equipment Inventory**

Type	Estimated Quantity
1' Light Tube	0
2' Light Tube	0
4' Light Tube	827
8' Light Tube	1824
High Intensity Discharge (HID) Light	12
Compact Fluorescent Lamp (CFL)	16

1.3 REGULATIONS AND STANDARDS

- A. The following regulations and standards of federal and state agencies apply to the disposal of ballasts and are made part of this Specification by reference.
1. Toxic Substance Control Act (TSCA) (Title 40 CFR, Part 761).
  2. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (Superfund Law).
  3. Department of Transportation (DOT) Regulations - DOT regulation HM-181 regulates transportation of hazardous materials, including PCBs.
  4. Occupational Safety and Health Administration (OSHA). OSHA regulates workers' safety and exposure to a variety of chemicals including PCBs.
  5. Resource Conservation and Recovery Act (RCRA). RCRA regulates wastes which fail Toxicity Characteristic Leaching Procedure (TCLP) and which contain PCBs at concentrations greater than 50 parts per million.
- B. The following regulations and standards of federal and state agencies apply to the disposal of universal waste (fluorescent lamps), and mercury-containing equipment are made part of this Specification by reference.
1. EPA RCRA Regulations Title 40 CFR, Part 261, Subpart C.
  2. EPA RCRA - 40 CFR Part 273.
  3. CERCLA (Superfund Law).
  4. DOT Regulations - Pipeline and Hazardous Materials Safety Administration regulation DOT Title 49 CFR, Parts 100-185, as applicable.
  5. OSHA Regulations Title 29 CFR, Parts 1910.1200 Hazard Communications and 1926.65.

#### 1.4 PRE-CONSTRUCTION SUBMITTALS

- A. The Contractor shall submit to the Consultant the following submittals prior to start of the Work:
  - 1. Proposed transporter for PCB and non-PCB wastes generated as part of the project, including licenses as required, and insurance certificate.
  - 2. Proposed disposal/recycling facility proposed for PCB and non-PCB waste generated as part of the project, operating permit, and insurance certificate.
  - 3. Proposed transporter for mercury-containing universal wastes generated as part of the project, including licenses as required.
  - 4. Proposed disposal/recycling/reclamation facility proposed for mercury-containing waste generated as part of this project, operating permit, and insurance certificate.

### **PART 2 - PRODUCTS**

#### 2.1 MATERIALS AND EQUIPMENT

- A. Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name and product technical description.
- B. Disposal drums shall be DOT approved.
- C. Light tubes and lamp boxes shall be provided by the reclamation facility. Only new boxes shall be used.

### **PART 3 - EXECUTION**

#### 3.1 BALLAST REMOVAL AND PACKAGING

- A. The Contractor shall remove all ballasts from light fixtures with care.
- B. The Contractor shall pack all ballasts in appropriately sized containers or drums with care, so as not to cause ballasts to leak as a direct result of removal and packing.
- C. The Contractor shall segregate all leaking ballasts from non-leaking ballasts, separately package leaking ballasts in plastic bags, and individually drum.
- D. The Contractor shall label all drums properly. The Contractor shall supply labels. Labels shall contain the following information:
  - 1. Drum contents
  - 2. DOT description
  - 3. Name, address, and telephone number of the Owner (i.e., the Generator)
  - 4. Emergency telephone numbers
  - 5. Date on which drum was filled with ballasts
  - 6. Class 9 label
- E. The Contractor shall ensure that no other material or waste is contained in the drums except the ballasts from fluorescent light fixtures.

- F. The Contractor shall not load drum with more than 750 pounds of gross weight.
- G. The Contractor shall not use any absorbent material to pack ballasts in drums.
- H. The Contractor shall not use any plastic liners in drums.
- I. Each drum shall be sealed and stored in a secure area to minimize inadvertent damage or vandalism.
- J. The ballasts will be removed by personnel wearing chemically resistant gloves, eye protection, and proper respiratory protection.

### 3.2 BALLAST DISPOSAL

- A. At the completion of the removal phase of the project, a transporter licensed to haul either PCB or non-PCB waste shall be contracted for disposal of the waste generated by the project work. Chain of custody records shall be maintained which include the date of pickup, number of drums, name of the transporter, and destination of waste for disposal. The Contractor shall be responsible for all disposal costs associated with the waste generated during this project.
- B. The Contractor shall provide a Certificate of Recycling and Disposal (CRD) pursuant to EPA Title 40 CFR, Part 761, Subpart K.
- C. The Contractor shall provide waste shipment records and disposal manifests for all PCB and non-PCB wastes generated and disposed of from the project site. The Owner shall be provided with sufficient time to identify agent for signatures on waste documentation. Contractor shall provide waste manifest to generation and destination state as required and provide Owner (Generator copy to agent signing manifests).

### 3.3 COLLECTION AND CONTAINMENT OF MERCURY LAMPS AND DEVICES

- A. All fluorescent lamps and devices to be removed are to be considered mercury-containing. Lamps are to be handled by personnel wearing gloves and eye protection for protection against glass breakage, and proper respiratory protection. Lamps are to be stored unbroken in DOT approved waste containers that protect the lamps against breakage.

### 3.4 STORAGE AND DISPOSAL/RECYCLING OF MERCURY LAMPS AND DEVICES

- A. Each container shall be sealed and stored in a secure area to minimize inadvertent damage or vandalism. Each lamp or a container or package in which such lamps are contained must be labeled or marked clearly with one of the following phrases: "Universal Waste -- Lamp(s)," or "Waste Lamp(s)," or "Used Lamp(s)".
- B. At the completion of the mercury removal phase of the project, a transporter licensed to haul mercury-containing waste shall be contracted for disposal/recycling of the mercury waste. Chain-of-custody records shall be maintained which include the date of pickup, number of containers, name of mercury transporter, and destination of mercury waste disposal. The Contractor shall be responsible for all disposal/recycling costs associated with the mercury waste generated during this project.

- C. The Owner shall be provided a minimum of 72 hours' notice of requirement for signature to identify agent for signatures on waste documentation. Contractor shall provide waste manifest to generation and destination state as required and provide Owner (Generator copy to agent signing manifests) and Consultant.

END OF SECTION 02 84 16



## SECTION 02 83 19 – LEAD PAINT AWARENESS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. General Provisions of Contract, including General Supplementary Conditions shall apply to this Section.
- B. Fuss & O’Neill, Inc. (Fuss & O’Neill) Limited Hazardous Building Materials Inspection Report dated October 31, 2023 (Attachment A).
- C. Unit Prices Section 01 22 00.
- D. Asbestos Abatement Section 02 82 13.
- E. Asbestos Roofing Abatement Section 02 82 14.
- F. Handling of Lighting Ballasts and Lamps containing PCBs and Mercury Section 02 84 16.
- G. < 50 PPM Polychlorinated Biphenyl Abatement Section 02 84 33.
- H. PCB Bulk Product Abatement Section 02 84 34.

#### 1.2 SUMMARY OF WORK

- A. Work of this Section includes requirements for worker protection and waste disposal related to demolition work involving lead-based paint (LBP)-coated building components and surfaces (the “Work” at 818-850 Silver Lane, East Hartford, Connecticut (the “Site”).
- B. The procedures referenced herein shall be utilized during required work specified elsewhere that will impact building components coated with LBP. The following painted components were determined to be coated with LBP by lead determination utilizing X-Ray Fluorescence (XRF):
  - Painted or coated exterior/interior brick – Building 2
  - Painted Brick and metal columns
  - Painted Metal Door
- C. The demolition work impacting LBP and lead-containing paint may result in dust and debris exposing workers to levels of lead above the Occupational Safety and Health Administration’s (OSHA) Action Level. Worker protection, training, and engineering controls referenced herein shall be strictly followed, until completion of exposure assessment with results indicating exposures below the “Action Level”. **This Section does not involve lead abatement but identified worker protection requirements for trades involved in the demolition and disposal procedures if lead is involved in the demolition waste stream.**
- D. Construction activities disturbing surfaces with LBP and lead-containing paint that are likely to be employed, such as demolition, sanding, grinding, welding, cutting, and burning, have been

known to expose workers to levels of lead in excess of the OSHA Permissible Exposure Limit (PEL). All work specified in the technical sections of the Contract Documents shall also be in conformance with this Technical Specification Section 02 83 19 for Lead Paint Awareness.

### 1.3 DEFINITIONS

#### A. The following definitions relative to LBP shall apply:

1. Action Level (AL) - The allowable employee exposure, without regard to use of respiratory protection, to an airborne concentration of lead over an eight-hour time-weighted average (TWA) as defined by OSHA. The current action level is thirty micrograms per cubic meter ( $30 \mu\text{g}/\text{m}^3$ ) of air.
2. Area Monitoring - The sampling of lead concentrations, which is representative of the airborne lead concentrations that may reach the breathing zone of personnel potentially exposed to lead.
3. Biological Monitoring - The analysis of a person's blood and/or urine, to determine the level of lead concentration in the body.
4. CDC - The Center for Disease Control.
5. Change Room - An area provided with separate facilities for clean protective work clothing and equipment and for street clothes, which prevents cross-contamination.
6. Component Person - A person employed by the Contractor who is capable of identifying existing and predictable lead hazards in the surroundings or working conditions, and who has authorization to take prompt corrective measures to eliminate them as defined by OSHA.
7. Consultant - Fuss & O'Neill, Inc.
8. USEPA - United States Environmental Protection Agency.
9. Exposure Assessment - An assessment conducted by an employer to determine if any employee may be exposed to lead at or above the action level.
10. High Efficiency Particulate Air (HEPA) - A type of filtering system capable of filtering out particles of 0.3 microns diameter from a body of air at 99.97% efficiency or greater.
11. HUD - United States Housing and Urban Development.
12. Lead - Refers to metallic lead, inorganic lead compounds, and organic lead soaps. Excluded from this definition are other organic lead compounds.
13. Lead Work Area - An area enclosed in a manner to prevent the spread of lead dust, paint chips, or debris resulting from lead containing paint disturbance.
14. Lead Paint - Refers to paints, glazes, and other surface coverings containing a toxic level of lead.
15. MSHA - Mine Safety and Health Administration.
16. NARI - National Association of The Remodeling Industry.
17. NIOSH - National Institute of Occupational Safety and Health.
18. OSHA - Occupational Safety and Health Administration.
19. Owner - Town of East Hartford, Connecticut: An employee or executive who has the principle responsibility for a process, program, or project.
20. Permissible Exposure Limit (PEL) - The maximum allowable limit of exposure to an airborne concentration of lead over an eight (8)-hour TWA, as defined by OSHA. The current PEL is fifty micrograms per cubic meter of air ( $50 \mu\text{g}/\text{m}^3$ ). Extended workdays lower the PEL by the formula: PEL equals 400 divided by the number of hours of work.
21. Personal Monitoring - Sampling of lead concentrations within the breathing zone of an employee to determine the 8-hour time weighted average concentration in accordance with OSHA Title 29 CFR, Parts 1910.1025 and 1926.62. Samples shall be representative



- of the employee's work tasks. Breathing zone shall be considered an area within a sphere with a radius of 18-inches and centered at the nose or mouth of an employee.
22. Resource Conservation and Recovery Act (RCRA) - RCRA establishes regulatory levels of hazardous chemicals. There are eight (8) heavy metals of concern for disposal: arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. Six (6) of the metals are typically in paints, excluding selenium and silver.
  23. SDS - Safety Data Sheets.
  24. TWA - Time Weighted Average.
  25. Toxic Level of Lead - A level of lead, when present in dried paint or plaster, contains equal to or more than 0.50% lead by dry weight as measured by atomic absorption spectrophotometry (AAS) or 1.0 milligram per square centimeter (mg/cm<sup>2</sup>) as measured by on site testing utilizing an x ray fluorescence analyzer. (Term is specific to State of CT regulations and HUD guidelines only.)
  26. Toxicity Characteristic Leaching Procedure (TCLP) - The United States Environmental Protection Agency (EPA) required sample preparation and analysis for determining the hazard characteristics of a waste material.

#### 1.4 REGULATIONS AND STANDARDS

- A. The following regulations, standards, and ordinances of federal, state, and local agencies are applicable and made a part of this specification by reference:
  1. American National Standards Institute (ANSI)
    - a. ANSI 288.2 - 1980 Respiratory Protection
  2. Code of Federal Regulation (CFR)
    - a. Title 29 CFR, Part 1910.134 - Respiratory Protection
    - b. Title 29 CFR, Part 1910.1025 - Lead
    - c. Title 29 CFR, Part 1910.1200 - Hazard Communication
    - d. Title 29 CFR, Part 1926.55 - Gases, Vapors, Fumes, Dusts, and Mists
    - e. Title 29 CFR, Part 1926.57 - Ventilation
    - f. Title 29 CFR, Part 1926.59 - Hazard Communication in Construction
    - g. Title 29 CFR, Part 1926.62 - Lead in Construction Interim Final Rule
    - h. Title 40 CFR, Parts 124 and 270 - Hazardous Waste Permits
    - i. Title 49 CFR, Part 172 - Hazardous Materials Tables and Communication Regulations
    - j. Title 49 CFR, Part 178 - Shipping Container Specifications
    - k. Title 40 CFR, Part 260 - Hazardous Waste Management Systems: General
    - l. Title 40 CFR, Part 261 - Identification and Listing of Hazardous Waste
    - m. Title 40 CFR, Part 262 - Generators of Hazardous Waste
    - n. Title 40 CFR, Part 263 - Transporters of Hazardous Waste
    - o. Title 40 CFR, Part 264 - Owner and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
    - p. Title 40 CFR, Part 265 - Interim Statutes for Owner and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
    - q. Title 40 CFR, Part 268 - Lead Disposal Restrictions
    - r. Title 49 CFR, Parts 170 - 180
  3. Underwriters Laboratories, Inc. (UL)
    - a. UL586 - 1990 High Efficiency Particulate Air Filter Units

## 1.5 QUALITY ASSURANCE

### A. Hazard Communication Program

1. The Contractor shall establish and implement a Hazard Communication Program as required by OSHA Title 29 CFR, Part 1926.59.

### B. Compliance Plan (Site Specific)

1. The Contractor shall establish a written compliance plan, which is specific to the project site, to include the following:
  - a. A description of work activity involving lead including equipment used, included material, controls in place, crew size, employee job responsibilities, operating procedures, and maintenance practices.
  - b. Methods of engineering controls to be used to control lead exposure.
  - c. The proposed technology the Contractor will implement in meeting the PEL.
  - d. Air monitoring data documenting the source of lead emissions.
  - e. A detailed schedule for implementing the program, including documentation of appropriate supply of equipment, etc.
  - f. Proposed work practice which establishes proper protective work clothing, housekeeping methods, hygiene facilities, and practices.
  - g. Worker rotation schedule, if proposed, to reduce TWA.
  - h. A description of methods for informing workers of potential lead exposure.

### C. Hazardous Waste Management

1. The Contractor shall establish a Hazardous Waste Management Plan, which shall comply with applicable regulations and address the following:
  - a. Identification of hazardous wastes
  - b. Estimated quantity of waste to be disposed
  - c. Names and qualifications of each subcontractor who will be transporting, storing, treating, and disposing of wastes
  - d. Disposal facility location and 24-hour point of contact
  - e. Establish EPA state hazardous waste and identification numbers if applicable
  - f. Names and qualifications (experience and training) of personnel who will be working on site with hazardous wastes.
  - g. List of waste handling equipment to be used in performing the work to include cleaning, volume reduction, if applicable, and transport equipment
  - h. Qualifications of laboratory to be utilized for TCLP sampling and analysis
  - i. Spill prevention, containment, and countermeasure plan (SPCC)
  - j. Work plan and schedule for waste containment, removal, treatment, and disposal

### D. Medical Examinations

1. Before exposure to lead-contaminated dust, provide workers with a comprehensive medical examination as required by OSHA Title 29 CFR, Parts 1910.1025 and 1926.62.
2. The examination shall not be required if adequate records show that employees have been examined as required by OSHA Title 29 CFR, Part 1926.62 within the last year.
3. Medical examination shall include, at a minimum, approval to wear respiratory protection and biological monitoring.

E. Training

1. The Contractor shall ensure that workers are trained to perform lead paint disturbing activities and disposal operations prior to the start of work, in accordance with OSHA Title 29 CFR, Part 1926.62.

F. Respiratory Protection Program

1. The Contractor shall furnish each employee required to wear a negative pressure respirator with a respirator fit test at the time of initial fitting and at least once every six months thereafter, as required by OSHA Title 29 CFR, Part 1926.62.
2. The Contractor shall establish a Respiratory Protection Program in accordance with ANSI Z88.2, OSHA Title 29 CFR, Parts 1910.134 and 1926.62.

1.6 SUBMITTALS

A. The Contractor shall submit the following to the Consultant in one complete package prior to the pre-construction meeting and at least 10 business days before the start of the Work:

1. Submit a schedule to the Owner and the Consultant, which defines a timetable for executing and completing the project, including work area preparations, removal, cleanup, and decontamination.
2. Submit a current valid certificate of insurance.
3. Submit the name and address of the hauling contractor and location of the landfill to be used. Also submit current valid operating permits and certificates of insurance for the transporter and landfill.
4. Submit the plans and construction details for the construction of the decontamination systems and the isolation of the work areas as may be necessary for compliance with this specification and applicable regulations.
5. Submit copies of medical records for each employee to be used on the project, including results of biological monitoring and a notarized statement by the examining physician that such an examination occurred.
6. Submit workers' valid training certificates.
7. Submit record of successful respirator fit testing performed by a qualified individual within the previous six months, for each employee to be used on this project with the employee's name and social security number with each record.
8. Submit the name and address of Contractor's blood lead testing lab, OSHA Center for Disease Control (CDC) listing, and certification in the State of Connecticut.
9. Submit detailed product information on all materials and equipment proposed for demolition work on this project.
10. Submit pertinent information regarding the qualifications of the Project Supervisor (competent person) for this project, as well as a list of past projects completed.
11. Submit a chain-of-command for the project.
12. Submit a site-specific Emergency Action Plan for the project.
13. Submit a written site-specific written Respiratory Protection Program for employees for the Work, including make, model and NIOSH approval numbers of respirators to be used at the Site (if applicable).
14. No work on the Site will be allowed to begin until the Owner and the Consultant as listed herein accept the Pre-Construction Submittals. Any delay caused by the Contractor's refusal or inability to submit this documentation accurately, completely, and in a timely manner does not constitute a cause for change order or a time extension.

- B. The following shall be submitted to the Consultant during the Work:
  - 1. Results of personal air sampling
  - 2. Training and medical records for new employees to start Site work (24-hours in advance)
- C. The following shall be submitted to the Consultant at the completion of the Work:
  - 1. Copies of all air sampling results.
  - 2. Contractor logs.
  - 3. Copies of manifests and receipts acknowledging disposal of all waste material from the project showing delivery date, quantity, and appropriate signature of landfill's authorized representative.

## 1.7 PERSONAL PROTECTION

- A. Exposure Assessment
  - 1. The Contractor shall determine if any worker will be exposed to lead at or above the action level.
  - 2. The exposure assessment shall identify the level of exposure a worker would be subjected to without respiratory protection.
  - 3. The exposure assessment shall be achieved by obtaining personal air monitoring samples representative of a full shift at least (8-hour TWA).
  - 4. During the period of the exposure assessment, the Contractor shall institute the following procedures for protection of workers:
    - a. Protective clothing shall be utilized
    - b. Respiratory protection
    - c. Change areas shall be provided
    - d. Hand washing facilities and shower
    - e. Biological monitoring
    - f. Training of workers
- B. Respiratory Protection
  - 1. The Contractor shall furnish appropriate respirators approved by the National Institute of Occupational Safety and Health (NIOSH)/Mine Safety and Health Administration (MSHA) for use in atmospheres containing lead dust.
  - 2. Respirators shall comply with the requirements of OSHA Title 29 CFR, Part 1926.62.
  - 3. Workers shall be instructed in all aspects of respiratory protection.
  - 4. The Contractor shall have an adequate supply of HEPA filter elements and spare parts on-site for all types of respirators in use.
  - 5. The following minimum respirator protection for use during paint removal or demolition of components and surfaces with lead paint shall be the half-face air purifying respirator with a minimum of dual P100 filter cartridges for exposures (not in excess of 500  $\mu\text{g}/\text{m}^3$  or 10 x PEL).
- C. Protective Clothing
  - 1. Personal protective clothing shall be provided for all workers, supervisors, and authorized visitors entering the work area.

2. Each worker shall be provided daily with a minimum of two complete disposable coverall suits.
3. Removal workers shall not be limited to two (2) coveralls, and the Contractor shall supply additional coveralls as necessary.
4. Under no circumstances shall anyone entering the abatement area be allowed to re-use a contaminated disposable suit.
5. Disposable suits (TYVEK™ or equivalent), and other personal protective equipment (PPE) shall be donned prior to entering a lead control area. A change room shall be provided for workers to don suits and other PPE with separate areas to store street clothes and personal belongings.
6. Eye protection for personnel engaged in lead operations shall be furnished when the use of a full-face respirator is not required.
7. Goggles with side shields shall be worn when working with power tools or a material that may splash or fragment, or if protective eye wear is specified on the SDS for a particular product to be used on the project.

## 1.8 PERSONAL MONITORING

### A. General.

1. The Contractor shall be required to perform the personal air sampling activities during lead paint disturbing work. The results of such air sampling shall be posted, provided to individual workers, and submitted to the Owner/Consultant as described herein.

### B. Air Sampling.

1. Air samples shall be collected for the duration of the work shift or for 8-hours, whichever is less. Personal air samples need not be collected every day after the first day, if working conditions remain unchanged, but must be collected each time there is a change in removal operations, either in terms of the location or in the type of work. Sampling will be used to determine 8-hour TWA. The Contractor shall be responsible for personal air sampling as outlined in OSHA Title 29 CFR, Parts 1910.1025 & 1926.62.
2. Air sampling results shall be reported to individual workers in written form no more than 48-hours after the completion of a sampling cycle. The reporting document shall list each sample's result, sampling time and date, personnel monitored, flow rate, sample duration, sample yield, cassette size, and analysts' name and company, and shall include an interpretation of the results. Air sample analysis results will be reported in  $\mu\text{g}/\text{m}^3$ .

### C. Testing Laboratory.

1. The Contractor's testing lab shall be currently participating in the American Industrial Hygiene Association's (AIHA) Environmental Lead Laboratory Accreditation Program (ELLAP). The Contractor shall submit to the Engineer for review and acceptance, the name and address of the laboratory, certification(s) of AIHA participation, a listing of relevant experience in air lead analysis, and presentation of a documented Quality Assurance and Quality Control Program.

## **PART 2 - PRODUCTS**

### **2.1 GENERAL**

- A. Any substitution in materials, equipment, or methods to those specified shall be approved by the Owner and Consultant prior to use. Any requests for substitution shall be provided in writing to the Owner and Consultant. The request shall clearly state the rationale for the substitution.
- B. Submit to the Owner and Consultant product data of all materials and equipment and samples of all materials to be considered as an alternate.
- C. Product data shall consist of manufacturer; catalog sheets, brochures, diagrams, schedules, performance charts, illustrations, SDS, and other standard descriptive data. Submittal data shall be clearly marked to identify pertinent materials, products or equipment and show performance characteristics and capacities.
- D. Samples shall be of sufficient size and quantity to clearly illustrate the functional characteristics of the product or material with integrally related parts and attachment devices.

### **2.2 MATERIALS AND PRODUCTS**

- A. Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name and product technical description.
- B. Damaged or deteriorating materials shall not be used and shall be removed from the premises.
- C. The Contractor shall have available sufficient inventory or dated purchase orders for materials necessary for the project including protective clothing, respirators, filter cartridges, polyethylene (poly) sheeting of proper size and thickness, tape, and air filters.
- D. Materials
  - 1. Poly sheeting in a roll size to minimize the frequency of joints shall be delivered to the Site with factory label indicating 6-mil.
  - 2. Poly disposable bags shall be 6-mil. Tie wraps for bags shall be plastic, five inches long (minimum), pointed and looped to secure filled plastic bags.
  - 3. Tape or spray adhesive will be capable of sealing joints in adjacent poly sheets and for attachment of poly sheeting to finished or unfinished surfaces of dissimilar materials and capable of adhering onto both dry and wet conditions, including use of amended water.
  - 4. Impermeable containers are to be used to receive and retain any lead-containing or contaminated materials until disposal at an acceptable disposal site. The containers shall be labeled in accordance with EPA and DOT standards.
  - 5. HEPA filtered exhaust systems shall be used during powered dust-generating abatement operations. The use of powered equipment without HEPA exhausts on this Site shall be prohibited.

### **2.3 TOOLS AND EQUIPMENT**

- A. Provide suitable tools for all lead disturbing operations.

- B. The Contractor shall have available power cables or sources such as generators (where required).
- C. Vacuum units, of suitable size and capacities for the project, shall have HEPA filter(s) capable of trapping and retaining 99.97% of all mono-dispersed particles of 0.3 micrometers in diameter.

### **PART 3 - EXECUTION**

#### **3.1 PRE-CONSTRUCTION MEETING**

- A. At least one week prior to the start of work, a Pre-Construction Meeting will be scheduled and must be attended by the Contractor and any Subcontractors. The assigned Contractor Site Supervisor must attend this meeting.
- B. The Contractor shall present a detailed project schedule and project submittal package at the Pre-Construction Meeting. Variations, amendments, and corrections to the presented schedule will be discussed, and the Owner and Consultant will inform the Contractor of any scheduling adjustments for this project.
- C. Following the Pre-Construction Meeting, the Contractor shall submit a revised schedule (if needed) no later than one week after the meeting.

#### **3.2 WORKER PROTECTION/TRAINING**

- A. The Contractor shall provide appropriate training, respiratory and other PPE, and biological monitoring for each worker and ensure proper usage during potential lead exposure and the initial exposure assessment.
- B. Workers who will perform procedures must have completed one of the following training courses:
  - 1. EPA Lead Abatement Supervisor (40-hours)
  - 2. EPA Lead Abatement Worker (32-hours)
  - 3. EPA "Lead Safe Work Practices" Renovation Repair and Painting (RRP) Training (8 hours)
  - 4. Lead Awareness training in accordance with the OSHA Lead-in-Construction Standard (29 CFR 1926.62)

#### **3.3 CONTRACTOR'S RESPONSIBILITIES**

- A. The Contractor shall be responsible for establishing and maintaining controls referenced herein to prevent dispersal of lead contamination from the lead work area.
- B. The Contractor shall also be responsible for conducting work with applicable federal, state, and local regulations as referenced herein.

- 3.4 WORKER HYGIENE PRACTICES (*Required during initial exposure assessment and if results of air sampling are above OSHA Action Level*)
- A. Work Area Entry.
    - 1. Workers shall don PPE prior to entering work area, including respiratory protection, disposable coveralls, gloves, headgear, and footwear.
  - B. Work Area Departure.
    - 1. While leaving respirators on, workers shall remove all gross contamination, debris, and dust from disposable coveralls, then proceed to change room and remove coveralls and footwear and place in hazardous waste disposal container.
  - C. Hand washing Facilities.
    - 1. All workers must wash their hands and faces upon leaving the work area.
  - D. Equipment.
    - 1. All equipment used by workers inside the work area shall be wet-wiped or bagged for later decontamination before removal from the work area.
  - E. Prohibited Activities.
    - 1. Under no circumstances shall workers eat, drink, smoke, chew gum or tobacco, apply cosmetics, or remove their respirators in the work area.
  - F. Shock Hazards.
    - 1. The Contractor shall be responsible for using safe procedures to avoid electrical hazards. All temporary electrical wiring will be protected by a ground fault circuit interrupter (GFCI).

- 3.5 LEAD WORK AREA (*Required during initial exposure assessment and if results of air sampling are above OSHA Action Level*)
- A. The Contractor shall place lead warning signs at all entrances and exits from the work area. Signage shall be a minimum of 20" x 14" and shall state the following:

**DANGER  
LEAD WORK AREA  
MAY DAMAGE FERTILITY OR THE UNBORN CHILD  
CAUSES DAMAGE TO THE CENTRAL NERVOUS SYSTEM  
DO NOT EAT, DRINK OR SMOKE IN THIS AREA**

- B. The Contractor shall designate a change room as specified in this Section. The change room shall consist of two layers of 6-mil thickness poly sheeting on the floor surface adjacent to the lead work area. The change room shall have separate storage facilities for street clothes to avoid cross-contamination.



- C. The Contractor shall provide potable water for hand and face washing and provide a portable shower unit.
- D. The Contractor shall place 6-mil poly drop cloths on floor/ground surfaces prior to beginning removal work to facilitate clean-up.

### 3.6 WORK AREA CLEAN-UP

- A. The Contractor shall remove all loose chips and debris from floor surfaces and place in hazardous waste disposal bags.
- B. The Contractor shall clean using a HEPA filter equipped vacuum the adjacent surfaces to remove dust and debris.
- C. Poly drop cloths shall be cleaned and properly disposed of general construction and demolition waste.

### 3.7 WASTE DISPOSAL

- A. The Contractor's contractual liability shall be the proper disposal of all non-hazardous wastes generated at the Site in accordance with all applicable federal, state, and local regulations as referenced herein.

END OF SECTION 02 83 19



## **SECTION 02 84 33 - < 50 PPM POLYCHLORINATED BIPHENYL ABATEMENT**

### **PART 1 - GENERAL**

#### **1.1 RELATED DOCUMENTS**

- A. General Provisions of Contract, including General Supplementary Conditions shall apply to this Section.
- B. Fuss & O'Neill, Inc. (Fuss & O'Neill) Limited Hazardous Building Materials Inspection Report dated October 31, 2023 (Attachment A).
- C. Unit Prices Section 01 22 00.
- D. Asbestos Abatement Section 02 82 13.
- E. Asbestos Roofing Abatement Section 02 82 14.
- F. Lead-Based Paint Awareness Section 02 83 13.
- G. Handling of Lighting Ballasts and Lamps containing PCBs and Mercury Section 02 84 16.
- H. PCB Bulk Product Abatement Section 02 84 34.

#### **1.2 CONSULTANT**

- A. The Owner shall retain a Consultant for the purposes of project management and monitoring during Less Than (<) 50 parts per million (ppm) Polychlorinated Biphenyl (PCB) Abatement. The Consultant will represent the Owner in all phases of the abatement project at the discretion of the Owner. The PCB Abatement Contractor, Asbestos Abatement Contractor, and/or Demolition Contractor (collectively the "Contractor") shall regard the Consultant's direction as authoritative and binding as provided herein, in matters particularly, but not limited to:
  - 1. Work area approval
  - 2. Monitoring results review
  - 3. Various segments of work completion
  - 4. Abatement final completion,
  - 5. Data submission review
  - 6. Daily field punch list items

#### **1.3 SCOPE OF WORK**

- A. Work outlined in this Section includes all work necessary for the removal and disposal of < 50 ppm PCB-Containing Materials (PCB-Containing Materials herein) impacted during the demolition (the "Work") at 818-850 Silver Lane, East Hartford, Connecticut (the "Site").
- B. The Work shall include all necessary demolition to access the PCB-Containing Materials for abatement.

#### 1.4 USE OF THE CONTRACT DOCUMENTS

- A. It shall be incumbent upon the Contractor to visit the Site and determine what exists, its condition, and what will be required to accomplish the Work intended by the Contract Documents. No increase in the Contract Sum will be permitted as a result of the Contractor's failure to visit the Site and understand the existing conditions.
- B. All work shall comply with the Contract Documents and with applicable codes, laws, regulations, and ordinances wherever applicable. The most stringent of all the foregoing shall govern the Work.
- C. It is not intended that the Specifications show every detail of the Work, but the Contractor shall be required to furnish within the Contract Sum all materials and labor necessary for the completion of the Work in accordance with the intent of the Specifications.
- D. In case of ambiguity among the Contract documents, the more stringent requirement as determined by the Consultant shall prevail.
- E. The Work of this Contract includes making modifications as necessary, subject to approval by Owner in consultation with the Consultant, to correct any conflicts between Contract Documents.
- F. All items not specifically mentioned in the Specifications, but implied by trade practices to complete the Work, shall be included.

#### 1.5 EXAMINATION OF THE SITE

- A. It is understood that the Contractor has examined the Site and made their own estimates of the Site facilities and difficulties attending the execution of the Work, and has based their bid price thereon.
- B. Except for unforeseeable concealed conditions as determined by the Consultant, the Contractor shall make no claim for additional cost due to the existing Site conditions.

#### 1.6 CONTRACTOR QUALIFICATIONS

- A. All bidders shall submit a record of prior experience in PCB abatement projects, listing no less than three completed projects in the past year, with all projects of similar size and scope. The Contractor shall list the experience and training of the project supervisor and all on-site personnel. The information to be included is as follows:
  - 1. Project Name and Address
  - 2. Owner's Name and Address
  - 3. Architect/Consultant
  - 4. Contract Amount
  - 5. Date of Completion
  - 6. Extras and Changes
- B. Submit a written statement regarding whether the Contractor has ever been cited for noncompliance with federal or state regulations pertaining to worker protection, removal, transport, or disposal related to PCBs or other hazardous materials.

#### 1.7 CONSTRUCTION PROGRESS SCHEDULE

- A. To assure adequate planning and execution of the Work and to assist the Consultant in reviewing the justification for the Contractor's applications for payment, the Contractor shall prepare and maintain a detailed Progress Schedule.
- B. The Contractor shall supervise and direct all work of theirs and other trades using their best skill and attention. The Contractor shall be solely responsible for all construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the Work under the Contract.
- C. Due to the nature of this construction work, the scheduling or phasing of work under this Contract may be adjusted by the Owner. As long as the scope of work is not altered, adjustments to the project phasing shall have no effect on the contract price.
- D. The Contractor and any Subcontractors shall attend a pre-construction meeting. The assigned Supervisor must attend this meeting.

#### 1.8 TESTING LABORATORY SERVICES

- A. The Contractor shall submit to the Consultant the name; address and qualifications of proposed laboratories intended to be utilized for sample analysis as required by this Section.

#### 1.9 ADDITIONAL GENERAL REQUIREMENTS

- A. The Contractor shall employ a competent Supervisor with at least three years of experience on projects of similar scope and magnitude, who shall be responsible for all work involving asbestos and PCB abatement, as described in the specifications and defined in applicable regulations and have full-time daily supervision of the same. The Supervisor shall be the competent person as defined by Occupational Safety and Health Administration (OSHA) regulations.
- B. The Contractor shall furnish all labor, materials, facilities, equipment, installation services, employee training, permits, licenses, certifications, agreements, and incidentals necessary to perform the specified work. Work shall be performed in accordance with the Contract Documents, the latest regulations from OSHA, the United State Environmental Protection Agency (EPA), and all other applicable federal, state, and local agencies. Whenever the requirements of the above references conflict or overlap, the more stringent provision shall apply.
- C. All project personnel engaged in the work covered under this section shall have a PCB Awareness Training. It should also be noted that work associated with PCB removal may also involve exposure to PCBs during demolition and removal activities specified herein and the Contractor shall perform required exposure assessment for PCBs.
- D. This Section specifies the procedures for removal of existing products containing PCBs less than (<) 50 ppm as PCB-Containing Waste. The products are not regulated for removal and disposal in accordance with federal requirements of EPA Title 40 CFR, Part 761 as the materials meet the definition of an "Excluded PCB Product." However, the products are regulated in accordance with State of Connecticut Department of Energy and Environmental

Protection (CTDEEP) requirements as PCB-Containing Material due to the presence of more than 1 ppm of PCBs in the products.

- E. Disturbance or removal of PCB-containing materials may cause a health hazard to workers and building occupants. The Contractor shall disclose to workers, supervisory personnel, Subcontractors, and consultants who will be at the Site of the seriousness of the hazard and proper work procedures that must be followed.
- F. During performance of the Work, workers, supervisory personnel, Subcontractors, or consultants who may encounter, disturb, or otherwise function in the immediate vicinity of PCB-containing materials, shall take continuous measures as necessary to protect workers from the hazard of exposure. Such measures shall include the procedures and methods described in this Section, OSHA regulations, EPA regulations, and local requirements as applicable.
- G. If requested or required by local, state, federal, and any other authorities having jurisdiction over such work, the Contractor shall allow the Work of this Contract to be inspected. The Contractor shall immediately notify the Owner and the Consultant and shall maintain written evidence of such inspection for review by the Owner and the Consultant.
- H. The Contractor shall incur the cost of all fines resulting from regulatory non-compliance, as issued by federal, state, and local agencies. The Contractor shall incur the cost of all work requirements mandated by federal, state, and local agencies as a result of regulatory non-compliance or negligence.
- I. The Contractor shall immediately notify the Owner and Consultant of the delivery of all permits, licenses, certificates of inspection, of approval, or occupancy, etc., and any other such instruments required under codes by authorities having jurisdiction, regardless of who issued, and shall cause them to be displayed to the Owner and Consultant for verification and recording.

#### 1.10 SCOPE OF WORK

- A. The base bid includes the removal and disposal of all < 50 ppm PCB-Containing Materials as identified herein, conducted by workers in accordance with OSHA and CTDEEP regulations. The base bid will include the cost for removal, packaging, transporting, and disposing < 50 ppm PCB-containing materials.
- B. **This project is not subject to EPA Toxic Substances and Control Act (TSCA) regulation Title 40 CFR, Part 761.** The project is subject to compliance with CTDEEP requirements for materials containing < 50 ppm PCBs.
- C. The quantities listed herein are estimates only, and should be verified on-site by the Contractor.
- D. This bid includes the following PCB-Containing Materials:

**BASE BID - PCB-CONTAINING MATERIALS**

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
<b>Building 3</b>			
Building 3 South, Door 2	Light-gray door/window caulk Includes Removal, Packaging, Transporting, & Disposing as PCB Containing Materials Less Than 50 PPM	75 LF	1
Building 3 South, Door 2	Light-gray door/window caulk Includes Removal, Packaging, Transporting, & Disposing as PCB Containing Materials Less Than 50 PPM	75 LF	1
<b>Building 4</b>			
Building 4 South, Window 6 East	White window caulk Includes Removal, Packaging, Transporting, & Disposing as PCB Containing Materials Less Than 50 PPM	10 LF	1
Building 4 South, Window 6 East	White window caulk Includes Removal, Packaging, Transporting, & Disposing as PCB Containing Materials Less Than 50 PPM	10 LF	1
<b>Building 5</b>			
East Building 5 South, East window edge	Dark-gray window caulk Includes Removal, Packaging, Transporting, & Disposing as PCB Containing Materials Less Than 50 PPM	25 LF	1

LF = Linear Feet; SF = Square Feet; EA = Each

Notes:

1. Quantities shall be verified by Contractor during the time of the walk-through. Discrepancies of amounts and/or locations of asbestos-containing materials shall be addressed prior to bidding the work to the Owner and Consultant.
  2. Contractor shall remove the complete door: wrap in two-layers of 6-mil polyethylene sheeting and dispose of it as PCB-Containing Materials.
  3. Contractor shall remove the complete window including metal window frame: wrap in two-layers of 6-mil polyethylene sheeting and dispose of it as PCB Containing Materials.
- E. Some of the Work will be performed in multiple mobilizations, at different periods of time, in conjunction with other trades (i.e., other trades work, demolition work, etc.).
- F. Safety Data Sheets (SDS) for chemicals to be used during the project must be submitted to the Consultant prior to site delivery.
- G. The Contractor shall be responsible for providing temporary water, power, and heat as needed at the Site. Temporary lighting within the work areas must be connected to Ground Fault Circuit Interrupter (GFCI) power panels, installed by a State of Connecticut-licensed electrician, and located outside of the work areas.

1.11 DEFINITIONS

- A. The following definitions relative to PCB abatement shall apply:

1. Abatement - Procedures to control PCB release from PCB-containing materials; includes removal, encapsulation, and enclosure.
2. Air Monitoring - The process of measuring PCB concentrations of an area or exposure of a person.
3. CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act (Title 42 CFR, Parts 9601-9657).
4. Competent Person - As defined by OSHA, a representative of the Contractor who is capable of identifying existing PCB hazards in the workplace and selecting the appropriate control strategy for PCB exposure. Person who has authority to take prompt corrective measures to eliminate such hazards during PCB removal.
5. Consultant – Fuss & O’Neill, Inc.
6. Containment – An enclosure within the building which establishes a contaminated area and surrounds the location where PCB and/or other toxic or hazardous substance removal is conducted and establishes a Control Work Area.
7. Designated Facility – An off-site disposer or commercial storer of PCB-containing waste designated on the manifest as the facility that will receive a manifested shipment of PCB containing waste.
8. Disposal – An intentional or accidental act of discarding, throwing away, completing, or terminating the useful life of PCBs and PCB-containing items. Disposal includes spills, leaks, and other uncontrolled discharges of PCBs as well as actions related to containing, transporting, destroying, degrading, decontaminating, or confining PCBs and PCB items.
9. DOT – The United States Department of Transportation.
10. Excluded PCB Product – A PCB-containing material which is determined by laboratory analysis to contain concentrations of PCBs < 50 ppm, and meets the requirements of EPA Title 40 CFR, Part 761.3.
11. Fixed Object – Mechanical equipment, electrical equipment, fire detection systems, alarms, or all other fixed equipment, fixtures, or items, which cannot be removed from the work area.
12. Generator of PCB Waste - Any person who acts, processes, or produces PCBs that are regulated for disposal under EPA Title 40 CFR, Part 761, Subpart D, whose act first causes PCBs or PCB-containing -items to become subject to the disposal requirements of EPA Title 40 CFR, Part 761, Subpart D, or who has physical control over the PCBs when a decision is made that the use of the PCBs has been terminated, and is therefore subject to the disposal requirements of EPA Title 40 CFR, Part 761, Subpart D. Unless another provision of EPA Title 40 CFR, Part 761 specifically requires a site-specific meaning, “generator of PCB waste” includes all of the sites of PCB waste generation owned or operated by the person who generates PCB waste.
13. GFCI – Ground Fault Circuit Interrupter
14. HEPA – High Efficiency Particulate Air
15. HEPA Filter - Filter in compliance with ANSI Z9.2 1979.
16. HEPA Vacuum Equipment - Vacuum equipment fitted with a HEPA filter system for filtering the air effluent.
17. Incinerator - An engineered device using controlled flame combustion to thermally degrade PCBs and PCB Items. Examples of devices used for incineration include rotary kilns, liquid injection incinerators, cement kilns, and high temperature boilers.
18. Laboratory - A facility that analyzes samples for PCBs and is unaffiliated with any entity whose activities involve PCBs.
19. Large PCB Mark (M<sub>L</sub>) - Mark shall include letters and striping on a white or yellow background and shall be sufficiently durable to equal or exceed the life (including storage for disposal) of the PCB Article, PCB Equipment, or PCB Container. The size of the mark shall be at least six inches (6”) on each side. If the PCB Article or PCB Equipment



is too small to accommodate this size, the mark may be reduced in size proportionately down to a minimum of two inches on each side.

20. Liquid PCBs – A homogenous flowable material containing PCBs and no more than 0.5 percent by weight of non-dissolved material.
21. Manifest – The shipping document EPA form 8700–22 and any continuation sheet attached to EPA form 8700–22, originated, and signed by the generator of PCB-containing waste.
22. Mark – The descriptive name, instructions, cautions, or other information applied to PCBs and PCB Items, or other objects.
23. Marked - The marking of PCB Items and PCB storage areas and transport vehicles by means of applying a legible mark by painting, fixation of an adhesive label, or by any other method that meets the requirements of the EPA Title 40 CFR, Part 761.
24. Movable Object - Unit of equipment or furniture in the work area that can be removed from the work area.
25. Municipal Solid Waste - Garbage, refuse, sludges, wastes, and other discarded materials resulting from residential and non-industrial operations and activities, such as household activities, office functions, and commercial housekeeping wastes.
26. Negative Air Pressure Equipment - A portable local exhaust system equipped with HEPA filtration used to create negative pressure in a regulated area (negative with respect to adjacent unregulated areas), and capable of maintaining a constant, low velocity air flow into regulated areas from adjacent unregulated areas.
27. Non-Liquid PCBs - Materials containing PCBs that by visual inspection do not flow at room temperature (25°C or 77°F), or from which no liquid passes when a 100 gram or 100 milliliter representative sample is placed in a mesh number 60 ±5 percent paint filter and allowed to drain at room temperature for five minutes.
28. Non-Porous Surface – A smooth, unpainted solid surface that limits penetration of liquid-containing PCBs beyond the immediate surface. Examples include smooth uncorroded metal, natural gas pipe with a thin, porous coating originally applied to inhibit corrosion, smooth glass, smooth glazed ceramics, impermeable polished building stone, such as marble or granite, and high-density plastics, such as polycarbonates and melamines that do not absorb organic solvents.
29. On-Site - Within the boundaries of a contiguous property unit.
30. Owner – Town of East Hartford, Connecticut: An employee or executive who has the principal responsibility for a process, program, or project.
31. PCB(s) – A chemical substance that is limited to the biphenyl molecule that has been chlorinated to varying degrees or any combination of substances that contain such substance. Refer to EPA Title 40 CFR, Part 761.1(b) for applicable concentrations of PCBs. PCB and PCBs as contained in PCB items are defined in EPA Title 40 CFR, Part 761.3.
32. PCB Article – A manufactured article, other than a PCB Article Container, that contains PCBs and whose surface(s) has been in direct contact with PCBs. Includes capacitors, transformers, electric motors, pumps, pipes, and other manufactured item which (1) is formed to a specific shape or design during manufacture, (2) has end use function(s) dependent in whole or in part upon its shape or design during end use, and (3) has either no change of chemical composition during its end use, or only those changes of composition that have no commercial purpose separate from that of the PCB Article.
33. PCB Article Container – A package, can, bottle, bag, barrel, drum, tank, or other device used to contain PCB Articles or PCB Equipment, and whose surface(s) has not been in direct contact with PCBs.
34. PCB Bulk Product Waste – A waste derived from manufactured products containing PCBs in a non-liquid state, at any concentration where the concentration at the time of

designation for disposal is greater than (>) 50 ppm PCBs. Does not include PCBs or PCB Items regulated for disposal under EPA Title 40 CFR Parts 761.60(a)-(c), 761.61, 761.63, or 761.64. PCB Bulk Product Waste is further defined in EPA Title 40 CFR, Part 761.3.

35. PCB Capacitor – A capacitor that contains  $\geq 500$  ppm PCBs. Concentration assumptions applicable to capacitors appear under EPA Title 40 CFR, Part 761.2.
36. PCB-Containing Materials – For the purposes of this Work means those materials containing < 50 ppm PCBs which have been documented as Excluded PCB Products, and are therefore not subject to the requirements of EPA Title 40 CFR, Part 761, but include CTDEEP-regulated concentrations of PCBs requiring proper removal and disposal in accordance with this Section.
37. PCB Equipment – A manufactured item, other than a PCB Article Container, which contains a PCB Article or other PCB Equipment, and includes microwave ovens, electronic equipment, and fluorescent light ballasts, and fixtures.
38. PCB Item – A PCB Article, PCB Article Container, PCB Container, PCB Equipment, or anything that deliberately or unintentionally contains, or has as a part of it any PCB or PCBs.
39. PCB Remediation Waste – Waste containing PCBs in concentrations greater than 1 ppm as a result of a spill, release, or other unauthorized disposal.
40. PCB Waste(s) – PCBs and PCB Items that are subject to the disposal requirements of EPA Title 40 CFR, Part 761, Subpart D.
41. Porous Surface – A surface that allows PCBs to penetrate or pass into itself including, but not limited to, paint or coating on metal, corroded metal, fibrous glass or glass wool, unglazed ceramics, ceramics with a porous glaze, porous building stone such as sandstone, travertine, limestone, or coral rock, low-density plastics such as Styrofoam™ and low-density polyethylene (poly), coated (varnished or painted) or uncoated wood, concrete or cement, plaster, plasterboard, wallboard, rubber, fiberboard, chipboard; asphalt, or tar paper. For purposes of cleaning and disposing of PCB Remediation Waste, porous surfaces have different requirements than non-porous surfaces.
42. RCRA means the Resource Conservation and Recovery Act (EPA Title 40 CFR, Parts 260 - 265).
43. Regulated Work Area - An area established by the employer to demarcate where PCB abatement is conducted and any adjoining area where debris and waste from such abatement work accumulate.
44. Standard Wipe Sample – A sample collected for chemical extraction and analysis using the standard wipe test as defined in EPA Title 40 CFR, Part 761.123. Except as designated elsewhere in EPA Title 40 CFR, Part 761, the minimum surface area to be sampled shall be 100 square centimeters (cm<sup>2</sup>).
45. Storage for Disposal - Temporary storage area for PCBs that have been designated for disposal.
46. SW-846 - The document having the title “SW-846, Test Methods for Evaluating Solid Waste.”
47. Totally-Enclosed Manner – A manner that will ensure no exposure of human beings or the environment to a concentration of PCBs.
48. Transfer Facility – A transportation-related facility including loading docks, parking areas, and other similar areas where shipments of PCB waste are held during the normal course of transportation. Transport vehicles are not transfer facilities under this definition, unless they are used for the storage of PCB waste, rather than for actual transport activities. Storage areas for PCB waste at transfer facilities are subject to the storage facility standards of EPA Title 40 CFR, Part 761.65, but such storage areas are exempt from the approval requirements of EPA Title 40 CFR, Part 761.65(d) and the

- recordkeeping requirements of EPA Title 40 CFR, Part 761.180, unless the same PCB waste is stored there for a period of more than 10 consecutive days between destinations.
49. Transporter of PCB Waste - For the purposes of EPA Title 40 CFR, Part 761, Subpart K, any person engaged in the transportation of regulated PCB waste by air, rail, highway, or water for purposes other than consolidation by a generator.
  50. Transport Vehicle – A motor vehicle or rail car used for the transportation of cargo by any mode. Each cargo-carrying body (e.g., trailer, railroad freight car) is a separate transport vehicle.

## 1.12 SUBMITTALS

- A. The Contractor shall submit the following to the Consultant in one complete package prior to the pre-construction meeting, and no later than 10 business days prior to the anticipated start of the Work:
  1. Site-Specific Health and Safety Plan (HASP): The Contractor shall prepare a site-specific HASP plan for worker protection and Site control in accordance with OSHA regulatory requirements (Title 29 CFR, Part 1910.120). The HASP shall govern all work conducted at the Site during the removal of PCB-Containing Materials and related debris; waste handling, sampling, waste management; and waste transportation. At a minimum, the HASP shall address the requirements set forth in OSHA Title 29 CFR, Part 1910.120, as further outlined below:
    - a. Health and Safety Organization
    - b. Site Description and Hazard Assessment
    - c. Training
    - d. Medical Surveillance
    - e. Work Areas
    - f. Personal Protective Equipment
    - g. Personal Hygiene and Decontamination
    - h. Standard Operating Procedures and Engineering Controls
    - i. Emergency Equipment and First Aid Provisions
    - j. Equipment Decontamination
    - k. Air Monitoring
    - l. Telephone List
    - m. Emergency Response and Evacuation Procedures and Routes
    - n. Site Control
    - o. Permit-Required Confined Space Procedures
    - p. Spill Prevention and Countermeasure Contingency Plan (SPCC)
    - q. Heat and Cold Stress
    - r. Record Keeping
    - s. Community Protection Plan
  2. Employee Training, Medical, and Fit Test Documentation: The Contractor submit the following documentation:
    - a. Documentation of PCB Awareness Training for all employees and Sub-contractors to be used for the removal work.
    - b. Medical clearance and respirator fit test records of each employee who may be on the project site.
  3. PCB and or other Toxic or Hazardous Substances Disposal Plan: A written plan that details the Contractor's plan for transportation and disposal of PCB-Containing Materials or other Toxic or Hazardous Substance wastes generated during the project. The Disposal Plan shall identify:

- a. Waste packaging, labeling, placarding, and manifesting procedures.
  - b. The name, address, and 24-hour contact number for the proposed treatment or disposal facility, or facilities to which waste generated during the project will be transported.
  - c. The name, address, contact person(s) and state-specific permit numbers for proposed waste transporters, and EPA and DOT identification number for firms that will transport PCB-Containing Material waste.
  - d. The license plate numbers of vehicles to be used in transporting of the waste from the Site to the disposal facility.
  - e. The route(s) by which the waste will be transported to the designated disposal facility, and states or territories through which the waste will pass.
4. Safely Data Sheets (SDS): SDS and manufacturer's information shall be provided for all chemicals and materials to be used during the project including, but not limited to specialty cleaners and chemical stripping products.
5. Air Sampling Professional Qualifications: The qualifications of the air sampling professional that the Contractor proposed to use for this project to perform OSHA-required employee exposure monitoring.
- B. The following documents shall be submitted to the Consultant within 15 working days following removal of waste from the Site:
1. Waste Profile Sheets
  2. Pre-Disposal Analysis Test Results (if required by disposal facility)
  3. Waste Manifests signed by the disposal facility
  4. Tipping Receipts provided by the disposal facility
  5. Certification of Final Treatment/Disposal signed by the responsible disposal facility official.
- C. The following shall be submitted to the Consultant at the completion of work:
1. Disposal Site Receipts: Copy of waste shipment record(s) and disposal site receipt(s) that indicate that PCB-Containing Materials or other Toxic or Hazardous Substances materials have been properly disposed.
  2. Product Data: Catalog sheets, specifications, and application instructions for any removal products, if used.

#### 1.13 REGULATIONS AND STANDARDS

- A. The Contractor shall be solely responsible for conducting this project and supervising all work in a manner that will be in conformance with all federal, state, and local regulations and guidelines pertaining to PCB abatement. Specifically, the Contractor shall comply with the requirements of the following:
1. EPA TSCA (Title 40 CFR, Part 761);
  2. OSHA Hazardous Waste Operations and Emergency Response Regulations (Title 29 CFR, Parts 1910.120);
  3. CTDEEP Regulations;
  4. United States Department of Transportation (DOT) Hazardous Materials Regulations (Title 49 CFR, Parts 171 – 180)
  5. Connecticut Basic Building Codes;
  6. Life Safety Code National Fire Protection Association (NFPA);

7. Local health and safety codes, ordinances or regulations pertaining to PCB remediation and all national codes and standards including American Society of Testing and Materials (ASTM), American National Standards Institute (ANSI), and Underwriter's Laboratories (UL).

1.14 FINAL VISUAL CLEARANCE

- A. Following the completion of the Work, the Consultant shall perform a final visual inspection of the work area per this Specification and CTDEEP regulations.

1.15 POSTING AND RECORD MAINTENANCE REQUIREMENTS

- A. The following items shall be conspicuously displayed proximate, but outside of removal work areas.
  1. Exit Routes: Emergency exit procedures and routes
  2. Emergency Phone Numbers: A list indicating the telephone numbers and locations of the local hospital(s); the local emergency squad; the local fire department; the local police department; the Poison Control Center; Chemical Emergency Advice (CHEMTREC); the local Department of Health's local office; the Remediation Contractor (on-site and after hours numbers); and the environmental consultant (on-site and after hours numbers).
  3. Warning Signs: Warning signs shall be in English and the language of any workers on site who do not speak English, and be of sufficient size to be clearly legible and display the following or similar language in accordance with OSHA Title 29 CFR, Part 1910.1200:

**WARNING  
HAZARDOUS WASTE WORK AREA  
PCBs-POISON  
NO SMOKING, EATING OR DRINKING  
AUTHORIZED PERSONNEL ONLY  
PROTECTIVE CLOTHING IS REQUIRED IN THIS AREA**

4. In addition, all entrances to work areas shall be posted with a PCB M<sub>L</sub> large marker.
- B. The Contractor shall maintain the following items on-site and available for review by all employees and authorized visitors:
  1. Contractor's Site-Specific HASP
  2. Documentation of Training, Medical Clearance, and Fit Test Records for all employees and the project Supervisor
  3. Codes, Standards, and Publications
  4. SDS for all chemicals used during the project
  5. Copies of Contractor's written hazard communication, respiratory protection, and confined space entry programs
- C. Fees, Permits, and Licenses: The Contractor shall pay all licensing fees, royalties, and other costs necessary for the use of any copyrighted or patented product, design, invention, or processing in the performance of the work specified in this Section.
  1. The Contractor shall be solely responsible for costs, damages, or losses resulting from any infringement of these patent rights or copyrights. The Contractor shall hold the

Owner and the Consultant harmless from any costs, damages, and losses resulting from any infringement of these patent rights or copyrights.

2. The Contractor shall be responsible for securing all necessary permits for work under this Section, including hauling, removal, and disposal, fire, and materials usage, or any other permits required to perform the specified work.

#### 1.16 MINIMUM REQUIREMENTS FOR WORKER HEALTH AND SAFETY

- A. The Contractor is responsible and liable for the health and safety of all on-site personnel, and the off-site community affected by the Work. All on-site workers or other persons entering the abatement work areas, decontamination areas, or waste handling and staging areas shall be knowledgeable of and comply with the requirements of the site-specific HASP at all times. The Contractor's HASP shall comply with all applicable federal, state, and local regulations protecting human health and the environment from the hazards posed by the Work.
- B. Consistent disregard for the provisions of the HASP shall be deemed as sufficient cause for immediate stoppage of work and termination of the Contract or any Sub-Contracts without compromise or prejudice to the rights of the Owner or Consultant.
- C. Any discrepancies between the Contractor's HASP and these Specifications or federal, state, and local regulations shall be resolved in favor of the more stringent requirements that provide the highest degree of protection to the project personnel, the surrounding community, and environment.
- D. In addition to exposure concerns relating to the presence of PCBs, other health and safety considerations will apply to the Work. The Contractor shall be responsible for recognizing such hazards and shall be responsible for the health and safety of the Contractor's employees at all times. It is the Contractor's responsibility to comply with all applicable health and safety regulations.
- E. The HASP shall be reviewed by all personnel prior to entry into the abatement, decontamination, or waste staging areas. Includes representatives of the Contractor, Owner, Consultant, Subcontractor(s), Waste Transporter or Federal, State, or Local Regulatory Agencies. Such review shall be acknowledged and documented by the Contractor Site Supervisor by obtaining the name, signature, and affiliation of all personnel reviewing the HASP.
- F. The HASP shall be maintained so as to be readily accessible and reviewable by all site personnel throughout the duration of the abatement project, and until all waste materials are removed from the site and disposed of at the appropriate disposal facility.
- G. The Contractor Site Supervisor shall be responsible for ensuring that project personnel and site visitors are informed of and comply with the provisions of the HASP.

#### 1.17 WORK AREAS AND ZONES

- A. The Contractor shall demarcate and clearly identify work areas in the field prior to the start of the Work. Access by equipment, site personnel, and the general public to the work areas shall be limited as follows:

1. Abatement Zone: The Abatement Zone(s) shall consist of all areas where removal of PCB-Containing Materials and other Toxic or Hazardous Substances and waste handling and staging activities are on-going, and the immediately surrounding locale or other areas where contamination could occur. Each Abatement Zone for purposes of removal of PCB-Containing Materials or other Toxic or Hazardous Substances for disposal shall be performed within a regulated work area (refer to Section 3.2 of this Specification) to demarcate work areas from non-work areas. The regulated work area shall be visibly delineated with appropriate warning signs at all approaches to the area (including a large PCB M<sub>L</sub> marker), and be restricted from access by all personnel except those directly necessary for the completion of the respective abatement tasks. The Abatement Zones shall be relocated and delineated as necessary as work progresses from one portion of the Site to another, to limit access to each area and to minimize risk of exposure to Site workers and the general public. Access shall be controlled at the periphery of the Abatement Zones to regulate the flow of personnel and equipment into and out of each zone and to help verify that proper procedures for entering and exiting are followed. All persons within the Abatement Zones shall wear the appropriate level of protection established in the Contractor's HASP.
2. Decontamination Zone: The Decontamination Zone is the transition zone between the Abatement Zone and the clean support zone of the Site, and is intended to reduce the potential for contaminants from being dispersed from the Abatement Zone to clean areas of the Site. The Decontamination Zone shall consist of a buffer area surrounding each Abatement Zone through which the transfer of equipment, materials, personnel, and containerized waste products will occur, and in which decontamination of equipment, personnel, and clothing will occur. The Decontamination Zones shall be constructed as a three chamber decontamination unit for workers and a two chamber equipment room for waste load-out as detailed in Section 3.3 of this Specification. All emergency response and first aid equipment shall be readily maintained in this zone. All personal protective equipment (PPE) and clothing shall be removed or decontaminated in the Decontamination Zone prior to exiting to the Support Zone.
3. Support Zone: The Support Zone shall consist of the area outside the Decontamination Zones and the remainder of the project site. Administrative and other support functions, and any activities that by nature need not be conducted in the Abatement or Decontamination Zone related to the project shall occur in the Support Zone, access to the Abatement and Decontamination Zones shall be controlled by the Contractor Site Supervisor, and limited to those persons necessary to complete the abatement work, and which have reviewed and signed the HASP.

#### 1.18 PERSONNEL PROTECTIVE EQUIPMENT

- A. The Contractor shall be responsible to determine and to provide the appropriate PPE level in accordance with applicable regulations and standards necessary to protect the Contractor's employees from all potential Site hazards present.
- B. The Contractor shall provide all employees with the appropriate safety equipment and protective clothing to ensure an appropriate level of protection for each task, taking into consideration the chemical, physical, ergonomic, and biological hazards posed by the Site and Work.
- C. The Contractor shall establish in the HASP criteria for the selection and use of PPE.

- D. The PPE to be utilized for the project shall be selected based upon the potential hazards associated with the Site and the Work. Appropriate PPE shall be worn at all times within the Abatement Zone.
- E. The Contractor shall provide the appropriate level of respiratory protection to all field personnel engaged in activities where respiratory hazards exist, or where there is a potential for such hazard to exit.
- F. The Contractor shall provide, as necessary, protective coveralls, disposable gloves, and other protective clothing for all personnel that will be actively involved in abatement activities or waste handling activities, or otherwise present in the Abatement Zones. Coveralls shall be Tyvek™ or equivalent material. Should the potential for exposure to liquids exist, splash resistant disposable suits shall be provided and utilized.
- G. Protective coveralls, and other protective clothing shall be donned and removed within the Decontamination Zone and shall be disposed of at the end of each day. Ripped coveralls shall be immediately replaced after appropriate decontamination has been completed to the satisfaction of the Contractor Site Supervisor. Protective clothing shall not be worn outside of the Decontamination Zone.
- H. Hard hats, protective eyewear, rubber boots and/or other non-skid footwear shall be provided by the Contractor as required for workers and authorized visitors.
- I. All contaminated protective clothing, respirator cartridges and disposable protective items shall be placed into proper containers to be provided by the Contractor for transport and proper disposal in accordance with CTDEEP regulations.

#### 1.19 EMERGENCY EQUIPMENT AND FIRST AID REQUIREMENTS

- A. At a minimum, the Contractor shall provide and maintain at the Site the following Emergency and First Aid Equipment:
  - 1. Fire Extinguishers: At least one fire extinguisher shall be supplied and maintained at the Site by the Contractor throughout the duration of the Work. Each extinguisher shall be a minimum of one 20-pound Class ABC dry fire extinguisher with Underwriters Laboratory approval per OSHA Title 29 CFR, Part 1910.157.
  - 2. First Aid Kit: At least one first aid kit meeting the requirements of OSHA Title 29 CFR, Part 1910.151 shall be supplied and maintained at the Site by the Contractor throughout the duration of the Work.
  - 3. Communications: Telephone communications (either cellular or land line) shall be provided by the Contractor for use by site personnel at all times during the Work.
- B. The Contractor Site Supervisor shall be notified immediately in the event of personal injury, potential exposure to contaminants, or other emergency. The Contractor Site Supervisor shall then immediately notify the Owner and Consultant.

#### 1.20 STANDARD SAFETY AND HEALTH PROCEDURES AND ENGINEERING CONTROLS

- A. The following provisions shall be employed to promote overall safety, personnel hygiene, and personnel decontamination:



1. Each Contractor or Subcontractor shall ensure that all safety equipment and protective clothing to be utilized by its personnel is maintained in a clean and readily accessible manner at the Site.
  2. All prescription eyeglasses in use on this project shall be safety glasses conforming to ANSI Standard Z87.1. No contact lenses shall be allowed on the Site.
  3. Prior to exiting the delineated Decontamination Zone(s), all personnel shall remove protective clothing, and place disposable items in appropriate disposal containers to be dedicated to that purpose. Following removal of PPE, personnel shall thoroughly wash and rinse their face, hands, arms and other exposed areas with soap and tap water wash and subsequent tap water rinse. A fresh supply of tap water shall be provided at the Site on each work day by the Contractor for this purpose.
  4. All PPE used on-site shall be decontaminated or disposed of at the end of each work day. Discarded PPE shall be placed in sealed DOT-approved 55-gallon drums for off-site disposal.
  5. Respirators shall be dedicated to each employee, and not interchanged between workers without cleaning and sanitizing.
  6. Eating, drinking, chewing gum or tobacco, smoking, and any other practice that increases the likelihood of hand to mouth contact shall be prohibited within the delineated abatement and decontamination work zones. Prior to performing these activities, each employee shall thoroughly cleanse their face, hands, arms and other exposed areas.
  7. All personnel shall thoroughly cleanse their face hands, arms and other exposed areas prior to using toilet facilities.
  8. No alcohol, illicit drugs, or firearms will be allowed on the Site at any time.
  9. Contact with potentially contaminated surfaces should be avoided, if possible. Field personnel should minimize walking through standing water/puddles, mud, or other wet or discolored surfaces; kneeling on the ground; and placing equipment, materials or food on the ground or other potentially contaminated surface.
  10. The use of the "Buddy System" shall be employed at all times while conducting work at the Site. Each employee shall frequently monitor other workers for signs of heat stress or chemical exposure or fatigue: periodically examine others PPE for signs of wear or damage; routinely communicate with others; and notify the Contractor Site Supervisor in the case of an emergency.
- B. Workers must wear protective suits, protective gloves, eye protection and a minimum of half-face air-purifying respirators with dual P100 filter cartridges. Respiratory protection shall be in accordance with OSHA Title 29 CFR, Part 1910.134, and ANSI Z88.2.
- C. Workers must be trained as per OSHA requirements, have medical clearance, and must have recently received pulmonary function test (PFT) and respirator fit tested by a trained professional.
1. A personal air sampling program shall be in place as required by OSHA.
  2. The use of respirators must also follow a complete written respiratory protection program, as specified by OSHA.

## **PART 2 - PRODUCTS**

### **2.1 MATERIALS**

- A. Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name and product technical description.
- B. Damaged or deteriorating materials shall not be used and shall be removed from the premises. Material that becomes contaminated with PCBs shall be decontaminated or disposed of as PCB waste.
- C. Poly sheeting in a roll size to minimize the frequency of joints shall be delivered to the Site with factory label indicating 4 or 6-mil thickness.
- D. Poly disposable bags shall be 6-mil thickness with pertinent pre-printed label. Tie wraps for bags shall be plastic, five inches long (minimum), pointed and looped to secure filled plastic bags.
- E. Tape or adhesive spray will be capable of sealing joints in adjacent poly and for attachment of poly to finished or unfinished surfaces of dissimilar materials and capable of adhering under both dry and wet conditions, including use of cleaning products.
- F. Cleaning products, such as Capsur™, TechXtract™, or equivalent, shall be utilized at the Contractor's discretion. Cleaning products shall be used in decontaminating porous and non-porous surfaces to remain. All such products shall be utilized in accordance with manufacturer's specifications as intended. The Contractor shall ensure appropriate use and disposal associated with use in accordance with the SDS for each product utilized. The Contractor shall assure proper ventilation and engineering controls to prevent an odor or volatile organic compound (VOC) issue in the building when using specialty cleaning products.
- G. The Contractor shall have available spray equipment capable of mixing wetting agent with water and capable of generating sufficient pressure and volume and having sufficient hose length to reach all areas with PCBs.
- H. The Contractor shall have available enough DOT-approved 17-C or 17-H for waste disposal.

### **2.2 TOOLS AND EQUIPMENT**

- A. The Contractor shall provide all tools and equipment necessary for PCB removal.
- B. The Contractor's air monitoring professional shall have air-monitoring equipment of type and quantity to monitor operations and conduct personnel exposure surveillance per OSHA requirements.
- C. The Contractor shall have available sufficient inventory or dated purchase orders for materials necessary for the Work including protective clothing, respirators, filter cartridges, poly of proper size and thickness, tape, and air filters.
- D. The Contractor shall provide (as needed) temporary electrical power panels, electrical power cables, and electrical power sources (such as generators). Any electrical connection work

affecting the building electrical power system shall be performed by a State of Connecticut-licensed electrician.

- E. The Contractor shall have available shower stalls and plumbing to support same to include sufficient hose length and drain system or an acceptable alternate.
- F. Vacuum units, of suitable size and capacities for the project, shall have HEPA filter(s) capable of trapping and retaining at least 99.97 percent of all mono-dispersed particles of 0.3 micrometers in diameter or larger.

### **PART 3 - EXECUTION**

#### **3.1 PRE-CONSTRUCTION MEETING**

- A. At least one week prior to the start of work a Pre-Construction Meeting will be scheduled and must be attended by the Contractor and any Sub-Contractors. The assigned Contractor Site Supervisor must also attend this meeting.
- B. The Contractor shall present a detailed project schedule and project submittal package at the Pre-Construction Meeting. Variations, amendments, and corrections to the presented schedule will be discussed, and the Owner and Consultant will inform the Contractor of any scheduling adjustments for this project.
- C. Following the Pre-Construction Meeting, the Contractor shall submit a revised schedule (if needed) no later than one week after the meeting.

#### **3.2 WORK AREA PROTECTION – ABATEMENT ZONE**

- A. Where necessary deactivate electrical power. Provide GFCI devices, temporary power, and temporary lighting installed in compliance with the applicable electrical codes. All installations are to be made by a State of Connecticut-licensed electrician, permitted as required, and located outside the work areas.
- B. Deactivate and/or isolate heating, ventilating, and air conditioning (HVAC) air systems or zones to prevent contamination and contaminant dispersal within the structure. During the work, vents around the work area shall be completely sealed with duct tape and two layers of 6-mil thick poly.
- C. Completely seal all openings, including, but not limited to, HVAC air intake sources, doorways adjacent to removal,, ducts, grills, diffusers, and any other penetration of the work areas, with poly a minimum of 6-mil thick, sealed with duct tape, to create isolation barriers.
- D. Post warning signs in accordance with OSHA Title 29 CFR, Part 1910.1200 at all approaches to the work area(s). Signs shall be conspicuously posted to permit a person to read signs and take precautionary measures to avoid exposure to PCBs or other Toxic or Hazardous Substances. These signs should include the large PCB M<sub>L</sub> markers at each entrance to the work area.
- E. Install ground protection to prevent debris from escaping the abatement zone and to protect areas outside of abatement zone from PCB-contamination. Protection shall include the use of 6-

mil poly securing fastened to the ground. Edges shall be raised to prevent water run-off used for dust control during abatement.

- F. Ground protection and isolation barriers shall remain in place throughout work to collect dust and debris resulting from PCB removal. Any tears or rips that occur in protections shall be repaired or removed and replaced with new protections.

### 3.3 DECONTAMINATION SYSTEM

- A. The Contractor shall establish on-site, a remote decontamination enclosure consisting of equipment room, shower room, and clean room in series.
- B. Access between rooms in the decontamination system shall be through double flap-curtained openings. The clean room, shower and equipment rooms within the decontamination enclosure shall be completely sealed.
- C. Construct the decontamination system with plastic, wood, or metal framing and cover both sides with a double layer of 6-mil poly, completely sealed with spray adhesive or tape at the joints.
- D. The Contractor and the Consultant shall visually inspect barriers routinely to assure effective seal, and the Contractor shall repair defects immediately.

### 3.4 PCB-CONTAINING MATERIAL REMOVAL PROCEDURES

- A. The Contractor shall have a designated "competent person" on the Site at all times to ensure proper work practices throughout the project.
- B. The Contractor shall regulate the work area as required for compliance with OSHA Title 29 CFR, Part 1910.1200 to prohibit non-trained workers from entering areas where PCBs are to be removed.
- C. The Contractor shall establish worker decontamination unit remote from the work area.
- D. Materials shall be removed in a manner that does not break down the materials into fine dust or powder to the extent feasible. Equipment and tools to be utilized shall include hand tools and mechanical equipment, such as demolition hammers to remove materials from adjacent substrates. Mechanical removal equipment shall as appropriate be fitted with HEPA-filtered vacuum attachments.
- E. The use of minimal quantities of water to moisten the generated dust prior to collection shall be utilized. Under no circumstances shall the PCB waste show evidence of free liquid water, pooling, or ponding within the waste stream. Any liquid used to wet the dust and debris to control fugitive emissions shall be properly containerized for disposal.
- F. Dry or brittle PCB-Containing Materials shall be removed with additional engineering controls, such as use of HEPA-filtered vacuum equipment to remove accumulated dust or debris during removal.
- G. Remove and containerize all visible accumulations of PCB-containing and/or PCB-contaminated debris. Waste shall be containerized in labeled and signed 6-mil poly disposable bags. Tie wraps for bags shall be plastic, 5-inches long (minimum), pointed and looped to

secure filled plastic bags. Disposal bags shall then be placed in steel 55-gallon DOT-approved drums.

- H. At any time during PCB abatement should the Consultant suspect contamination of areas outside the work area(s), they shall issue a stop work order until the Contractor takes the required steps to decontaminate these areas, and to eliminate the causes of such contamination. Unprotected individuals shall be prohibited from entering suspected contaminated areas until air sampling and visual inspections indicate acceptable decontamination.
- I. The Consultant shall conduct a final visual inspection of the work area. If residual suspect PCB-containing debris is identified during the final inspection, the Contractor shall comply with the Consultant's request to render the area clean of all residual PCB.

### 3.5 CLEANING AND DECONTAMINATION

- A. The Contractor shall be responsible for complete cleaning and decontamination of the Abatement Zone upon completion of work. The Abatement Zone will be required to meet proposed final visual inspection requirements.
- B. The Contractor shall utilize HEPA-filtered vacuum equipment and wet cleaning products to remove all visible dust and debris from all surfaces within the work area. If specialty cleaning products are utilized, the Contractor shall utilize products in accordance with manufacturer's specifications including any additional safety and disposal requirements for such use.
- C. Any liquid used to wet the dust and debris to control fugitive emissions shall be collected and containerized for disposal as PCB Waste.
- D. All rags and other cleaning materials used to clean shall also be properly disposed of as PCB Waste. All PCB Waste shall be stored for disposal in accordance with EPA Title 40 CFR, Part 761.61(a)(5)(v)(A). All waste containers shall be appropriately marked and labeled in accordance with EPA Title 40 CFR, Parts 761.40 and 761.45.
- E. Equipment to be utilized in connection with the removal of PCB-Containing Materials including waste collection or that will or may come in direct contact with the Site contaminants shall be decontaminated prior to leaving the Site to prevent migration of the contaminated residues. Decontamination shall be in accordance with EPA Title 40 CFR, Part 761.79 and Subpart S procedures.
- F. All non-disposable equipment and tools employed during the Work shall be decontaminated at the conclusion of each work day utilizing the following sequence:
  - 1. Initial tap water rinse to remove gross debris
  - 2. Tap water and hexane or equivalent wash
  - 3. Tap water rinse
  - 4. Second tap water and hexane or equivalent wash
  - 5. Second tap water rinse
- G. The wash water and decontamination liquids shall be captured and containerized in DOT-approved 55-gallon drums for off-site disposal as PCB waste.

### 3.6 CONSULTANT'S RESPONSIBILITIES

- A. The Contractor shall monitor air quality within the work area to ascertain the protection of employees, and to comply with OSHA regulations.
- B. The Consultant's project monitor shall provide continual evaluation of the condition of the building during removal, using their best professional judgments in respect to CTDEEP guidelines.

### 3.7 CONSULTANT'S INSPECTION RESPONSIBILITIES

- A. Consultant may conduct inspections throughout the progress of the removal project. Inspections may be conducted to document the progress of the removal work, as well as the procedures and practices employed by the Contractor.
- B. The Consultant may perform the following inspections during the course of abatement activities:
  - 1. Pre-commencement Inspection. Pre-commencement inspections shall be performed at the time requested by the Contractor. The Consultant shall be informed 12 hours prior to the time the inspection is needed. If deficiencies are identified during the pre-commencement inspection, the Contractor shall perform the necessary adjustments to obtain compliance.
  - 2. Work Area Inspection. Work area inspections may be conducted on a daily basis at the discretion of the Consultant. During the work inspections, the Consultant shall observe the Contractor's removal procedures, verify isolation barrier integrity, assess project progress, and if deficiencies are noted, inform the Contractor of specific remedial activities.
- C. The Consultant shall perform the following inspections during the abatement activities:
  - 1. Final Visual Inspection. At the Contractor's request, the Consultant shall conduct a final visual inspection of the work area. The final visual inspection shall be conducted after completion of the final cleaning procedures. The final visual inspection shall verify that all PCB-Containing Material and residual debris have been removed from the work area. If the Consultant identifies residual dust or debris during the inspection, the Contractor shall comply with the request of the Consultant to render the area "dust free."

### 3.8 MARKING OF WASTE CONTAINERS

- A. All waste containers must be marked with the name of the waste contained, the date in which the first material was placed in the vessel, and the last date at which addition of waste occurred. All waste containers must be marked with a large PCB M<sub>L</sub> marker.
- B. All waste containers containing PCB waste and contaminated debris, containment system components, used PPE, personal and equipment wash water and decontamination fluids, or other wastes generated during the abatement work shall be labeled as follows:

DOT Class 9 UN3432 (solid)  
Or UN2315 (liquid) PCB Waste  
RQ

Waste for Disposal

Federal law prohibits improper disposal.

If found, contact the nearest police or public safety authority or  
The U.S. Environmental Protection Agency.

Generator's Information: \_\_\_\_\_

Manifest Tracking No.: \_\_\_\_\_

Accumulation Start Date: \_\_\_\_\_

EPA ID No.: \_\_\_\_\_

EPA Waste No.: \_\_\_\_\_

Total Weight: \_\_\_\_\_

Container No.: \_\_\_\_\_

HANDLE WITH CARE

- C. In addition, these containers must be marked with a PCB M<sub>L</sub> marker.
- D. Such marking must be durable, in English and printed on or affixed to the surface of the package on a label, tag or sign, be displayed on a background of sharply contrasting color, be un-obscured by labels or attachments, and be located away from any other marking (such as advertising) that could substantially reduce its effectiveness.

### 3.9 ON-SITE WASTE MANAGEMENT AND DISPOSAL OF SOLID HAZARDOUS WASTES

- A. The materials as identified in Polychlorinated Biphenyls Removal and Disposal Section 02 84 33, 1.10 Scope of Work contain PCBs and were classified as PCB-Containing Materials < 50 PPM. TCLP analysis is necessary to satisfy landfill requirements for waste characterization. The Owner's Consultant shall collect waste characterization samples for TCLP PCB analysis of the presumed PCB Bulk Product Material and PCB Remediation Waste which is anticipated to be required by the disposal site the Contractor identifies. The Contractor shall factor in time for TCLP testing, TCLP analysis and staging of waste as necessary to complete the waste profile and subsequent landfill facility acceptance of waste.
- B. Please note that the black door window glazing compound and beige window glazing compound also contain asbestos. Please refer to Asbestos Abatement Section 02 82 13 for additional information.
- C. All solid waste material, containment system components, used PPE, and other solid wastes generated during the Work, shall be placed directly in appropriate waste receptacles immediately upon removal from its in-situ position. Suitable waste receptacles may consist of roll-off containers or DOT-approved 55-gallon drums.
- D. The Contractor shall be responsible for all packaging, labeling, transport, disposal, and record-keeping associated with PCB or PCB-contaminated waste in accordance with all federal, state, and local regulations.
- E. The Contractor shall ensure that the person transporting the waste holds a valid permit issued in accordance with appropriate federal, state, and local regulations.

- F. The Contractor shall provide to the transporter at the time of transfer appropriate shipping records or uniform waste manifests as required by the federal, state, and local regulations with a copy to the Owner and Consultant.
- G. The Contractor shall maintain proper follow-up procedures to assure that waste materials have been received by the designated waste site in a timely manner, and in accordance with all federal, state, and local regulations.
- H. The Contractor shall assure that disposal of PCB waste material is at a facility approved to accept such waste and shall provide a tracking/manifest form signed by the landfill's authorized representative.
- I. If roll-off containers are to be utilized for containerization of the abatement wastes the following shall apply:
  - 1. All roll-off containers or other similar vessels utilized shall be watertight, and lined with 6-mil poly or equivalent impermeable lining, and equipped with a secured and impermeable cover.
  - 2. The impermeable cover shall remain securely in-place at all times when material is not being actively placed in the vessels. The Contractor shall be responsible for ensuring that the cover remains securely intact until the container is removed from the Site.
- J. If 55-gallon drums are to be utilized for waste containerization, the drums shall consist of suitable DOT-approved 55-gallon drums that are watertight and free of corrosion, perforations, punctures, or other damage. All drums shall be securely covered and sealed at the conclusion of each work day.
- K. The waste containers shall remain staged at the Site with a secure impermeable cover in place until the materials are transported from the Site to be delivered to the designated waste disposal facility.
- L. A waste roll-off and barrel staging area shall be designated prior to initiation of the abatement work and approved by the Owner and Consultant.
- M. PCB-containing materials shall be transported to a disposal facility meeting one of the requirements below:
  - 1. A facility permitted, licensed, or registered by a State to manage municipal solid waste subject to EPA Title 40 CFR, Part 761.258.
  - 2. A facility permitted, licensed, or registered by a State to manage non-municipal non-hazardous waste subject to EPA Title 40 CFR, Parts 761.257.5 - 257.30, as applicable; or
  - 3. A hazardous waste landfill permitted by EPA under Section 3004 of RCRA, or by a State authorized under Section 3006 of RCRA.
- N. Waste manifests must indicate chain-of-custody. Provide required copies for wastes to the Owner and Consultant as required. Provide copies of waste manifests to waste generation State and waste destination State, as required.
- O. Any PCB liquid water waste shall be properly containerized and decontaminated in accordance with EPA Title 40 CFR, Part 761.79 (b)(1), or disposed in accordance with EPA Title 40 CFR, Part 761.60(a).



- P. Any chemicals, solvents or other products used during decontamination shall be properly containerized as PCB liquid waste. Waste must be properly decontaminated in accordance with EPA Title 40 CFR, Part 761.79 (b)(1), or disposed in accordance with EPA Title 40 CFR, Part 761.60(g).
- Q. All contaminated waste shall be carefully loaded on trucks or other appropriate vehicles for transport. Before and during transport, care shall be exercised to insure that no unauthorized persons have access to the waste materials.
- R. Waste transporters are prohibited from “back hauling” any freight after the PCB waste disposal, until decontamination of the vehicle and/or trailer is assured.

END OF SECTION 02 84 33



## SECTION 02 84 34 – POLYCHORINATED BIPHENYL BULK PRODUCT ABATEMENT

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. General Provisions of Contract, including General Supplementary Conditions, shall apply to this Section.
- B. Fuss & O’Neill, Inc. (Fuss & O’Neill) Limited Hazardous Building Materials Inspection Report dated October 31, 2023 (Attachment A ).
- C. Unit Prices Section 01 22 00.
- D. Asbestos Abatement Section 02 82 13.
- E. Asbestos Roofing Abatement Section 02 82 14.
- F. Lead-Based Paint Awareness Section 02 83 19.
- G. Handling of Lighting Ballasts and Lamps containing PCBs and Mercury Section 02 84 16.
- H. < 50 PPM Polychlorinated Biphenyl Abatement Section 02 84 33.

#### 1.2 CONSULTANT

- A. The Owner shall retain a Consultant for the purposes of project management and monitoring during Polychlorinated Biphenyl (PCB) Bulk Product Waste Abatement. The Consultant will represent the Owner in all phases of the abatement project at the discretion of the Owner. The PCB Abatement Contractor, Asbestos Abatement Contractor, and/or Demolition Contractor (collectively the “Contractor”) shall regard the Consultant's direction as authoritative and binding as provided herein, in matters particularly, but not limited to the following:
  - 1. Work area approval
  - 2. Monitoring results review
  - 3. Various segments of work completion
  - 4. Abatement final completion
  - 5. Data submission review
  - 6. Daily field punch list items

#### 1.3 SCOPE OF WORK

- A. Work outlined in this Section includes all work necessary for the removal and disposal of the greater than or equal to ( $\geq$ ) 50 parts per million (ppm) PCB-containing material (PCB Bulk Product Waste herein) impacted during the demolition (the “Work”) at 818-850 Silver Lane, East Hartford, Connecticut (the “Site”).
- B. The Work of this Section includes the following:

1. Site preparation and controls to facilitate remediation of PCB Bulk Product Waste. Containment procedures for materials referenced for the abatement zone must be utilized for PCB Bulk Product Waste removal.
2. Health and Safety in accordance with Occupational Safety and Health Administration (OSHA) requirements.
3. Removal, packaging, transportation, and disposal of yellow stair tread glue, black floor mastic, and exterior window glazing compounds as PCB Bulk Product Waste at a facility permitted to accept PCB Bulk Product Waste. Note that these materials contain > 1% asbestos.
4. Removal, packaging, transportation, and disposal of containment, personal protection equipment (PPE), cleaning materials and supplies, and waste generated during removal of PCB Bulk Product Waste as PCB Remediation Waste at a facility permitted to accept PCB Remediation Waste.
5. Cleaning of the work areas following complete removal of PCB Bulk Product Waste and PCB Remediation Waste.
6. Recordkeeping and distribution as required in accordance with EPA Title 40 CFR, Part 761.125 (c)(5).

#### 1.4 USE OF THE CONTRACT DOCUMENTS

- A. It shall be incumbent upon the Contractor to visit the Site and determine what exists, its condition, and what will be required to accomplish the Work intended by the Contract Documents. No increase in the Contract Sum will be permitted as a result of the Contractor's failure to visit the Site and understand the existing conditions.
- B. All work shall comply with the Contract Documents and with applicable codes, laws, regulations, and ordinances wherever applicable. The most stringent of all the foregoing shall govern the Work.
- C. It is not intended that the Specifications show every detail of the Work, but the Contractor shall be required to furnish within the Contract Sum all materials and labor necessary for the completion of the Work in accordance with the intent of the Specifications.
- D. In case of ambiguity among the Contract documents, the more stringent requirement as determined by the Consultant shall prevail.
- E. The Work of this Contract includes making modifications as necessary, subject to approval by Owner in consultation with the Consultant, to correct any conflicts between Contract Documents.
- F. All items not specifically mentioned in the Specifications, but implied by trade practices to complete the Work, shall be included.

#### 1.5 SITE EXAMINATION

- A. It is understood that the Contractor has examined the Site and made their own estimates of the Site facilities and difficulties attending the execution of the Work and has based their bid price thereon.
- B. Except for unforeseeable concealed conditions as determined by the Consultant, the Contractor shall make no claim for additional cost due to the existing Site conditions.

## 1.6 CONTRACTOR QUALIFICATIONS

- A. All bidders shall submit a record of prior experience in PCB Bulk Product Waste abatement projects, listing no less than three completed projects in the past year, with all projects of similar size and scope. The Contractor shall list the experience and training of the project supervisor and all on-site personnel. The information to be included is as follows:
  - 1. Project Name and Address
  - 2. Owner's Name and Address
  - 3. Architect/Consultant
  - 4. Contract Amount
  - 5. Date of Completion
  - 6. Extras and Changes
- B. Submit a written statement regarding whether the Contractor has ever been cited for non-compliance with federal or state regulations pertaining to worker protection, removal, transport, or disposal related to PCBs or other hazardous materials.

## 1.7 CONSTRUCTION PROGRESS SCHEDULE

- A. To ensure adequate planning and execution of the Work and to assist the Consultant in reviewing the justification for the Contractor's applications for payment, the Contractor shall prepare and maintain a detailed Progress Schedule.
- B. The Contractor shall supervise and direct all work of theirs and other trades using their best skill and attention. The Contractor shall be solely responsible for all construction means, methods, techniques, sequences, and procedures and for coordinating all portions of the Work under the Contract.
- C. Due to the nature of this construction work, the scheduling or phasing of work under this Contract may be adjusted by the Owner. As long as the scope of work is not altered, adjustments to the project phasing shall have no effect on the contract price.
- D. The Contractor and any Subcontractors shall attend a pre-construction meeting. The assigned Supervisor must attend this meeting.

## 1.8 TESTING LABORATORY SERVICES

- A. The Contractor shall submit to the Consultant the name, address, and qualifications of proposed laboratories intended to be utilized for sample analysis, as required by this Section.

## 1.9 ADDITIONAL GENERAL REQUIREMENTS

- A. The Contractor shall employ a competent Supervisor with at least three years of experience on projects of similar scope and magnitude, who shall be responsible for all work involving  $\geq 50$  ppm PCB abatement, as described in this Specification, and defined in applicable regulations, and have full-time daily supervision of the same. The Supervisor shall be the competent person as defined by OSHA regulations.
- B. The Contractor shall furnish all labor, materials, facilities, equipment, installation services, employee training, permits, licenses, certifications, agreements, and incidentals necessary to

perform the specified work. Work shall be performed in accordance with the Contract Documents, the latest regulations from OSHA, the United State Environmental Protection Agency (EPA), and all other applicable federal, state, and local agencies. Whenever the requirements of the above references conflict or overlap, the more stringent provision shall apply.

- C. All project personnel engaged in the work covered under this Section shall be trained in accordance with OSHA Title 29 CFR, Parts 1910.1000 and 1910.1200.
- D. This Section specifies the procedures for removal of an existing material containing PCBs  $\geq 50$  ppm, in the form of yellow stair tread glue, black floor mastic, and exterior window glazing compounds as PCB Bulk Product Waste. Note that these materials contain  $> 1\%$  asbestos.
- E. This Section also specifies the procedures for removal of containment, PPE, cleaning materials and supplies, and waste generated during removal of PCB Bulk Product Waste and disposal of containment, PPE, cleaning materials and supplies, and waste generated during removal of PCB Bulk Product Waste as PCB Remediation Waste.
- F. Subsequent cleaning of all adjacent surfaces upon completion of Work is also included in this Section.
- G. Disturbance or removal of PCB-containing material may cause a health hazard to workers and building occupants. The Contractor shall disclose to workers, supervisory personnel, sub-contractors, and consultants who will be at the Site of the seriousness of the hazard and proper work procedures that must be followed.
- H. During performance of the Work, workers, supervisory personnel, Subcontractors, or consultants who may encounter, disturb, or otherwise function in the immediate vicinity of the PCB-containing material, shall take continuous measures as necessary to protect workers from the hazard of exposure. Such measures shall include the procedures and methods described in this Section, OSHA regulations, EPA regulations, and local requirements, as applicable.
- I. If requested or required by local, state, federal, and any other authorities having jurisdiction over such work, the Contractor shall allow the Work of this Contract to be inspected. The Contractor shall immediately notify the Owner and the Consultant and shall maintain written evidence of such inspection for review by the Owner and the Consultant.
- J. The Contractor shall incur the cost of all fines resulting from regulatory non-compliance, as issued by federal, state, and local agencies. The Contractor shall incur the cost of all work requirements mandated by federal, state, and local agencies as a result of regulatory non-compliance, or negligence.
- K. The Contractor shall immediately notify the Owner and Consultant of the delivery of all permits, licenses, certificates of inspection, of approval, or occupancy, etc., and any other such instruments required under codes by authorities having jurisdiction, regardless of who issued, and shall cause them to be displayed to the Owner and Consultant for verification and recording.

1.10 PROJECT DESCRIPTION

- A. The base bid includes the removal, packaging, transporting, and disposal of the PCB Bulk Product Waste and PCB Remediation Waste as identified herein, conducted by workers in accordance with OSHA, EPA, and Connecticut Department of Energy and Environmental Protection (CTDEEP) regulations. The base bid will include the cost for removal, packaging, transporting, and disposing PCB- Bulk Product Waste and PCB Remediation Waste.
- B. The quantities listed herein are estimates only and should be verified on-site by the Contractor.
- C. This bid includes the following PCB Bulk Product Waste and PCB Remediation Waste:

**BASE BID – PRESUMED AND CONFIRMED PCB BULK PRODUCT WASTE**

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
Building 3 South, Door window 1	White door window glazing compounds Includes Removal, Packaging, Transporting, & Disposing as PCB Bulk Product Waste	175 LF	1, 2
Building 3 South, Door window 2	White door window glazing compounds Includes Removal, Packaging, Transporting, & Disposing as PCB Bulk Product Waste	175 LF	1, 2
Building 3 South, Door window 2	White door window glazing compounds Includes Removal, Packaging, Transporting, & Disposing as PCB Bulk Product Waste	175 LF	1, 2
Building 4 South, Window above door	White window glazing compounds Includes Removal, Packaging, Transporting, & Disposing as PCB Bulk Product Waste	20 LF	1, 3
Building 4 South, Window above door	White window glazing compounds Includes Removal, Packaging, Transporting, & Disposing as PCB Bulk Product Waste	20 LF	1, 3
Building 2 Center of N wall and 40' W edge of N wall	Gray original horizontal wall joint caulk Includes Removal, Packaging, Transporting, & Disposing as PCB Bulk Product Waste	50 LF	1, 4
Building 2 10' N of B1 on W wall, Center of N wall, 10' E of W edge on N wall, and 10' S of N edge on E wall	White horizontal wall joint repair caulk Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM and Presumed PCBs Bulk Product Waste	200 LF	1, 4
Building 2 Center of N wall, East end of North wall, and N edge of E wall	White caulk between door frame and CMU Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM and Presumed PCBs Bulk Product Waste	20 LF	1, 4
Building 3 Center of North wall and 320' E of B4	Gray caulk from vertical wall seam Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM and Presumed PCBs Bulk Product	15 LF	1, 4

Notes:

- 1. Quantities shall be verified by Contractor during the time of the walk-through. Discrepancies of amounts and/or locations of asbestos-containing materials shall be addressed prior to bidding the work to the Owner and Consultant.

2. Contractor shall remove the complete door: wrap in two-layers of 6 Mill Poly and dispose of it as PCB Bulk Product Waste.
3. Contractor shall remove the complete window including metal window frame: wrap in two-layers of 6 Mill Poly and dispose of it as PCB Bulk Product Waste.
4. Presumed PCB Bulk Product Waste.

**BASE BID – PCB REMEDIATION WASTE**

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY
Throughout	Containment, PPE, Cleaning Materials & Supplies, & Waste Generated During Removal of PCB Bulk Product Waste	ALL

- D. Safety Data Sheets (SDS) for chemicals to be used during the project must be submitted to the Consultant prior to Site delivery.
- E. The Contractor shall be responsible for providing temporary water, power, and heat as needed at the Site. Temporary lighting within the work areas must be connected to Ground Fault Circuit Interrupter (GFCI) power panels, installed by a State of Connecticut-licensed electrician, permitted as required, and located outside of the work area.

1.11 DEFINITIONS

- A. The following definitions relative to PCB abatement shall apply:
  1. Abatement - Procedures to control PCB release from PCB Bulk Product Waste and PCB Remediation Waste; includes removal, encapsulation, and enclosure.
  2. Air Monitoring - The process of measuring PCB concentrations of an area or exposure of a person.
  3. CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act (Title 42 CFR, Parts 9601-9657).
  4. Chemical Waste Landfill - A landfill at which protection against risk of injury to health or the environment from migration of PCBs to land, water, or the atmosphere is provided from PCBs and PCB Items deposited therein by locating, engineering, and operating the landfill as specified in EPA Title 40 CFR, Part 761.75.
  5. Cleanup Site - The areal extent of contamination and all suitable areas in very close proximity to the contamination necessary for implementation of a cleanup of PCB Remediation Waste, regardless of whether the Site was intended for management of waste.
  6. Competent Person - As defined by OSHA, a representative of the Contractor who is capable of identifying existing PCBs hazards in the workplace and selecting the appropriate control strategy for PCB exposure. Person who has authority to take prompt corrective measures to eliminate such hazards during PCB removal.
  7. Consultant - Fuss & O’Neill, Inc.
  8. Containment - An enclosure within the building which establishes a contaminated area and surrounds the location where PCB and/or other toxic or hazardous substance removal is performed and establishes a Control Work Area.
  9. Designated Facility - An off-site disposer or commercial storer of PCB-containing waste designated on the manifest as the facility that will receive a manifested shipment of PCB containing waste.
  10. Disposal - An intentional or accidental act of discarding, throwing away, completing, or terminating the useful life of PCBs and PCB-containing items. Disposal includes spills,



- leaks, and other uncontrolled discharges of PCBs, as well as actions related to containing, transporting, destroying, degrading, decontaminating, or confining PCBs and PCB items.
11. DOT - The United States Department of Transportation.
  12. EPA Identification Number - The 12-digit number assigned to a facility by EPA upon notification of PCB waste activity under EPA Title 40 CFR, Part 761.205.
  13. Excluded PCB Product - A PCB-containing material which is determined by laboratory analysis to contain concentrations of PCBs less than 50 ppm, and meets the requirements of EPA Title 40 CFR, Part 761.3.
  14. Fixed Object - Mechanical equipment, electrical equipment, fire detection systems, alarms, or all other fixed equipment, fixtures, or items which cannot be removed from the work area.
  15. Generator of PCB Waste - Any person who acts, processes, or produces PCBs that are regulated for disposal under EPA Title 40 CFR, Part 761, Subpart D, whose act first causes PCBs or PCB-containing -items to become subject to the disposal requirements of EPA Title 40 CFR, Part 761, Subpart D, or who has physical control over the PCBs when a decision is made that the use of the PCBs has been terminated, and is therefore subject to the disposal requirements of EPA Title 40 CFR, Part 761, Subpart D. Unless another provision of EPA Title 40 CFR, Part 761 specifically requires a site-specific meaning, “generator of PCB waste” includes all of the sites of PCB waste generation owned or operated by the person who generates PCB waste.
  16. GFCI - Ground Fault Circuit Interrupter.
  17. HEPA - High Efficiency Particulate Air.
  18. HEPA Filter - Filter in compliance with ANSI Z9.2 1979.
  19. HEPA Vacuum Equipment - Vacuum equipment equipped with a HEPA filter system for filtering the air effluent.
  20. High Occupancy Area - Any area where PCB Remediation Waste has been disposed on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: 840 hours or more (an average of 16.8 hours or more per week) for non-porous surfaces and 335 hours or more (an average of 6.7 hours or more per week) for PCB Remediation Waste. Examples might include a residence, school, day care center, sleeping quarters, a single or multiple occupancy 40-hours per week work station, a school classroom, a cafeteria in an industrial facility, a control room, or a work station at an assembly line.
  21. Incinerator - An engineered device using controlled flame combustion to thermally degrade PCBs and PCB Items. Examples of devices used for incineration include rotary kilns, liquid injection incinerators, cement kilns, and high temperature boilers.
  22. Laboratory - A facility that analyzes samples for PCBs and is unaffiliated with any entity whose activities involve PCBs.
  23. Large PCB Mark (M<sub>L</sub>) - Mark that includes letters and striping on a white or yellow background and shall be sufficiently durable to equal or exceed the life (including storage for disposal) of the PCB Article, PCB Equipment, or PCB Container. The size of the mark shall be at least six inches (6”) on each side. If the PCB Article or PCB Equipment is too small to accommodate this size, the mark may be reduced in size proportionately down to a minimum of two inches on each side.
  24. Liquid PCBs - A homogenous flowable material containing PCBs, and no more than 0.5 percent by weight of non-dissolved material.
  25. Low Occupancy Area - Any area where PCB Remediation Waste has been disposed on-site, and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is less than 840 hours (an average of 16.8 hours per week) for non-porous surfaces and less than 335 hours (an average of 6.7 hours per week) for PCB Remediation Waste. Examples might include an electrical substation or a location

- in an industrial facility where a worker spends small amounts of time per week (such as an un-occupied area outside a building, an electrical equipment vault, or in the non-office space in a warehouse where occupancy is transitory).
26. Manifest - The shipping document EPA form 8700-22, and any continuation sheet attached to EPA form 8700-22, originated and signed by the generator of PCB-containing waste.
  27. Mark - The descriptive name, instructions, cautions, or other information applied to PCBs, and PCB Items, or other objects.
  28. Marked - The marking of PCB Items and PCB storage areas and transport vehicles by means of applying a legible mark by painting, fixation of an adhesive label, or by any other method that meets the requirements of the EPA Title 40 CFR, Part 761.
  29. Movable Object - Unit of equipment of furniture in the work area that can be removed from the work area.
  30. Municipal Solid Waste - Garbage, refuse, sludges, wastes, and other discarded materials resulting from residential and non-industrial operations and activities, such as household activities, office functions, and commercial housekeeping wastes.
  31. Negative Air Pressure Equipment - A portable local exhaust system equipped with HEPA filtration used to create negative pressure in a regulated area (negative with respect to adjacent unregulated areas), and capable of maintaining a constant, low velocity air flow into regulated areas from adjacent unregulated areas.
  32. Non-Liquid PCBs - Materials containing PCBs that by visual inspection do not flow at room temperature (25°C or 77°F), or from which no liquid passes when a 100 gram or 100 milliliter representative sample is placed in a mesh number 60 ±5 percent paint filter and allowed to drain at room temperature for five minutes.
  33. Non-Porous Surface - A smooth, unpainted solid surface that limits penetration of liquid-containing PCBs beyond the immediate surface. Examples include smooth uncorroded metal, natural gas pipe with a thin, porous coating originally applied to inhibit corrosion, smooth glass, smooth glazed ceramics, impermeable polished building stone such as marble or granite, and high-density plastics, such as polycarbonates and melamines, which do not absorb organic solvents.
  34. On-Site - Within the boundaries of a contiguous property unit.
  35. Owner: Town of East Hartford, Connecticut: An employee or executive who has the principal responsibility for a process, program, or project.
  36. PCB(s) - A chemical substance that is limited to the biphenyl molecule that has been chlorinated to varying degrees or any combination of substances that contain such substance. Refer to EPA Title 40 CFR, Part 761.1(b) for applicable concentrations of PCBs. PCB and PCBs as contained in PCB items are defined in EPA Title 40 CFR, Part 761.3.
  37. PCB Article - A manufactured article, other than a PCB Article Container, that contains PCBs and whose surface(s) has been in direct contact with PCBs. Includes capacitors, transformers, electric motors, pumps, pipes, and other manufactured item which (1) is formed to a specific shape or design during manufacture, (2) has end use function(s) dependent in whole or in part upon its shape or design during end use, and (3) has either no change of chemical composition during its end use, or only those changes of composition that have no commercial purpose separate from that of the PCB Article.
  38. PCB Article Container - A package, can, bottle, bag, barrel, drum, tank, or other device used to contain PCB Articles or PCB Equipment, and whose surface(s) has not been in direct contact with PCBs.
  39. PCB Bulk Product Waste - A waste derived from manufactured products containing PCBs in a non-liquid state, at any concentration where the concentration at the time of designation for disposal is greater than ( $\geq$ ) 50 ppm PCBs. Does not include PCBs or

PCB Items regulated for disposal under EPA Title 40 CFR Parts 761.60(a)-(c), 761.61, 761.63, or 761.64. PCB Bulk Product Waste is further defined in EPA Title 40 CFR, Part 761.3.

40. PCB Capacitor - A capacitor that contains  $\geq 500$  ppm PCBs. Concentration assumptions applicable to capacitors appear under EPA Title 40 CFR, Part 761.2.
41. PCB-Containing Materials - For the purposes of this Work means those materials containing  $< 50$  ppm PCBs, which have been documented as Excluded PCB Products, and are therefore not subject to the requirements of EPA Title 40 CFR, Part 761, but include CTDEEP regulated concentrations of PCBs requiring proper removal and disposal in accordance with this Section.
42. PCB Equipment - A manufactured item, other than a PCB Article Container, which contains a PCB Article or other PCB Equipment, and includes microwave ovens, electronic equipment, and fluorescent light ballasts and fixtures.
43. PCB Item - A PCB Article, PCB Article Container, PCB Container, PCB Equipment, or anything that deliberately or unintentionally contains, or has as a part of it any PCB or PCBs.
44. PCB Remediation Waste - Waste containing PCBs in concentrations greater than 1 ppm as a result of a spill, release, or other unauthorized disposal.
45. PCB Waste(s) - PCBs and PCB Items that are subject to the disposal requirements of EPA Title 40 CFR, Part 761, Subpart D.
46. Porous Surface - A surface that allows PCBs to penetrate or pass into itself including, but not limited to, paint or coating on metal, corroded metal, fibrous glass or glass wool, unglazed ceramics, ceramics with a porous glaze, porous building stone such as sandstone, travertine, limestone, or coral rock, low-density plastics such as Styrofoam™ and low-density polyethylene (poly), coated (varnished or painted) or uncoated wood, concrete or cement, plaster; plasterboard, wallboard, rubber, fiberboard, chipboard, asphalt, or tar paper. For purposes of cleaning and disposing of PCB Remediation Waste, porous surfaces have different requirements than non-porous surfaces.
47. RCRA - The Resource Conservation and Recovery Act (EPA Title 40 CFR, Parts 260 - 265).
48. Regulated Work Area - An area established by the employer to demarcate where PCB abatement is conducted and any adjoining area where debris and waste from such abatement work accumulate.
49. Standard Wipe Sample - A sample collected for chemical extraction and analysis using the standard wipe test as defined in EPA Title 40 CFR, Part 761.123. Except as designated elsewhere in EPA Title 40 CFR, Part 761, the minimum surface area to be sampled shall be 100 square centimeters (cm<sup>2</sup>).
50. Storage for Disposal - Temporary storage area for PCBs that have been designated for disposal.
51. SW-846 - The document having the title "SW-846, Test Methods for Evaluating Solid Waste."
52. Totally Enclosed Manner - A manner that will ensure no exposure of human beings or the environment to the concentration of PCBs.
53. Transfer Facility - A transportation-related facility including loading docks, parking areas, and other similar areas where shipments of PCB waste are held during normal transportation. Transport vehicles are not transfer facilities under this definition, unless they are used for the storage of PCB waste, rather than for actual transport activities. Storage areas for PCB waste at transfer facilities are subject to the storage facility standards of EPA Title 40 CFR, Part 761.65, but such storage areas are exempt from the approval requirements of EPA Title 40 CFR, Part 761.65(d) and the recordkeeping

requirements of EPA Title 40 CFR, Part 761.180, unless the same PCB waste is stored there for a period of more than 10 consecutive days between destinations.

54. Transporter of PCB Waste - For the purposes of Title 40 CFR, Part 761, Subpart K, any person engaged in the transportation of regulated PCB waste by air, rail, highway, or water for purposes other than consolidation by a generator.
55. Transport Vehicle - A motor vehicle or rail car used for the transportation of cargo by any mode. Each cargo-carrying body (e.g., trailer, railroad freight car) is a separate transport vehicle. TSCA means the Toxic Substances Control Act (15 U.S.C. 2601 et seq.).
56. TSCA - The Toxic Substances Control Act (15 U.S.C. 2601 et seq.).

## 1.12 SUBMITTALS

- A. The Contractor shall submit the following to the Consultant in one complete package prior to the pre-construction meeting, and no later than 10 business days prior to the anticipated start of the Work:

1. Site-Specific Health and Safety Plan (HASP): The Contractor shall prepare a site-specific HASP plan for protection of workers and control of the work site in accordance with OSHA regulatory requirements (Title 29 CFR, Part 1910.120). The HASP shall govern all work conducted at the site during the removal of PCB-Containing Materials and related debris, waste handling, sampling, waste management, and waste transportation. At a minimum, the HASP shall address the requirements set forth in OSHA Title 29 CFR, Part 1910.120, as further outlined below:
  - a. Health and Safety Organization
  - b. Site Description and Hazard Assessment
  - c. Training
  - d. Medical Surveillance
  - e. Work Areas
  - f. Personal Protective Equipment
  - g. Personal Hygiene and Decontamination
  - h. Standard Operating Procedures and Engineering Controls
  - i. Emergency Equipment and First Aid Provisions
  - j. Equipment Decontamination
  - k. Air Monitoring
  - l. Telephone List
  - m. Emergency Response and Evacuation Procedures and Routes
  - n. Site Control
  - o. Permit-Required Confined Space Procedures
  - p. Spill Prevention and Countermeasure Contingency Plan (SPCC)
  - q. Heat and Cold Stress
  - r. Recordkeeping
  - s. Community Protection Plan
2. Employee Training, Medical, and Fit Test Documentation: The Contractor submit the following documentation:
  - a. Documentation of 40-Hour OSHA HAZWOPER Training for all employees and Sub-contractors to be used for the removal work.
  - b. Medical clearance and respirator fit test records of each employee who may be on the project site.
3. PCB and or other Toxic or Hazardous Substances Disposal Plan: A written plan that details the Contractor's plan for transportation and disposal of PCB-Containing

Materials, or other Toxic or Hazardous Substance wastes generated during the project. The Disposal Plan shall identify:

- a. The Contractor's insurance certificate and landfill's operating permits and insurance certificates.
  - b. Waste packaging, labeling, placarding, and manifesting procedures.
  - c. The name, address, and 24-hour contact number for the proposed treatment or disposal facility, or facilities to which waste generated during the project will be transported.
  - d. The name, address, contact person(s) and state-specific permit numbers for proposed waste transporters, and EPA and DOT identification number for firms that will transport PCB-Containing Material waste.
  - e. The license plate numbers of vehicles to be used in transporting of the waste from the Site to the disposal facility.
  - f. The route(s) by which the waste will be transported to the designated disposal facility, and states or territories through which the waste will pass.
4. Safety Data Sheets (SDS): SDS and manufacturer's information shall be provided for all chemicals and materials to be used during the project including, but not limited to specialty cleaners and chemical stripping products.
5. Air Sampling Professional Qualifications: The qualifications of the air sampling professional that the Contractor proposed to use for this project to perform OSHA required employee exposure monitoring.
- B. The following documents shall be submitted to the Consultant within 15 working days following removal of waste from the Site:
1. Waste Profile Sheets
  2. Pre-Disposal Analysis Test Results (if required by disposal facility)
  3. Waste Manifests signed by the disposal facility.
  4. Tipping Receipts provided by the disposal facility
  5. Certification of Final Treatment/Disposal signed by the responsible disposal facility official.
- C. The following shall be submitted to the Consultant at the completion of the Work:
1. Disposal Site Receipts: Copy of waste shipment record(s) and disposal site receipt(s) that indicate that PCB-Containing Materials or other Toxic, or Hazardous Substances materials have been properly disposed.
  2. Product Data: Catalog sheets, specifications, and application instructions for any removal products, if used.

#### 1.13 REGULATIONS AND STANDARDS

- A. The Contractor shall be solely responsible for conducting this project and supervising all work in a manner that will be in conformance with all federal, state, and local regulations and guidelines pertaining to PCB abatement. Specifically, the Contractor shall comply with the requirements of the following:
1. EPA TSCA (Title 40 CFR, Part 761).
  2. OSHA Hazardous Waste Operations and Emergency Response Regulations (Title 29 CFR, Parts 1910.120).

3. OSHA Respiratory Protection Standard (Title 29 CFR, Part 1910.134)
4. OSHA Hazard Communication (Title 29 CFR, Part 1910.1200)
5. Department of Transportation (DOT) Hazardous Waste Transportation Regulations (Title 49 CFR, Parts 170 – 180);
6. CTDEEP Regulations.
7. 2003 International Building Code as adopted by the 2005 State of Connecticut Building Code including the 2009, 2011, 2013, 2016, and 2018 amendments.
8. Life Safety Code (National Fire Protection Association [NFPA]); and
9. Local health and safety codes, ordinances or regulations pertaining to PCB remediation and all national codes and standards including American Society for Testing Materials (ASTM), American National Standards Institute (ANSI), and Underwriter's Laboratories (UL).

#### 1.14 POSTING AND RECORD MAINTENANCE REQUIREMENTS

- A. The following items shall be conspicuously displayed proximate but outside of removal work areas.

1. Exit Routes: Emergency exit procedures and routes.
2. Emergency Phone Numbers: A list indicating the telephone numbers and locations of the local hospital(s); the local emergency squad; the local fire department, the local police department, the Poison Control Center, Chemical Emergency Advise (CHEMTREC), the local Department of Health's local office, the Remediation Contractor (on-site and after-hours numbers), and the environmental consultant (on-site and after hours contact numbers).
3. Warning Signs: Warning signs shall be in English and the language of any workers on-site who do not speak English, and be of sufficient size to be clearly legible and display the following or similar language in accordance with OSHA Title 29 CFR, Part 1910.1200:

**WARNING  
HAZARDOUS WASTE WORK AREA  
PCBs-POISON  
NO SMOKING, EATING OR DRINKING  
AUTHORIZED PERSONNEL ONLY  
PROTECTIVE CLOTHING IS REQUIRED IN THIS AREA**

4. In addition, all entrances to work areas shall be posted with a PCB M<sub>L</sub> large marker.

- B. The Contractor shall maintain the following items on-site and available for review by all employees and authorized visitors:

1. Contractor's Site-Specific HASP.
2. Documentation of Training, Medical Clearance, and Fit Test Records for all employees and the project Supervisor.
3. Codes, Standards, and Publications.
4. SDS for all chemicals used during the project.
5. Copies of Contractor's written hazard communication, respiratory protection, and confined space entry programs.

- C. Fees, Permits, and Licenses: The Contractor shall pay all licensing fees, royalties, and other costs necessary for the use of any copyrighted or patented product, design, invention, or processing in the performance of the work specified in this Section.
1. The Contractor shall be solely responsible for costs, damages, or losses resulting from any infringement of these patent rights or copyrights. The Contractor shall hold the Owner and the Consultant harmless from any costs, damages, and losses resulting from any infringement of these patent rights or copyrights.
  2. The Contractor shall be responsible for securing all necessary permits for work under this Section, including hauling, removal, and disposal, fire, and materials usage, or any other permits required to perform the specified work.

#### 1.15 MINIMUM REQUIREMENTS FOR WORKER HEALTH AND SAFETY

- A. The Contractor is responsible and liable for the health and safety of all on-site personnel and the off-site community affected by the Work. All on-site workers or other persons entering the abatement work areas, decontamination areas, or waste handling and staging areas shall be knowledgeable of and comply with the requirements of the site-specific HASP at all times. The Contractor's HASP shall comply with all applicable federal, state, and local regulations protecting human health and the environment from the hazards posed by the Work.
- B. Consistent disregard for the provisions of the HASP shall be deemed as sufficient cause for immediate stoppage of work and termination of the Contract or any Sub-contracts without compromise or prejudice to the rights of the Owner or Consultant.
- C. Any discrepancies between the Contractor's HASP and these Specifications or federal, state, and local regulations shall be resolved in favor of the more stringent requirements that provide the highest degree of protection to the project personnel, the surrounding community, and the environment.
- D. In addition to exposure concerns relating to the presence of PCBs, other health and safety considerations will apply to the Work. The Contractor shall be responsible for recognizing such hazards and shall be responsible for the health and safety of the Contractor's employees at all times. It is the Contractor's responsibility to comply with all applicable health and safety regulations.
- E. The HASP shall be reviewed by all personnel prior to entry into the abatement, decontamination, or waste staging areas. Includes representatives of the Contractor, Owner, Consultant, Subcontractor(s), Waste Transporter or Federal, State, or Local Regulatory Agencies. Such review shall be acknowledged and documented by the Contractor Site Supervisor by obtaining the name, signature, and affiliation of all personnel reviewing the HASP.
- F. The HASP shall be maintained so as to be readily accessible and reviewable by all site personnel throughout the duration of the abatement project, and until all waste materials are removed from the Site and disposed at the appropriate disposal facility.
- G. The Contractor Site Supervisor shall be responsible for ensuring that project personnel and site visitors are informed of and comply with the provisions of the HASP.

## 1.16 WORK AREAS AND ZONES

- A. The Contractor shall lay-out and clearly identify work areas in the field. Access by equipment, site personnel, and the public to the work areas shall be limited as follows:
1. Abatement Zone: The Abatement Zone(s) shall consist of all areas where removal of PCB-Containing Materials and other Toxic or Hazardous Substances, and waste handling and staging activities are on-going and the immediately surrounding locale or other areas where contamination could occur. Each Abatement Zone for purposes of removal of PCB-Containing Materials or other Toxic or Hazardous Substances for disposal shall be performed within a regulated work area (refer to Section 3.02 of this Specification) to demarcate work areas from non-work areas. The regulated work area shall be visibly delineated with appropriate warning signs at all approaches to the area (including a large PCB M<sub>L</sub> marker) and be restricted from access by all personnel except those directly necessary for the completion of the respective abatement tasks. The Abatement Zones shall be relocated and delineated as necessary as work progresses from one portion of the Site to another, to limit access to each area and to minimize risk of exposure to Site workers and the general public. Access shall be controlled at the periphery of the Abatement Zones to regulate the flow of personnel and equipment into and out of each zone and to help verify that proper procedures for entering and exiting are followed. All persons within the Abatement Zones shall wear the appropriate level of protection established in the Contractor's HASP.
  2. Decontamination Zone: The Decontamination Zone is the transition zone between the Abatement Zone and the clean support zone of the project site and is intended to reduce the potential for contaminants from being dispersed from the Abatement Zone to clean areas of the Site. The Decontamination Zone shall consist of a buffer area surrounding each Abatement Zone through which the transfer of equipment, materials, personnel, and containerized waste products will occur, and in which decontamination of equipment, personnel, and clothing will occur. The Decontamination Zones shall be constructed as a three-chamber decontamination unit for workers and a two-chamber equipment room for waste load out as detailed in Section 3.03 of this Specification. All emergency response and first aid equipment shall be readily maintained in this zone. All PPE and clothing shall be removed or decontaminated in the Decontamination Zone prior to exiting the Support Zone.
  3. Support Zone: The Support Zone shall consist of the area outside the Decontamination Zones and the remainder of the project site. Administrative and other support functions and any activities that by nature need not be conducted in the Abatement or Decontamination Zone related to the project shall occur in the Support Zone. Access to the Abatement and Decontamination Zones shall be controlled by the Contractor Site Supervisor and limited to those persons necessary to complete the abatement work, and who have reviewed and signed the HASP.

## 1.17 PERSONNEL PROTECTIVE EQUIPMENT

- A. The Contractor shall be responsible for determining and providing the appropriate level of PPE in accordance with applicable regulations and standards necessary to protect the Contractor's employees from all hazards that are present.
- B. The Contractor shall provide all employees with the appropriate safety equipment and protective clothing to ensure an appropriate level of protection for each task, taking into



consideration the chemical, physical, ergonomic, and biological hazards posed by the Site and Work.

- C. The Contractor shall establish in the HASP criteria for the selection and use of PPE.
- D. The PPE to be utilized for the project shall be selected based upon the potential hazards associated with the Site and the Work. Appropriate PPE shall be worn at all times within the Abatement Zone.
- E. The Contractor shall provide the appropriate level of respiratory protection to all field personnel engaged in activities where respiratory hazards exist, or where there is a potential for such hazard to exist.
- F. The Contractor shall provide, as necessary, protective coveralls, disposable gloves and other protective clothing for all personnel that will be actively involved in abatement activities or waste handling activities, or otherwise present in the Abatement Zones. Coveralls shall be Tyvek™ or equivalent material. Should the potential for exposure to liquids exist, splash resistant disposable suits shall be provided and utilized.
- G. Protective coveralls, and other protective clothing shall be donned and removed within the Decontamination Zone and shall be disposed of at the end of each day. Ripped coveralls shall be immediately replaced after appropriate decontamination has been completed to the satisfaction of the Contractor Site Supervisor. Protective clothing shall not be worn outside of the Decontamination Zone.
- H. Hard hats, protective eyewear, rubber boots, and/or other non-skid footwear shall be provided by the Contractor as required for workers and authorized visitors.
- I. All contaminated protective clothing, respirator cartridges and disposable protective items shall be placed into proper containers to be provided by the Contractor for transport and proper disposal in accordance with CTDEEP regulations.

#### 1.18 EMERGENCY EQUIPMENT AND FIRST AID REQUIREMENTS

- A. At a minimum, the Contractor shall provide and maintain at the Site the following Emergency and First Aid Equipment:
  - 1. Fire Extinguishers: A minimum of one fire extinguisher shall be supplied and maintained at the Site by the Contractor throughout the duration of the Work. Each extinguisher shall be a minimum of a 20-pound Class ABC dry fire extinguisher with Underwriters Laboratory approval per OSHA Title 29 CFR, Part 1910.157.
  - 2. First Aid Kit: A minimum of one first aid kit meeting the requirements of OSHA Title 29 CFR, Part 1910.151 shall be supplied and maintained at the Site by the Contractor throughout the duration of the Work.
  - 3. Communications: Telephone communications (either cellular or land line) shall be provided by the Contractor for use by site personnel at all times during the Work.
- B. The Contractor Site Supervisor shall be notified immediately in the event of personal injury, potential exposure to contaminants, or another emergency. The Contractor Site Supervisor shall then immediately notify the Owner and Consultant.

1.19 STANDARD SAFETY AND HEALTH PROCEDURES AND ENGINEERING CONTROLS

- A. The following provisions shall be employed to promote overall safety, personnel hygiene, and personnel decontamination:
1. Each Contractor or Subcontractor shall ensure that all safety equipment and protective clothing to be utilized by its personnel is maintained in a clean and readily accessible manner at the Site.
  2. All prescription eyeglasses in use on this project shall be safety glasses conforming to ANSI Standard Z87.1. No contact lenses shall be allowed on the Site.
  3. Prior to exiting the delineated Decontamination Zone(s), all personnel shall remove protective clothing, and place disposable items in appropriate disposal containers to be dedicated to that purpose. Following removal of PPE, personnel shall thoroughly wash and rinse their face, hands, arms, and other exposed areas with soap and tap water wash and subsequent tap water rinse. A fresh supply of tap water shall be provided at the Site on each work day by the Contractor for this purpose.
  4. All PPE used on-site shall be decontaminated or disposed of at the end of each work day. Discarded PPE shall be placed in sealed DOT approved 55-gallon drums for off-site disposal.
  5. Respirators shall be dedicated to each employee, and not interchanged between workers without cleaning and sanitizing.
  6. Eating, drinking, chewing gum or tobacco, smoking, and any other practice that increases the likelihood of hand to mouth contact shall be prohibited within the delineated abatement and decontamination work zones. Prior to performing these activities, each employee shall thoroughly cleanse their face, hands, arms, and other exposed areas.
  7. All personnel shall thoroughly cleanse their face hands, arms, and other exposed areas prior to using toilet facilities.
  8. No alcohol, illicit drugs, or firearms will be allowed on the Site at any time.
  9. Contact with potentially contaminated surfaces should be avoided, if possible. Field personnel should minimize walking through standing water/puddles, mud, or other wet or discolored surfaces, kneeling on the ground, and placing equipment, materials, or food on the ground, or other potentially contaminated surface.
  10. The use of the "Buddy System" shall be employed at all times while conducting work at the Site. Each employee shall frequently monitor other workers for signs of heat stress or chemical exposure or fatigue: periodically examine others PPE for signs of wear or damage, routinely communicate with others, and notify the Contractor Site Supervisor in the case of an emergency.
- B. Workers must wear protective suits, protective gloves, eye protection and a minimum of half-face air-purifying respirators with dual HEPA filter cartridges (P100). Respiratory protection shall be in accordance with OSHA Title 29 CFR Part 1910.134 and ANSI Z88.2.
- C. Workers must be trained per OSHA requirements, have medical clearance, and must have recently received pulmonary function test (PFT) and respirator fit test by a trained professional.
1. A personal air sampling program shall be in place, as required by OSHA.
  2. The use of respirators must also follow a complete written respiratory protection program as specified by OSHA.

## **PART 2 - PRODUCTS**

### **2.1 MATERIALS**

- A. Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name and product technical description.
- B. Damaged or deteriorating materials shall not be used and shall be removed from the premises. Material that becomes contaminated with PCBs shall be decontaminated or disposed of as PCB waste.
- C. Polyethylene (poly) sheeting in a roll size to minimize the frequency of joints shall be delivered to the Site with factory label indicating 4 or 6-mil thickness.
- D. Poly disposable bags shall be 6-mil thickness with pertinent pre-printed label. Tie wraps for bags shall be plastic, five inches long (minimum), pointed and looped to secure filled plastic bags.
- E. Tape or adhesive spray will be capable of sealing joints in adjacent poly and for attachment of poly to finished or unfinished surfaces of dissimilar materials, and capable of adhering under both dry and wet conditions, including use of cleaning products.
- F. Cleaning products, such as Capsur™, TechXtract™, or equivalent, shall be utilized at the Contractor's discretion. Cleaning products shall be used in decontaminating porous and non-porous surfaces to remain. All such products shall be utilized in accordance with manufacturer's specifications as intended. The Contractor shall ensure appropriate use and disposal associated with use in accordance with the SDS for each product utilized. The Contractor shall assure proper ventilation and engineering controls to prevent an odor or volatile organic compound (VOC) issue in the building when using specialty cleaning products.
- G. The Contractor shall have available spray equipment capable of mixing wetting agent with water and capable of generating sufficient pressure and volume and having sufficient hose length to reach all areas with PCBs.
- H. The Contractor shall have available enough DOT approved drums for waste disposal.

### **2.2 TOOLS AND EQUIPMENT**

- A. The Contractor shall provide all tools and equipment necessary for PCB removal.
- B. The Contractor's air monitoring professional shall have air-monitoring equipment of type and quantity to monitor operations and conduct personnel exposure surveillance per OSHA requirements.
- C. The Contractor shall have available sufficient inventory or dated purchase orders for materials necessary for the Work including protective clothing, respirators, filter cartridges, poly of proper size and thickness, tape, and air filters.
- D. The Contractor shall provide (as needed) temporary electrical power panels, electrical power cables, and electrical power sources (such as generators). Any electrical connection work

affecting the building electrical power system shall be performed by a State of Connecticut-licensed electrician.

- E. The Contractor shall have available shower stalls and plumbing to support same to include sufficient hose length and drain system or an acceptable alternate.
- F. Vacuum units, of suitable size and capacities for the project, shall have HEPA filter(s) capable of trapping and retaining at least 99.97 percent of all mono-dispersed particles of 0.3 micrometers in diameter or larger.

### **PART 3 - EXECUTION**

#### **3.1 PRE-CONSTRUCTION MEETING**

- A. At least one week prior to the start of work a Pre-Construction Meeting will be scheduled and must be attended by the Contractor and any Sub-contractors. The assigned Contractor Site Supervisor must also attend this meeting.
- B. The Contractor shall present a detailed project schedule and project submittal package at the Pre-Construction Meeting. Variations, amendments, and corrections to the presented schedule will be discussed, and the Owner and Consultant will inform the Contractor of any scheduling adjustments for this project.
- C. Following the Pre-Construction Meeting, the Contractor shall submit a revised schedule (if needed) no later than one week after the meeting.

#### **3.2 WORK AREA PROTECTION – ABATEMENT ZONE**

- A. Where necessary, deactivate electrical power. Provide GFCI devices, temporary power, and temporary lighting installed in compliance with the applicable electrical codes. All installations are to be made by a State of Connecticut-licensed electrician, permitted as required, and located outside the work area.
- B. Post warning signs in accordance with OSHA Title 29 CFR, Part 1910.1200 at all approaches to the work area(s). Signs shall be conspicuously posted to permit a person to read signs and take precautionary measures to avoid exposure to PCBs or other Toxic or Hazardous Substances. These signs should include the large PCB M<sub>L</sub> markers at each entrance to the work area.
- C. Construction containments in accordance with asbestos abatement requirements. See Section 02 82 13 Asbestos Abatement for additional information.
- D. Waste Containers for PCB Bulk Product Waste and PCB Remediation Waste shall be located on-site and shall be placed adjacent to abatement zone. Containers shall be lined, covered, and secured. The PCB waste containers shall be properly marked as described in EPA Title 40 CFR, Part 761.40. Marking shall include a PCB M<sub>L</sub> marker formatted in accordance with EPA Title 40 CFR, Part 761.45.

### 3.3 DECONTAMINATION SYSTEM

- A. The Contractor shall establish on-site, a decontamination enclosure consisting of equipment room, shower room, and clean room in series. Decontamination unit shall be remote for exterior work areas and contiguous for interior work areas.
- B. Access between rooms in the decontamination system shall be through double flap-curtained openings. The clean room, shower and equipment rooms within the decontamination enclosure shall be completely sealed.
- C. Construct the decontamination system with plastic, wood, or metal framing and cover both sides with a double layer of 6-mil poly, completely sealed with spray adhesive and tape at the joints.
- D. The Contractor and the Consultant shall visually inspect barriers routinely to assure effective seal; the Contractor shall repair defects immediately.

### 3.4 PCB BULK PRODUCT WASTE REMOVAL PROCEDURES

- A. The Contractor shall have a designated "competent person" on the Site at all times to ensure proper work practices throughout the project.
- B. The Contractor shall regulate the work area as required for compliance with OSHA Title 29 CFR, Part 1910.1200 to prohibit non-trained workers from entering areas where PCBs are to be removed.
- C. The Contractor shall establish worker decontamination unit remote from the work area.
- D. Materials shall be removed in a manner which does not breakdown the materials into fine dust or powder to the extent feasible. Equipment and tools to be utilized shall include hand tools and mechanical equipment such as demolition hammers, mechanical grinders, etc. to remove materials from adjacent substrates. Mechanical removal equipment shall as appropriate be fitted with HEPA filtered vacuum attachments.
- E. The use of minimal quantities of water to moisten the generated dust prior to collection shall be utilized. Under no circumstances shall the PCB waste show evidence of free liquid water, pooling, or ponding within the waste stream. Any liquid used to wet the dust and debris to control fugitive emissions shall be properly containerized and decontaminated in accordance with EPA Title 40 CFR, Part 761.79(b)(1) or disposed in accordance with EPA Title 40 CFR, Part 761.60(a).
- F. Dry or brittle PCB-Containing Material shall be removed with additional engineering controls such as use of a HEPA filtered vacuum to remove accumulated dust or debris during removal.
- G. Sequence of removal shall follow the following general requirements:
  - 1. Site preparation and controls shall be completed. Work shall not proceed until authorized by the Consultant.
  - 2. PCB Bulk Product Waste shall be removed in entirety for disposal as PCB Bulk Product Waste. Note these materials contain > 1% asbestos.
  - 3. Following removal, cleaning of work area shall be performed followed by a final visual inspection and verification sampling (if applicable) by the Consultant.

4. Following an acceptable final visual inspection and verification sampling, the containment barriers, PPE, clean materials and supplies, and waste generated during removal of PCB Bulk Product Waste shall be containerized for disposal as PCB Remediation Waste.
  - H. Remove and containerize all visible accumulations of PCB Bulk Product Waste and PCB Remediation Waste. Waste shall be containerized in labeled and signed 6-mil poly disposable bags. Tie wraps for bags shall be plastic, 5-inches long (minimum), pointed and looped to secure filled plastic bags. Disposal bags shall then be placed in steel 55-gallon DOT-approved drums.
  - I. At any time during PCB abatement should the Consultant suspect contamination of areas outside the work area, the Consultant shall issue a stop work order until the Contractor takes required steps to decontaminate these areas, and to eliminate the causes of such contamination. Unprotected individuals shall be prohibited from entering suspected contaminated areas until air sampling and visual inspections indicate acceptable decontamination.
  - J. The Consultant shall conduct a final visual inspection of the work area. If residual suspect PCB-containing debris is identified during the final inspection, the Contractor shall comply with the Consultant's request to render the area clean of all residual PCB.
- 3.5 PCB REMEDIATION WASTE –SOIL
- A. All soil designated for removal shall be excavated and transported off-site for disposal as PCB Remediation Waste.
  - B. Soil removal shall be completed in accordance with EPA Title 40 CFR, Part 761.61(a). The remediation goal is to remove PCB contaminated soils to meet clearance concentration of < 1 ppm.
  - C. Post removal verification sampling shall be conducted by consultant, in all excavation areas to demonstrate that the cleanup goals have been successfully met.
  - D. Soil shall be excavated from foundation to a distance of five feet from the foundation base to a depth of two feet.
  - E. During excavation work, use of wetting to control dust and visible emissions shall be required. The Contractor shall ensure that upon completion of soil excavation adjacent masonry surfaces are cleaned of visible dust and soil deposits resulting from PCB contaminated soil removal.
  - F. During excavation work, an excavator or other similar type of equipment shall be used to remove the soil. Equipment utilized for removal shall not be permitted to enter the abatement zone, only the bucket shall be authorized to enter the abatement zone. The vehicle shall not be authorized to enter the work zone due to difficulties in decontaminating wheels that come in contact with contaminated soil.
  - G. All PCB Remediation Waste shall be stored for disposal in accordance with EPA Title 40 CFR, Part 761.65.
  - H. All waste containers shall be appropriately labeled in accordance with EPA Title 40 CFR, Parts 761.40 and 761.45. Marking shall include the PCB M<sub>L</sub> marker.

### 3.6 CLEANING AND DECONTAMINATION

- A. The Contractor shall be responsible for complete cleaning and decontamination of the Abatement Zone upon completion of work. The Abatement Zone will be required to meet proposed final visual inspection requirements.
- B. The Contractor shall utilize HEPA-filtered vacuum equipment and wet cleaning products to remove all visible dust and debris from all surfaces within the work area. If specialty cleaning products are utilized, the Contractor shall utilize the product(s) in accordance with manufacturer's specifications including any additional safety and disposal requirements for such use.
- C. Any liquid used to wet the dust and debris to control fugitive emissions shall be collected and decontaminated in accordance with EPA Title 40 CFR, Part 761.79(b)(1), or disposed in accordance with EPA Title 40 CFR, Part 761.60(a).
- D. All rags and other cleaning materials used to clean the work area shall be properly disposed of as PCB Remediation Waste. All PCB Remediation Waste shall be stored for disposal in accordance with EPA Title 40 CFR, Part 761.61(a)(5)(v)(A). All waste containers shall be appropriately marked and labeled in accordance with EPA Title 40 CFR, Parts 761.40 and 761.45.
- E. Equipment to be utilized in connection with the removal of PCB Bulk Product Waste including waste collection, or that will or may come in direct contact with the Site contaminants shall be decontaminated prior to leaving the Site to prevent migration of the contaminated residues. Decontamination shall be in accordance with EPA Title 40 CFR Part 761.79 and Subpart S procedures.
- F. All non-disposable equipment and tools employed in the Work will be decontaminated at the conclusion of each work day utilizing the following sequence:
  - 1. Initial tap water rinse to remove gross debris.
  - 2. Tap water and hexane or equivalent wash.
  - 3. Tap water rinse.
  - 4. Second tap water and hexane or equivalent wash
  - 5. Second tap water rinse
- G. The wash water and decontamination liquids shall be captured and containerized in DOT approved 55-gallon drums for off-site disposal in accordance with EPA Title 40 CFR, Part 761.60(a).

### 3.7 CONSULTANT'S RESPONSIBILITIES

- A. The Contractor shall monitor air quality within the work area to ascertain the protection of employees and to comply with OSHA regulations.
- B. The Consultant's project monitor shall provide continual evaluation of the condition of the building during removal, using their best professional judgments in respect to EPA and CTDEEP regulations.

### 3.8 CONSULTANT'S INSPECTION RESPONSIBILITIES

- A. Consultant may conduct inspections throughout the progress of the removal project. Inspections may be conducted to document the progress of the removal work, as well as the procedures and practices employed by the Contractor.
- B. The Consultant may perform the following inspections during abatement activities:
  - 1. Pre-commencement Inspection. Pre-commencement inspections shall be performed at the time requested by the Contractor. The Consultant shall be informed 24 hours prior to the time the inspection is needed. If deficiencies are identified during the pre-commencement inspection, the Contractor shall make the necessary adjustments to obtain compliance.
  - 2. Work Area Inspection. Work area inspections may be conducted on a daily basis at the discretion of the Consultant. During the work inspections, the Consultant shall observe the Contractor's removal procedures, verify isolation barrier integrity, assess project progress, and inform the Contractor of specific remedial activities if deficiencies are noted.
- C. The Consultant shall perform the following inspection during abatement activities:
  - 1. Final Visual Inspection. Upon the request of the Contractor, the Consultant shall conduct a final visual inspection of the work area. The final visual inspection shall be conducted after completion of the final cleaning procedures. The final visual inspection shall verify that all PCB Bulk Product Waste residual debris have been removed from the work area. If during the inspection the Consultant identifies residual dust or debris, the Contractor shall comply with the request of the Consultant to render the area "dust free."

### 3.9 CONSULTANT'S VERIFICATION SAMPLING

- A. The Consultant shall perform post-cleaning verification and post-remediation verification sampling as necessary to determine complete removal of PCBs. Refer to the Performance Based Clean-Up and Disposal Plan for requirements for determination of clearance levels.
- B. Once post-cleaning and post-verification sampling has documented the Abatement Zone meets required criteria established in the Performance Based Clean-Up and Disposal Plan, the Contractor shall be permitted to remove decontamination unit, isolation barriers, negative pressure units, etc. These areas shall be subjected to a visual inspection to ensure no visible dust is present.

### 3.10 MARKING OF WASTE CONTAINERS

- A. All waste containers must be marked with the name of the waste contained, the date in which the first material was placed in the vessel, and the last date at which addition of waste occurred. All waste containers must be marked with a large PCB M<sub>L</sub> marker.
- B. All waste containers containing PCB Bulk Product Waste and PCB Remediation Waste in the form of waste and contaminated debris, containment system components, used PPE, personal and equipment wash water and decontamination fluids, or other wastes generated during the abatement work shall be labeled as follows:



DOT Class 9 UN3432 (solid)  
Or UN2315 (liquid) PCB Waste  
RQ

Waste for Disposal

Federal law prohibits improper disposal.

If found, contact the nearest police or public safety authority or  
The U.S. Environmental Protection Agency.

Generator's Information: \_\_\_\_\_

Manifest Tracking No.: \_\_\_\_\_

Accumulation Start Date: \_\_\_\_\_

EPA ID No.: \_\_\_\_\_

EPA Waste No.: \_\_\_\_\_

Total Weight: \_\_\_\_\_

Container No.: \_\_\_\_\_

HANDLE WITH CARE

- C. In addition, these containers must be marked with a PCB M<sub>L</sub> marker.
- D. Such marking must be durable, in English and printed on, or affixed to the surface of the package, or on a label, tag or sign, and displayed on a background of sharply contrasting color, is unobscured by labels or attachments, and located away from any other marking (such as advertising) that could substantially reduce its effectiveness.

### 3.11 ON-SITE WASTE MANAGEMENT AND DISPOSAL OF SOLID HAZARDOUS WASTES

- A. The materials as identified in Polychlorinated Biphenyls Removal and Disposal Section 02 84 34, 1.10 Project Description contain PCBs and were classified as PCB Bulk Product Waste. TCLP analysis is necessary to satisfy landfill requirements for waste characterization. The Owner's Consultant shall collect waste characterization samples for TCLP PCB analysis of the presumed PCB Bulk Product Material and PCB Remediation Waste which is anticipated to be required by the disposal site the Contractor identifies. The Contractor shall factor in time for TCLP testing, TCLP analysis and staging of waste as necessary to complete the waste profile and subsequent landfill facility acceptance of waste.
- B. All solid waste material, containment system components, used PPE, and other solid wastes generated during the Work, shall be placed directly in appropriate waste receptacles immediately upon removal from its in-situ position. Suitable waste receptacles may consist of roll-off containers or DOT approved 55-gallon drums.
- C. The Contractor shall be responsible for all packaging, labeling, transport, disposal, and recordkeeping associated with PCB Bulk Product Waste and PCB Remediation Waste in accordance with all federal, state, and local regulations.
- D. The Contractor shall ensure that the person transporting the waste holds a valid permit issued in accordance with appropriate federal, state, and local regulations.
- E. The Contractor shall provide to the transporter at the time of transfer appropriate shipping records or uniform waste manifests as required by the federal, state, and local regulations with a copy to the Owner and Consultant.

- F. The Contractor shall maintain proper follow-up procedures to assure that waste materials have been received by the designated waste site in a timely manner, and in accordance with all federal, state, and local regulations.
- G. The Contractor shall assure that disposal of PCB Bulk Product Waste and PCB Remediation Waste is at a facility approved to accept such waste(s) and shall provide a tracking/manifest form signed by the landfill's authorized representative.
- H. If roll-off containers are to be utilized for containerization of the abatement wastes the following shall apply:
  - 1. All roll-off containers or other similar vessels utilized shall be watertight and lined with 6-mil poly or equivalent impermeable lining and equipped with a secured and impermeable cover.
  - 2. The impermeable cover shall remain securely in place at all times when material is not being actively placed in the vessels. The Contractor shall be responsible for ensuring that the cover remains securely intact until the container is removed from the Site.
- I. If 55-gallon drums are to be utilized for waste containerization, the drums shall consist of suitable DOT approved 55-gallon drums that are watertight and free of corrosion, perforations, punctures, or other damage. All drums shall be securely covered and sealed at the conclusion of each work day.
- J. The waste containers shall remain staged at the Site with a secure impermeable cover in-place until the materials are transported from the Site to be delivered to the designated waste disposal facility.
- K. Waste roll-off and barrel staging area shall be designated prior to initiation of the abatement work and approved by the Consultant. If this area is located outside of the building, the area (or areas) shall be surrounded by a chain-link fence with a minimum height of six feet. The fence shall be labeled with a PCB M<sub>L</sub> marker.
- L. Properly containerized waste must be transported by a licensed hauler and shipped as PCB Bulk Product Waste for disposal at a permitted soil waste facility in accordance with EPA Title 40 CFR, Part 761.62(b).
- M. PCB Remediation Waste must be transported by a licensed hauler and shipped as PCB Remediation for disposal in accordance with EPA Title 40 CFR, Part 761.61(b) at one of the following a facilities:
  - 1. A hazardous waste landfill permitted by EPA under Section 3004 of EPA RCRA,
  - 2. A State authorized landfill under Section 3006 of EPA RCRA, or
  - 3. A chemical waste landfill approved under EPA Title 40 CFR, Part 761.75.
- N. Provide required copies of the uniform waste manifests for PCB Remediation Waste to the Owner, waste generation State, and waste destination State, as required.
- O. Any PCB liquid water waste shall be properly containerized and decontaminated in accordance with EPA Title 40 CFR, Part 761.79 (b)(1), or disposed in accordance with EPA Title 40 CFR, Part 761.60(a).

- P. Any chemicals, solvents or other products used during decontamination shall be properly containerized as PCB liquid waste. Waste must be properly decontaminated in accordance with EPA Title 40 CFR, Part 761.79 (b)(1), or disposed in accordance with EPA Title 40 CFR, Part 761.60(g).
- Q. All contaminated waste shall be carefully loaded on trucks or other appropriate vehicles for transport. Before and during transport, care shall be exercised to ensure that no unauthorized persons have access to the waste materials.
- R. Waste transporters are prohibited from “back hauling” any freight after the PCB waste disposal, until decontamination of the vehicle and/or trailer is assured.

END OF SECTION 02 84 34



## SECTION 31 2300 - EXCAVATION, BACKFILL, COMPACTION AND DEWATERING

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
  - 1. Excavation, backfill and compaction for subsurface utilities
  - 2. Removal, handling and disposal of rock
  - 3. Earth retention systems
  - 4. Excavation, backfill and compaction for the abandonment of existing pipe and structures
  - 5. Temporary dewatering systems
- B. Related Sections:
  - 1. Section 32 2500, Temporary Controls
  - 2. Section 02 3000, Subsurface Investigations
  - 3. Section 31 2323, Borrow Materials
  - 4. Section 31 2316, Rock Excavation
  - 5. Section 32 1216, Bituminous Concrete Pavement

#### 1.2 REFERENCES

- A. ASTM D1557-07 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft<sup>3</sup> (2,700 kN-m/m<sup>3</sup>))
- B. ASTM D1556-07 - Standard Test Method for Density and Unit Weight of Soil in Place by the Sand-Cone Method
- C. ASTM D2487-06e1 - Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)
- D. ASTM D6938-08a - Standard Test Method for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)
- E. 29 CFR Part 1926 Subpart P - OSHA Excavation Regulations 1926.650 through 1926.652 including Appendices A through F

#### 1.3 DEFINITIONS

- A. Benching - A method of protecting employees from cave-ins by excavating the sides of an excavation to form one or a series of horizontal levels or steps, usually with vertical or near-vertical surfaces between levels.
- B. Earth Retention Systems - Any structural system, such as sheeting and bracing or cofferdams, designed to retain in-situ soils in place and prevent the

collapse of the sides of an excavation in order to protect employees and adjacent structures.

- C. Excavation - Any man-made cut, cavity, trench, or depression in an earth surface, formed by earth removal.
- D. Protective System - A method of protecting employees from cave-ins, from material that could fall or roll from an excavation face or into an excavation, or from the collapse of adjacent structures. Protective systems include earth retention systems, sloping and benching systems, shield systems, and other systems that provide the necessary protection.
- E. Registered Professional Engineer - A person who is registered as a professional engineer in the state where the work is to be performed. However, a professional engineer, registered in any state is deemed to be a "registered professional engineer" within the meaning of this standard when approving designs for "manufactured protective systems" or "tabulated data" to be used in interstate commerce.
- F. Shield System - A structure that is designed to withstand the forces imposed on it by a cave-in and thereby protects employees within the structure. Shields can be permanent structures or can be designed to be portable and moved along as work progresses. Additionally, shields can be either pre-manufactured or job-built in accordance with 29 CFR 1926.652(c)(3) or (c)(4). Shields used in trenches are usually referred to as "trench boxes" or "trench shields."
- G. Sloping - A method of protecting employees from cave-ins by excavating to form sides of an excavation that are inclined away from the excavation so as to prevent cave-ins. The angle of incline required to prevent a cave-in varies with differences in such factors as the soil type, environmental conditions of exposure, and application of surcharge loads.
- H. Temporary Dewatering System – A system to lower and control water to maintain stable, undisturbed subgrades at the lowest excavation levels. Dewatering shall be provided for all pipelines, structures and for all other miscellaneous excavations.
- I. Trench - A narrow excavation (in relation to its length) made below the surface of the ground, of at least three feet in depth. In general, the depth is greater than the width, but the width of a trench (measured at the bottom) is not greater than 15 feet (4.6 m).

#### 1.4 SUBMITTALS

- A. Drawings and calculations for each Earth Retention System required in the Work. The submittal shall be in sufficient detail to disclose the method of operation for each of the various stages of construction required for the completion of the Earth Retention Systems.
  - 1. Submit calculations and drawings for Earth Retention Systems prepared, signed and stamped by a Professional Engineer registered in the state where the work is performed.
- B. Performance data for the compaction equipment to be utilized.

- C. Construction methods that will be utilized for the removal of rock.
- D. Dewatering plan for the excavation locations.

#### 1.5 QUALITY ASSURANCE

- A. All Excavation, Trenching, and related Earth Retention Systems shall comply with the requirements of OSHA excavation safety standards (29 CFR Part 1926 Subpart P), and other State and local requirements. Where conflict between OSHA and State regulations exists, the more stringent requirements shall apply.
- B. The following test procedures will be performed by the Owner's inspection agency. Results will be submitted to the Engineer for review.
  - 1. Modified Proctor Test (ASTM D1557) results and soil classification (ASTM D2487) for all proposed backfill materials at the frequency specified below:
    - a. For suitable soil materials removed during excavation, perform one test for every 1,000 cubic yards of similar soil type. Similarity of soil types will be as determined by the Engineer.
    - b. For borrow materials; perform tests at frequency specified in Section 31 23 23 - Borrow Materials.
  - 2. Compaction test results (i.e. ASTM D6938 or ASTM D1556) at a frequency of one test for every 100 cubic yards of material backfilled. The Engineer will determine the locations and lifts to be tested.
    - a. The Engineer may specify additional compaction testing when there is evidence of a change in the quality of moisture control or the effectiveness of compaction.
    - b. If all compaction test results within the initial 25% of the total anticipated number of tests indicate compacted field densities equal to or greater than 95% of maximum dry density at optimum moisture content, the Engineer may reduce frequency of compaction testing. In no case will the frequency be reduced to less than one test for every 500 cubic yards of material backfilled.
    - c. The Contractor is cautioned that compaction testing by nuclear methods may not be effective where excavation sidewalls impact the attenuation of the gamma radiation or where oversize particles (i.e. large cobbles or coarse gravels) are present. In these cases, other field density testing methods may be required.
- C. Employ the services of a dewatering specialist or firm when well points, deep wells, recharge systems, or equal systems are required. Specialist shall have completed at least 5 successful dewatering projects of equal size and complexity and with equal systems.

## 1.6 PROJECT CONDITIONS

- A. Notify Call Before You Dig (CBYD) at 1-800-922-4455 or 811 and obtain CBYD identification numbers.
- B. Notify utility owners in reasonable advance of the work and request the utility owner to stake out on the ground surface the underground facilities and structures. Notify the Engineer in writing of any refusal or failure to stake out such underground utilities after reasonable notice.
- C. Make explorations and Excavations to determine the location of existing underground structures, pipes, house connection services, and other underground facilities in accordance with Paragraph 3.2.D of this Section.

## PART 2 - PRODUCTS

### 2.1 SOIL MATERIALS

- A. Fill material is subject to the approval of the Engineer and may be either material removed from excavations or borrow from off site. Fill material, whether from the excavations or from borrow, shall be of such nature that after it has been placed and properly compacted, it will make a dense, stable fill.
- B. Satisfactory fill materials shall include materials classified by ASTM D 2487 as GW, GP, GM, GP-GM, GW-GM, GC, GP-GC, SW, and SP.
- C. Satisfactory fill materials shall not contain trash, refuse, vegetation, masses of roots, individual roots more than 18 inches long or more than 1/2 inch in diameter, or stones over 6 inches in diameter. Unless otherwise stated in the Contract Documents, organic matter shall not exceed minor quantities and shall be well distributed.
- D. Satisfactory fill materials shall not contain frozen materials nor shall backfill be placed on frozen material.
- E. Excavated surface and/or pavement materials such as gravel or trap rock that are salvaged may be used as a sub-grade material, if processed to the required gradation and compacted to the required degree of compaction. In no case shall salvaged materials be substituted for the required gravel base.
- F. A Certificate of Clean Fill must be provided to Engineer and Owner for approval prior to delivery of any and all fill material including but not limited to, mineral soil, borrow material, structural fill, processed fill material, loam, or top soil to be placed on site during the course of the Work. The Certificate must include laboratory analytical reports for all material to be used at the site on a basis of one sample per every 500 cubic yards or lesser portions thereof. Analytical reports must demonstrate that the proposed material does not contain detectable concentrations of contaminants including but not limited to; petroleum hydrocarbons, semi volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), pesticides, and/or herbicides and that metals listed in the Connecticut Remediation Standard Regulations do not exceed minimal concentrations deemed allowable by Engineer and Owner. No fill material shall be placed on site until Contractor has received approval from Engineer and/or Owner. Engineer and Owner reserves the right to collect and analyze samples from



any proposed fill material prior to or after delivery to the site and to allow use of off-specification material at their sole discretion.

The Certificate must clearly state the following and be signed by an authorized signatory employed by the Contractor:

1. Volume of material to be used
2. Process by which the material was obtained
3. Location of origin and summary of current and past site uses of the location of origin
4. Statement from Contractor that the analytical reports included with the Certificate represent the specific material to be used at the site
5. Statement that the Contractor does not know or have reason to believe that the proposed fill material contains foreign materials or contaminants.

## 2.2 DEWATERING MATERIALS

- A. Provide haybales and silt fence in accordance with Section 31 25 00.
- B. Provide silt filter bags (Dandy Dewatering Bag, Dirtbag, JMP Environ-Protection Filter Bag, or equal) of adequate size to match flow rate.

## PART 3 - EXECUTION

### 3.1 PREPARATION

- A. Public Safety and Convenience
  1. Take precautions for preventing injuries to persons or damage to property in or about the Work.
  2. Provide safe access for the Owner's and Engineer's representatives at site during construction.
  3. Do not obstruct site drainage, natural watercourses or other provisions made for drainage.

### 3.2 CONSTRUCTION

- A. Earth Retention Systems
  1. Provide Earth Retention Systems necessary for safety of personnel and protection of the Work, adjacent work, utilities and structures.
  2. Maintain Earth Retention Systems for the duration of the Work.
  3. Systems shall be constructed using interlocking corner pieces at the four corners. Running sheet piles by at the corners, in lieu of fabricated corner pieces, will not be allowed.
  4. Drive sheeting ahead of and below the advancing trench excavation to avoid loss of materials from below and from in front of the sheeting.

5. Sheeting is to be driven to at least the depth specified by the designer of the earth retention system, but no less than 2 feet below the bottom of the Excavation.
6. Remove sheeting, unless designated to be left in place, in a manner that will not endanger the construction or other structures. Backfill and properly compact all voids left or caused by the withdrawal of sheeting.
7. Remove earth retention systems, which have been designated by the Engineer to be left in place, to a depth of 3 feet below the established grade.

B. Excavation

1. Perform excavation to the lines and grades indicated on the Drawings. Backfill unauthorized over-excavation in accordance with the provisions of this Section, at no additional cost to the Owner.
2. Excavate with equipment selected to minimize damage to existing utilities or other facilities. Hand excavate as necessary to locate utilities or avoid damage.
3. Sawcut the existing pavement in the vicinity of the excavation prior to the start of excavation in paved areas, so as to prevent damage to the paving outside the requirements of construction.
4. During excavation, material satisfactory for backfill shall be stockpiled in an orderly manner at a distance from the sides of the excavation equal to at least one half the depth of the excavation, but in no case closer than 2 feet.
  - a. Excavated material not required or not suitable for backfill shall be removed from the site.
  - b. Perform grading to prevent surface water from flowing into the excavation.
  - c. Pile excavated material in a manner that will endanger neither the safety of personnel in the trench nor the Work itself. Avoid obstructing sidewalks and driveways.
  - d. Hydrants under pressure, valve pit covers, valve boxes, manholes, curb stop boxes, fire and police call boxes, or other utility controls shall be left unobstructed and accessible until the Work is completed.
5. Make pipe trenches as narrow as practicable and keep the sides of the trenches undisturbed until backfilling has been completed. Provide a clear distance of 12 inches on each side of the pipe.
6. The final 6 inches of excavation and grading of the trench bottom shall be performed by hand so as not to disturb the material below the grade required for setting the pipe or appurtenances.

- a. Where suitable bedding materials will be placed and compacted throughout the length of the trench, hand excavation of the final 6 inches will not be required.
  - b. Grade the trench bottom to provide uniform bearing and support for the bottom quadrant of each section of pipe.
  - c. Excavate bell holes at each joint to eliminate point bearing.
  - d. Remove stones greater than 6 inches in any dimension from the bottom of the trench to avoid point bearing.
7. If satisfactory materials are not encountered at the design subgrade level, excavate unsatisfactory materials to the depth directed by the Engineer and properly dispose of the material. Backfill the resulting extra depth of excavation with satisfactory fill materials and compact in accordance with the provisions of this Section.
  8. Where trenching and backfilling for a new pipe in place of an existing pipe along the same route, removal of the existing pipe shall be included under this item.

C. Backfill and Compaction

1. Unless otherwise specified or indicated on the Drawings, use satisfactory material removed during excavation for backfilling trenches. The Engineer may require stockpiling, drying, blending and reuse of materials from sources on the Project.
2. Spread and compact the material promptly after it has been deposited. When, in the Engineer's judgment, equipment is inadequate to spread and compact the material properly, reduce the rate of placing of the fill or employ additional equipment.
3. When excavated material is specified for backfill and there is an insufficient amount of this material at a particular location on the Project due to rejection of a portion thereof, consideration will be given to the use of excess material from one portion of the Project to make up the deficiency existing on other portions of the Project. Moving this excess material from one portion of the Project and placing it in another portion of the Project will be at no additional cost to the Owner.
  - a. Use borrow material if there is no excess of excavated material available at other portions of the Project.
4. Backfilling and compaction methods shall attain 95% of maximum dry density at optimum moisture content as determined in accordance with ASTM D1557.
5. Do not place stone or rock fragment larger than six inches in greatest dimension in the backfill.
6. Maximum loose lift height for backfilling existing or borrow material shall be 12 inches.

7. Do not drop large masses of backfill material into the trench endangering the pipe or adjacent utilities.
  8. Install pipe in rock excavated trenches on a dense graded stone bedding with a minimum depth of 6 inches. Shape the stone bedding at the pipe bells to provide uniform support. Encase the pipe in the dense graded crushed stone bedding to a grade 6 inches over the top of the pipe and 12 inches on each side of the pipe.
  9. Backfill from the bottom of the trench to the centerline of the pipe with the specified material. This initial backfill is to be placed in layers of no more than 6 inches and thoroughly tamped under and around the pipe. This initial backfilling shall be deposited in the trench for its full width on both sides of the pipe, fittings and appurtenances simultaneously.
  10. Electrical conduit not encased in concrete, shall be backfilled with sand borrow conforming to the requirements of Section 02320. The backfill shall be placed in the trench for its full width and shall extend to 12 inches over the pipe.
  11. Where excavation is made through permanent pavements, curbs, paved driveways or paved sidewalks, or where such structures are undercut by the excavation, place the entire backfill to sub-grade with granular materials and compact in 6 inch layers. Use approved mechanical tampers for the full depth of the trench. If required, sprinkle the backfill material with water before tamping so as to improve compaction.
  12. Place and compact backfill around manholes, vaults, pumping stations, gate boxes or other structures in six inch layers, from a point 1 foot over the pipe. Exercise care to protect and prevent damage to the structures.
  13. Install impervious trench dams where stone borrow is used for pipe bedding to prevent groundwater from following along the stone bedding. Install dams every 100 feet.
- D. Test Pit Excavation
1. General requirements of test pits are specified in Section 02 30 00.
- E. Dewatering
1. Provide, operate and maintain adequate pumping, diversion and drainage facilities in accordance with the approved dewatering plan to maintain the excavated area sufficiently dry from groundwater and/or surface runoff so as not to adversely affect construction procedures nor cause excessive disturbance of underlying natural ground. Locate dewatering system components so that they do not interfere with construction under this or other contracts.
  2. Take actions necessary to ensure that dewatering discharges comply with permits applicable to the Project. Dispose of water from the trenches and excavations in such a manner as to avoid public nuisance, injury to public health or the environment, damage to public or private property, or damage to the work completed or in progress.

3. Repair any damage resulting from the failure of the dewatering operations and any damage resulting from the failure to maintain all the areas of work in a suitable dry condition, at no additional cost to the Owner.
4. Exercise care to ensure that water does not collect in the bell or collar holes to sufficient depth to wet the bell or collar of pipes waiting to be jointed.
5. Take precautions to protect new work from flooding during storms or from other causes. Control the grading in the areas surrounding all excavations so that the surface of the ground will be properly sloped to prevent water from running into the excavated area. Where required, provide temporary ditches for drainage. Upon completion of the work, all areas shall be restored to original condition.
6. Brace or otherwise protect pipelines and structures not stable against uplift during construction.
7. Do not excavate until the dewatering system is operational and the excavation may proceed without disturbance to the final subgrade.
8. Unless otherwise specified, continue dewatering uninterrupted until the structures, pipes, and appurtenances to be installed have been completed such that they will not float or be otherwise damaged by an increase in groundwater elevation.
9. If open pumping from sumps and ditches results in "boils", loss of fines, or softening of the ground, submit a modified dewatering plan to the Engineer within 48 hours. Implement the approved modified plan and repair any damage incurred at no additional cost to the Owner.
10. Where subgrade materials are unable to meet the subgrade density requirements due to improper dewatering techniques, remove and replace the materials in accordance with Section 31 23 23 at no additional cost to the Owner.
11. Notify the Engineer immediately if any settlement or movement is detected of survey points adjacent to excavations being dewatered. If settlement is deemed by the Engineer to be related to the dewatering, submit a modified dewatering plan to the Engineer within 24 hours. Implement the approved modified plan and repair any damage incurred to the adjacent structure at no additional cost to the Owner.
12. Dewatering discharge:
  - a. Install sand and gravel, or crushed stone, filters in conjunction with sumps, well points, and/or deep wells to prevent the migration of fines from the existing soil during the dewatering operation.
  - b. Transport pumped or drained water without interference to other work, damage to pavement, other surfaces, or property. Pump water through a silt filter bag prior to discharge to grade of drainage system.

- c. Do not discharge water into any sanitary sewer system.
  - d. Provide separately controllable pumping lines.
  - e. The Engineer reserves the right to sample discharge water at any time.
13. Install erosion/sedimentation controls for velocity dissipation at point discharges onto non-paved surfaces.
14. Removal
- a. Do not remove dewatering system without written approval from the Engineer.
  - b. Backfill and compact sumps or ditches with screened gravel or crushed rock in accordance with Section 31 23 23.
  - c. Remove well points and deep wells. Backfill abandoned well holes with cement grout having a water cement ratio of 1 to 1 by volume.

END OF SECTION 02 2300

## SECTION 31 2323 - BORROW MATERIALS

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
1. Soil Materials
  2. Ordinary Borrow
  3. Gravel Subbase
  4. Processed Aggregate Base for Bituminous Concrete Pavement
  5. Sand Borrow
  6. Stone Borrow

#### 1.2 REFERENCES

- A. ASTM C136 - Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates.
- B. ASTM C117 - Standard Test Method for Materials Finer than 75  $\mu\text{m}$  (No. 200) Sieve in Mineral Aggregates by Washing.
- C. ASTM D1557 – Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lb./ft<sup>3</sup>).
- D. ASTM D2434 - Standard Test Method for Permeability of Granular Soils (Constant Head).
- E. ASTM D2487 - Standard Classification of Soils for Engineering Purposes (Unified Soil Classification System).
- F. ASTM D2922 - Standard Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth).
- G. ASTM D3017 – Standard Test Method for Water Content of Soil and Rock in Place by Nuclear Methods (Shallow Depth).
- H. AASHTO – Standard Specification for Transportation Materials and Methods of Sampling and Testing, 1986 Edition as amended.
- I. State of Connecticut Department of Transportation “Standard Specifications for Roads, Bridges, and Incidental Construction Form 818”.

#### 1.3 SUBMITTALS

- A. Representative samples of borrow materials taken from the source. Tag, label, and package the samples as requested by Owner’s Project Representative. Provide access to the borrow site for field evaluation and inspection.

- B. Sieve analysis (ASTM C136) and permeability analysis (ASTM D2434) from certified soils testing laboratory for all borrow materials. A sample shall be taken and tested (at cost to Contractor) for each 1,500 c.y. of borrow material placed.
- C. Modified proctor analysis (ASTM D1557) from certified soils testing laboratory for all borrow materials.
- D. The Owner's Project Representative reserves the right to require more frequent testing than that which is specified above should the borrow characteristics change.
- E. Prior to the start of work, submit to the Owner's Project Representative performance data for all compaction equipment to be utilized.
- F. A Certificate of Clean Fill must be provided to Engineer and Owner for approval prior to delivery of any and all fill material including but not limited to, mineral soil, borrow material, structural fill, processed fill material, loam, or top soil to be placed on site during the course of the Work. The Certificate must include laboratory analytical reports for all material to be used at the site on a basis of one sample per every 500 cubic yards or lesser portions thereof. Analytical reports must demonstrate that the proposed material does not contain detectable concentrations of contaminants including but not limited to; petroleum hydrocarbons, semi volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), pesticides, and/or herbicides and that metals listed in the Connecticut Remediation Standard Regulations do not exceed minimal concentrations deemed allowable by Engineer and Owner. No fill material shall be placed on site until Contractor has received approval from Engineer and/or Owner. Engineer and Owner reserves the right to collect and analyze samples from any proposed fill material prior to or after delivery to the site and to allow use of off-specification material at their sole discretion.

The Certificate must clearly state the following and be signed by an authorized signatory employed by the Contractor:

1. Volume of material to be used
2. Process by which the material was obtained
3. Location of origin and summary of current and past site uses of the location of origin
4. Statement from Contractor that the analytical reports included with the Certificate represent the specific material to be used at the site
5. Statement that the Contractor does not know or have reason to believe that the proposed fill material contains foreign materials or contaminants.

#### 1.4 QUALITY ASSURANCE

- A. No borrow shall be placed prior to the approval of Engineer.



- B. Use adequate numbers of skilled workmen who are trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and methods required for proper performance of the work in this Section.
- C. Use equipment of adequate size, capacity, and quantity to accomplish the work of this Section in a timely manner.
- D. Comply with the directions of Owner's Project Representative and the requirements of governmental agencies having jurisdiction.

## 1.5 PROJECT/SITE CONDITIONS

### A. Existing Conditions

- 1. The Contractor shall be aware of any environmental requirements and restrictions, and shall comply with strict adherence to them.
- 2. During hauling operations, all public and private roadway surfaces shall be kept clean, and any borrow or other debris that may be brought upon the surface shall be removed promptly and thoroughly before it becomes compacted by traffic. If necessary, the wheels of all vehicles used for hauling shall be cleaned frequently and kept clean to avoid bringing any dirt upon the paved surfaces.
- 3. All excavation, hauling and placement of borrow material on site shall be conducted in such a manner so as to insure that no infringement of these specifications shall be violated.

## PART 2 - PRODUCTS

### 2.1 SOIL MATERIALS

- A. Fill material is subject to the approval of the Owner's Project Representative and may be either material removed from excavations or borrow from off site. Fill material, whether from the excavations or from borrow, shall be of such nature that after it has been placed and properly compacted, it will make a dense, stable fill.
- B. Satisfactory materials shall include materials classified by ASTM D 2487 as GW, GP, GM, GP-GM, GW-GM, GC, GP-GC, SW, and SP.
- C. Satisfactory materials shall not contain trash, refuse, vegetation, masses of roots, individual roots more than 18 inches long or more than 1/2 inch in diameter, or stones over 6 inches in diameter. Organic matter shall not exceed minor quantities and shall be well distributed.
- D. Satisfactory materials shall not contain frozen materials nor shall backfill be placed on frozen material.
- E. Excavated surface and/or pavement materials such as gravel or trap rock that are salvaged may be used as a sub-grade material. In no case will salvaged materials be substituted for the required gravel base.

### 2.2 ORDINARY BORROW

- A. Ordinary borrow shall consist of a material satisfactory to Owner's Project Representative and not specified as gravel borrow, sand borrow, special borrow material or other particular kind of borrow. This material shall have the physical characteristics of soils designated as type GW, GP, GM, SW, SP or SM, under USCS. It shall have properties such that it may be readily spread and compacted for the formation of embankments. The borrow shall not include rocks with a major dimension greater than 8 inches.

## 2.3 GRAVEL SUBBASE

- A. Gravel subbase shall consist of inert material that is hard, durable stone and coarse sand, free from loam and clay, surface coatings, and deleterious materials. The coarse aggregate shall have a percentage of wear, by the Los Angeles Abrasion Test, of not more than 50.
- B. Gradation requirements shall conform to the M.02.02 of the State of Connecticut Department of Transportation "Standard Specifications for Roads, Bridges, and Incidental Construction Form 818".

## 2.4 PROCESSED AGGREGATE BASE FOR BITUMINOUS CONCRETE PAVEMENT

- A. The compacted processed aggregate borrow to be used for pavement subbase shall consist of inert material that is hard, durable stone and coarse sand, free from loam and clay, surface coatings and deleterious materials. The coarse aggregate shall have a percentage of wear, by the Los Angeles Abrasion Test, of not more than 50.
- B. Gradation requirements shall conform to the M.05.01 of the State of Connecticut Department of Transportation "Standard Specifications for Roads, Bridges, and Incidental Construction Form 818".
- C. Stockpile the processed materials shall be stockpiled in such a manner to minimize segregation of particle sizes. All processed gravel shall come from approved stockpiles.

## 2.5 SAND BORROW

- A. Sand borrow material used for this item shall be supplied from an off-site borrow area, subject to Owner's Project Representative's approval. Testing of the off-site sand borrow shall be at the Contractor's expense.
- B. Sand borrow shall consist of clean, inert, hard, durable grains of quartz or other hard, durable, rock, free from loam or clay, surface coatings and deleterious materials. The allowable amount of material passing a No. 200 sieve as determined by ASTM-C117 shall not exceed 10% by weight.
- C. Material shall consist of a clean, non-plastic, granular material conforming to the requirements of a SW, SP or SM under the Unified Soil Classification System (USCS) (ASTM D2487).
- D. The material shall have the characteristics that when placed and compacted, the soil particles will bind together so as to form a solid, stable surface capable of supporting rubber-tired vehicular traffic during wet weather periods as well as extended dry weather periods. The borrow material shall not contain fines to the extent that the surface layer becomes "greasy" when wet.

- E. The material shall not contain stones larger than 3/8 inch in diameter.
- F. Material consisting of frozen clogs, ice and snow shall be rejected.
- G. All sand borrow material to be used shall be subject to approval by Owner's Project Representative, and Owner's Project Representative reserves the right to reject any borrow material from the job that does not meet the above requirements.

2.6 STONE BORROW

A. Crushed Stone Borrow

- 1. Crushed stone borrow shall consist of one of the following materials:
  - a. Durable crushed rock consisting of the angular fragments obtained by breaking and crushing solid or shattered natural rock, and free from a detrimental quality of thin, flat, elongated or other objectionable pieces. A detrimental quality will be considered as any amount in excess of 15% of the total weight. Thin stones shall be considered to be such stones whose average width exceeds 4 times their average thickness. Elongated stones shall be considered to be stones whose average length exceeds 4 times their average width.
  - b. Durable crushed gravel stone obtained by artificial crushing of gravel boulders or fieldstone with a minimum diameter before crushing of 8 inches.
- 2. The crushed stone shall be reasonably free from clay, loam or deleterious material and not more than 1.0% of satisfactory material passing a No. 200 sieve will be allowed to adhere to the crushed stone.
- 3. The crushed stone shall have a maximum percentage of wear as determined by the Los Angeles Abrasion Test (AASHTO-T-96) as follows:

- a. For Class 1 Bit. Conc. 30%\*\*
- b. For Cement Concrete Aggregate 45%\*\*\*
- c. Crushed Stone for Subbase 45%

\*\* Crushed stone for this use shall consist of crushed or shattered natural rock only. Crushed gravel stone will not be permitted.

\*\*\* Except for 5000 psi or greater cement concrete and prestressed concrete which shall be 30%.

- 4. The crushed stone shall conform to the grading requirements shown in the following grading Table.

Sieve Size	Percent by Weight Passing Through	
	Minimum	Maximum
1½"	100	--

1 1/4"	85	100
3/4"	10	40
1/2"	0	8

5. Stone gradations shall vary depending on field use and shall be determined by Owner's Project Representative.

B. 1/2-Inch Crushed Stone Borrow

1. The crushed stone used for pipe bedding and backfill shall be a dense graded mixture and conform to the following gradation requirements.

Sieve Size (Square Openings)	Percent by Weight Passing Through	
	Minimum	Maximum
5/8"	100	100
1/2"	85	100
3/8"	15	45
#4	0	15
#8	0	5

C. Washed Rounded Stone (Peastone)

1. All stone shall be clean material substantially free from any foreign and deleterious material such that not more than 1% passes the #200 sieve. The maximum particle size shall be 0.75 inches. (2cm).
2. Washed rounded stone shall conform to the following gradation requirements:

Sieve Size	Percent Passing Through by Weight	
	Minimum	Maximum
1"	100	-
3/4"	90	100
1/2"	10	50
3/8"	0	20
No.4	0	5

2.7 EQUIPMENT

- A. Use equipment capable of adequately placing, spreading and compacting materials to the depth specified.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Prior to the placement of borrow material, site preparation shall be completed as required by the Contract Documents, and approved by the Owner's Project Representative.
- B. Ensure that all materials are properly stockpiled on site to prevent contamination by other materials.
- C. Borrow material shall be placed over the entire area in uniform lifts and compacted to 95% of maximum dry density.
- D. Stockpiled borrow shall be utilized prior to using off-site borrow.
- E. Gravel borrow shall be used in all locations where a surface treatment has not been specified but requires a firm finish surface.
- F. Processed gravel for pavement subbase is intended to provide a stable foundation for driveways, sidewalk and roadway repair where a gravel base has been specified.
- G. Borrow shall be used as a replacement for unsuitable materials where poor soil conditions below the normal depth of the trench are encountered during the progress of the work. Extra excavation and the type of borrow, as determined by Owner's Project Representative, shall be used only in those locations where its use is ordered by Owner's Project Representative. The intent of the borrow is to provide a stable foundation for the pipe as a replacement of unsatisfactory material, not as an aid to dewatering trenches. Its use shall be limited to those areas in which Owner's Project Representative orders its use in writing.
- H. Borrow used for pipe foundation material shall be shaped so that it supports the pipe properly and will not damage the pipe, bells, collars, or the pipe fittings.
- I. All borrow shall be placed so as to keep it free of other materials and to prevent segregation.

END OF SECTION 31 2323



## SECTION 31 2333 - TRENCHING AND BACKFILLING

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Perform trench excavation and backfill in accordance with the Contract Documents. The Work includes but is not limited to trench excavation and backfill for the following:
  - 1. Storm drainage, sanitary sewers, water distribution and utility services demolition, abandonment, and construction
  - 2. Provide temporary paving or surfacing such as stabilized crushed stone so that traffic may be restored as soon as possible after completion of utility Work.
- B. Related Sections include the following:
  - 1. Section 31 2500 – Sedimentation and Erosion Control

#### 1.2 COORDINATION

- A. Coordinate and schedule the work of this Section with all trades involved to prevent interference, and in order to allow adequate time at the proper stage of construction to properly perform all work of this Section.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- A. Materials shall comply with CTDOT Form 818, "Standard Specifications for Road, Bridges, and Incidental Construction" latest revision.
- B. Materials installed within Town of East Hartford Roadway Right-of-Way shall conform to the Town of East Hartford standards and requirements.
- C. Materials for backfill as well as compaction requirements for utility services shall conform to the respective utility standards and specifications.

### PART 3 - EXECUTION

#### 3.1 EXCAVATION, TRENCHING AND BACKFILLING

- A. Perform excavation to the depths shown or specified.
- B. During excavation, pile material suitable for backfilling in an orderly manner a sufficient distance from the banks of the trench to avoid overloading and to prevent slides or cave-ins.
- C. Remove all excavated materials not required or suitable for backfill from the site.
- D. Grade as necessary to prevent surface water from flowing into trenches or other excavations. Remove any water accumulating therein by pumping or by other approved method.
- E. Install sheeting and shoring as necessary for the protection of the Work and for the safety of personnel.
- F. Unless otherwise indicated, excavation to be open cut.
- G. Excavation is classified as earth excavation and includes excavation to subgrade elevations indicated, regardless of character of materials and obstructions encountered, pavements, and other obstructions visible on ground surface, underground structures, utilities and other items indicated to be demolished and removed, together with earth and other materials, excluding rock.
- H. Rock, for the purposes of classification shall consist of rock material in beds, ledges, unstratified masses, conglomerate deposits and boulders of rock material that exceed 1 cubic yard that cannot be removed by rock excavating equipment without systematic drilling, ram hammering, ripping or blasting. Rock excavating equipment is defined as a late-model, track-mounted, hydraulic excavator equipped with a 42-inch wide, maximum, short-tip radius rock bucket, rated at not less than 138-hp flywheel power with bucket-curling force of not less than 28,090 lbf and stick-crowd force of not less than 18,650 lbf; measured according to SAE J-1179.
- I. Backfill and surface excavations for utilities occurring in or across streets or sidewalks with temporary paving or crushed stone as soon as possible after Work is completed.
- J. Maintain temporary paving or surfacing in a condition acceptable to the Owner until permanent pavement can be installed.

### 3.2 SIZES OF TRENCHES

- A. Ensure trenches are the necessary width for the proper laying of the pipe, and ensure the banks areas nearly vertical as practicable.
- B. Accurately grade the bottom of the trenches to provide uniform bearing and support for each section of the pipe on undisturbed soil at every point along its entire length.



- C. Except where rock is encountered, take care not to excavate below the depths indicated or specified.
- D. Where rock excavations are required, excavate the rock to a minimum overdepth of 6 inches below the trench depths indicated on the drawings or specified.
- E. Backfill overdepths in the rock excavation and unauthorized overdepths with thoroughly compacted sand or gravel as specified.
- F. Whenever wet or otherwise unstable soil that is incapable of properly supporting the pipe, as determined by the Owner's Geotechnical Consultant, is encountered in the bottom of the trench, remove such soil to the depth required and backfill the trench to the proper grade with coarse sand, fine gravel or other suitable material.
- G. Ensure trenches for utilities are of a depth that will provide the following minimum depths of cover from existing grade or from indicated finished grade, whichever is lower, unless otherwise specifically shown:
  - 1. 4.5' minimum cover for water lines, sanitary sewers; gas mains and the like carrying fluids.
  - 2. 2.5' feet minimum cover for electrical and telephone conduit and storm sewers.
- H. For bedding of piping, ensure the width of the trench at and below the top of the pipe is such that the clear space between the barrel of the pipe and the trench wall is 12 inches minimum on either side of the pipe.
- I. Ensure the width of the trench above the pipe crown is as wide as necessary for sheeting and bracing and the proper performance of the Work.
- J. Round the bottom of the trench so that at least the bottom quadrant of the pipe rests firmly on bedding material for as nearly as the full length of the barrel as proper joining operations will permit.
- K. Ensure the part of the excavation described in subsection J above is performed manually only a few feet in advance of the pipe laying by men skilled in this type of Work.

### 3.3 EXISTING UTILITY LINES

- A. Contact "Call Before You Dig" at 1-800-922-4455 at least 48 hours in advance of any construction to verify the location of utilities.
- B. Protect existing utility lines to be retained that are shown on the drawings or the locations of which are made known to the General Contractor prior to excavation

operations from damage during excavation and backfilling. If such lines are damaged, the Contractor will repair at his expense.

### 3.4 BACKFILL RESTRICTIONS AND REQUIREMENTS

- A. Do not backfill trenches until all required pressure and other tests have been performed and until the utilities systems as installed conform to the requirements of the drawings and specification.
- B. Carefully backfill the trenches with the excavated materials approved for backfilling consisting of earth, loam, sand, sand and gravel, soft shale or other approved materials, free from large clods of earth, stones over 2-1/2 inches maximum dimension, or other undesirable material as specified in Section 31 23 23 –Borrow Material. Deposit backfill in 6 inch layers then thoroughly and carefully tamp until the pipe has a cover of not less than one (1) foot.
- C. Carefully place the remainder of the backfill material in the trench in one foot layers and tamp. Settling the backfill with water is not permitted.
- D. Grade the surface to a reasonable uniformity and leave the mounding over trenches in a uniform and neat condition.
- E. The Engineer may reject any on-site or borrow materials which he considers unsuitable for intended backfill or fill usage.
- F. Under all paved areas, compact the fill and/or backfill to 95% of the maximum density at optimum moisture when tested in accordance with ASTM Designation D1557.
- G. Perform field density tests by the approved Soil Testing Laboratory at locations and elevations as directed. In general, take test samples for every 250 cubic yards of fill or backfill placed or at 100 linear foot intervals of trench backfilled.
- H. Backfill trenches excavated under footings and within 18 inches of bottom of footings with compacted select backfill; fill with concrete to elevation of bottom of footings.

END OF SECTION 31 2333

## SECTION 31 2500 - SOIL EROSION AND SEDIMENT CONTROL MEASURES

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
  - 1. Dust control
  - 2. Drainage and erosion control
  - 3. Haybales and siltation fence
  - 4. Sediment trapping devices
- B. Provide and maintain required erosion and sedimentation controls in accordance with the Contract Documents and as directed.
- C. Conduct operations at all times in conformity with all federal, state and local permit requirements concerning water, air, or noise pollution.
- D. The Contractor to be responsible for, and hold the Owner and Engineer harmless from, any penalties or fines which may be assessed by any authority due to his failure to comply with the terms of all applicable permits and approval requirements.

#### 1.2 SUBMITTALS

- A. Informational Submittals
  - 1. Construction Sequencing Plan
- B. Action Submittals
  - 1. Product Data, Cutsheets, Material Certifications for all products proposed for use in the execution of the Work.

#### 1.3 REQUIREMENTS AND RESTRICTIONS

- A. Control and abate siltation, sedimentation, erosion and pollution of all waters, and underground water systems, throughout the life of the contract.
- B. Do not refuel equipment or machinery within twenty-five (25) feet of any watercourse or storm drainage system.
- C. Do not place materials resulting from construction activities in, or contribute to, the degradation of an adjacent wetland or watercourse. Dispose of any material in accordance with these Specifications and the Connecticut General Statutes, including but not limited to, Sections 22a-207 through 22a-209.

- D. Submit, in writing, a construction sequencing plan to be reviewed and approved by the Engineer and Owner prior to the commencement of any construction.
- E. When dewatering surface runoff is necessary, do not discharge pumps directly into any drainage system. Prior to dewatering, submit to the Owner and the Engineer, for their review, a written proposal for specific methods and devices to be used. Detail the methods and devices to be used, including but not limited to, pumping the water into a temporary sedimentation bowl, installation of sump pits, providing surge protection at the inlet and outlet of pumps, or floating the intake of the pump, or other methods to minimize and retain the suspended solids.
- F. Do not dump oil, chemicals or other deleterious materials on the ground. Provide a means of catching, retaining, and properly disposing of drained oil, removed oil filters, or other deleterious material. All spills of such materials shall be reported immediately to the CTDEEP.
- G. Do not apply herbicides or pesticides within twenty-five (25) feet of any watercourse or drainage inlet.
- H. Inspect temporary and permanent erosion and sedimentation controls immediately after each rainfall and daily during prolonged rainfall. Maintain all erosion and sedimentation control devices in a functional condition in accordance with the Contract Documents, manufacturer's guidelines and the latest edition of the "Connecticut Guidelines for Soil Erosion and Sediment Control", as amended. In the event that such devices are not maintained in accordance with these documents, and the failures are not corrected within 48 hours after receipt of written notice, the Owner may proceed to remedy the failures specified in the notice. The cost thereof will be deducted from monies due the Contractor under the contract or under any other contract.

## PART 2 - PRODUCTS

### 2.1 HAYBALES

- A. Haybales required for siltation control shall be wire tied bales of the type normally used for siltation or erosion control or construction projects.

### 2.2 FILTER FABRIC

- A. Filter fabric siltation fencing shall be a woven filter fabric having a weight of at least 2.5 ounces per square yard, a thickness of at least 17 mils, a coefficient of permeability of not less than 0.0009 centimeters per second and allows a water flow rate of a minimum 40 gallons per minute per square yard. The material shall have a high sediment filtration capacity, high slurry flow and minimum clogging characteristics. The material shall be equal to FW-300 as

manufactured by Mirafi, Inc., Charlotte, North Carolina; Amoco 2130 by Nilex, Inc., Centennial, CO; MISF 180 by Mutual Industries, PA; or equal.

### 2.3 SEDIMENT TRAPPING DEVICES

- A. Sediment trapping devices shall be Siltsack®, Dandy Bag II®, or equal.

### 2.4 MULCH

- A. Hay mulch shall consist of mowed cured grass, clover, alfalfa, timothy, oats, or wheat. No salt hay shall be used.

## PART 3 - EXECUTION

### 3.1 DUST CONTROL

- A. Control dust during the Work. Use a mechanical street sweeper as needed or at the request of the Engineer.
- B. Prevent dust from becoming a nuisance or hazard. During construction, excavated material and open or stripped areas are to be policed and controlled to prevent spreading of the material.
- C. Control dust during the work on-site using calcium chloride and/or water.
- D. During the Work on-site, all paved road and driveway surfaces shall be scraped and broomed free of excavated materials on a daily basis. The surfaces shall be hosed down or otherwise treated to eliminate active or potential dust conditions and the natural road or wearing surface shall be exposed.
- E. Ensure that the existing equipment, facilities, and occupied space adjacent to or nearby areas of the work do not come in contact with dust or debris as a result of concrete demolition, excavation or surface preparation for coatings.
- F. Control dust by the construction of temporary wooden frame/polyethylene sheeting walls and covering enclosures separating adjacent or nearby areas and equipment from the Work site.

### 3.2 DRAINAGE AND EROSION CONTROL

- A. Control erosion and siltation during the construction through mulching, haybales, siltation fencing, diversion and control of storm water run-off, ponding areas and similar methods.
- B. Provide and maintain sediment trapping systems.
- C. Discharge surface runoff from any disturbances to the site into silt containment basins. Utilize siltation prevention measures including haybale and geotextile fences before discharge to drainage systems.
- D. Control surface waters within the construction area through the use of temporary culverts.
- E. Install sediment trapping devices in catch basins located in existing paved areas with sediment trapping devices to minimize the transport of sediment through the subsurface stormwater collection system.

### 3.3 SILTSACK®

- A. Install SILTSACK® in all drainage inlet structure and drywells on site and along the roadway and as otherwise directed.
- B. Install the SILTSACK® by removing the grate and placing the sack in the opening. Hold approximately 6 inches of the sack outside the frame. This is where the lifting straps are located. Replace the grate to hold the sack in place.
- C. Remove the SILTSACK® by taking two pieces of 1" diameter rebar and placing them through the lifting loops on each side of the sack to facilitate the lifting of the SILTSACK®.
- D. Empty the SILTSACK® when the restraint cord is no longer visible. Place it where the contents will be collected. Place the rebar through the lift straps (connected to the bottom of the sack) and lift, turning the SILTSACK® inside out and emptying the contents. Clean out and rinse. Return the SILTSACK® to its original shape and replace in the basin.

### 3.4 HAYBALES AND SILTATION FENCE

- A. Place and maintain both haybales and a staked filter fabric siltation fence along the entire length of the proposed construction between the area of construction and where shown on the Drawings or required by permit.

- B. Install haybales by anchoring bales butted together to existing ground with at least 2 stakes per bale. The stake shall be a minimum of 2 inch square cross section and shall be long enough to penetrate 12 inches into the ground. Replace deteriorated haybales. Remove and dispose of the haybales following the successful growth of vegetation in the areas disturbed by the construction. Haybales shall not be removed until their removal is approved by the Engineer.
  
- C. Install a filter fabric siltation fence in addition to the staked haybales, prior to construction and remove after full surface restoration has been achieved. Install the siltation fence parallel and immediately adjacent to the haybales as shown on the Drawings. Install as follows:
  - 1. Hand shovel excavate a small trench on the upstream side of the desired fence line location.
  - 2. Unroll the siltation fence system, position the post in the back of the trench (downhill side), and hammer the post at least 1½ feet into the ground.
  - 3. Lay the bottom 6 inches of the fabric into the trench to prevent undermining by storm water run-off.
  - 4. Backfill the trench and compact.

### 3.5 RESTORATION

- A. Provide erosion control, seed and mulch and netting for surface restoration of areas disturbed during construction activities.
  
- B. Provide temporary stabilization of disturbed areas that remain inactive greater than 14 consecutive days to minimize erosion. Methods to minimize erosion may include but are not limited to:
  - 1. Spreading straw and/or providing temporary planting stabilization.
  - 2. Installing jute netting.
  - 3. Preparing surfaces to increase the runoff flow path, reduce the runoff flow velocity, or create small storage pockets to retain surface flows. Methods of accomplishing this include using mechanical devices such as track equipment or sheep's foot rollers.

- C. Place mulch on seeded areas. Use jute netting on areas having a slope greater than 3 horizontal to 1 vertical, to anchor the mulch until a satisfactory growth is obtained. If seeding is not possible because of the time of the year, apply mulch and netting to stabilize the area until such time as seed can be sown.
- D. Provide grading, refertilizing, reseeding, remulching and/or netting to maintain the restored areas until the Work is accepted by the Owner.
- E. See Section 32 92 00 – Turf and Grasses for seed.

### 3.6 CLEANING

- A. Remove any sediment that builds up around the haybales or catchbasins.
- B. Clean sediment trapping devices periodically during the Work. Devices shall be cleaned on a weekly basis, or more frequently if the devices become clogged.
- C. Clean catchbasins that collect sediment as a result of the Work.

END OF SECTION 31 2500



## SECTION 32 1216 - BITUMINOUS CONCRETE PAVEMENT

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. The work under this Section shall consist of bituminous concrete placed upon a completed processed aggregate base course or upon the surface of an existing pavement. The work shall be installed in accordance with the line, compacted thickness and details shown on the Contract drawings.
- B. Section Includes:
  - 1. New Pavement
  - 2. Pavement overlay
  - 3. Permanent pavement repair
  - 4. Bituminous Concrete Curbing

#### 1.2 QUALITY ASSURANCE

- A. Codes and standards: Comply with provisions of following, except otherwise indicated:
  - 1. Reference to "Form 818" means the State of Connecticut Department of Transportation "Standard Specification for Roads, Bridges and Incidental Construction, 2020", including any interim and supplemental specification.
  - 2. For work within Town of East Hartford right of way shall conform with Town of East Hartford Department of Public Works standard details and specifications.

#### 1.3 SUBMITTALS

- A. Submit Material Certificates of Bituminous Mixture (Class) and Tack Coat signed by material producer and Contractor, certifying that each material item complies with or exceeds specified requirements in accordance with Conditions of Contract and Division 1 Specifications Sections.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- A. Bituminous Concrete Pavement:
  - 1. Material for Bituminous Concrete Pavement and Bituminous Bases shall comply with Section M.04 of "Form 818".

2. The class of bituminous and compacted thickness shall be as indicated on the Contract Drawings.

### PART 3 – EXECUTION

#### 3.1 CONSTRUCTIONS METHODS

1. Bituminous Concrete for Pavement shall comply with Article 4.06.03 of “Form 818”.

END OF SECTION 32 1216

## SECTION 32 9003 - LAWNS AND GRASSES

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. Section Includes:

1. Restoration of all vegetated areas disturbed during construction including:
  - a. Lawn areas
  - b. Grass surfaces
2. New loam and seed areas
3. Loam, starter fertilizer, lime, lawn seed
4. Mulch

B. Related Sections:

1. Section 02 4000 – Site Preparation

#### 1.2 REFERENCES

- A. ASTM D5539 – Standard Specification for Seed Starter Mix

#### 1.3 QUALITY ASSURANCE

- A. Place seed only between the periods from April 15<sup>th</sup> to June 1<sup>st</sup>, and from August 15<sup>th</sup> to October 1<sup>st</sup>, unless otherwise approved by the Engineer.

#### 1.4 SUBMITTALS

A. Submit the following for approval:

1. Lawn seed mixture including percent by weight of each seed type, and manufacturer/supplier name.
2. Suitable laboratory analysis of the soil to determine the quantity of fertilizer and lime to be applied.
3. Lime and starter fertilizer application rates based on laboratory soil tests.

- B. A Certificate of Clean Fill must be provided to Engineer and Owner for approval prior to delivery of any and all fill material including but not limited to, mineral soil, borrow material, structural fill, processed fill material, loam, or top soil to be placed on site during the course of the Work. The Certificate must include laboratory analytical reports for all material to be used at the site on a basis of one sample per every 500 cubic yards or lesser portions thereof. Analytical reports must demonstrate that the proposed material does not contain detectable concentrations of contaminants including but not limited to; petroleum hydrocarbons, semi volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), pesticides, and/or herbicides and that metals listed in the Connecticut Remediation Standard Regulations do not exceed minimal concentrations deemed allowable by Engineer and Owner. No fill material shall be placed on site until Contractor has received approval from Engineer and/or Owner. Engineer and Owner reserves the right to collect and analyze samples from any proposed fill material prior to or after delivery to the site and to allow use of off-specification material at their sole discretion.

The Certificate must clearly state the following and be signed by an authorized signatory employed by the Contractor:

1. Volume of material to be used
2. Process by which the material was obtained
3. Location of origin and summary of current and past site uses of the location of origin
4. Statement from Contractor that the analytical reports included with the Certificate represent the specific material to be used at the site
5. Statement that the Contractor does not know or have reason to believe that the proposed fill material contains foreign materials or contaminants.

## PART 2 - PRODUCTS

### 2.1 MATERIALS

#### A. Loam

1. Loam shall consist of fertile, friable, natural topsoil typical of the locality without admixture of subsoil, refuse or other foreign materials and shall be obtained from a well-drained arable site. It shall be such a mixture of sand, silt and clay particles as to exhibit sandy and clayey properties in and about equal proportions. It shall be reasonably free of stumps, roots, heavy or stiff clay, stones larger than 1-inch in diameter, lumps, coarse sand, noxious weeds, sticks, brush or other litter. Topsoil as delivered to the site or stockpiled shall have pH between 6.0 and 7.0 and shall contain not less than 5 percent or more than 8 percent organic matter as determined by loss of ignition of moisture-free samples dried at 100 degrees Celsius. The topsoil shall meet the following mechanical analysis:

PERCENTAGE FINER

1-in opening	screen	100
No. 10 mesh		95 to 100
No. 270 mesh		35 to 75
0.002 mm*		5 to 25

\* Clay size fraction determined by pipette or hydrometer analysis.

2. Place a minimum of 4 inches of loam.

B. Starter Fertilizer

1. Starter fertilizer shall bear the manufacturer's name and guaranteed statement of analysis, and shall be applied in accordance with the manufacturer's directions.
2. Starter fertilizer shall be Scott's Starter Fertilizer, or equal, with timed nitrogen release to prevent burning.

C. Lime

1. Lime shall be an agricultural type ground limestone.
2. Lime shall be pelletized type for prolonged time release to soil.

D. Lawn Seed

1. Seed shall be of the previous year's crop.
2. Required ranges:
  - a. Purity > 90%
  - b. Germination > 80%
  - c. Crop < 0.5%
  - d. Weed < 0.3%
  - e. Noxious Weed – 0%
  - f. Inert < 8%
3. The standard seed mixture shall be applied at a minimum rate of 175 lbs./acre, 4 lbs./1,000 sf.

OPEN FIELD MIX	% WEIGHT
Red Fescue (Creeping)	60%
Red Top	10%
Crown Vetch	30%

4. All seed shall comply with State and Federal seed laws.

5. A sworn certificate indicating each variety of seed, weed content, germination of seed, net weight, date of shipment and manufacturer's name shall accompany each seed shipment. Responsibility for satisfactory results rests entirely on the Contractor.

E. Mulch

1. Shall be a specially processed 100 percent Virgin wood fiber mulch containing no growth or germination-inhibiting factors. Wood fiber mulch shall be Second Nature Regenerated wood fiber as by Central Fiber Corporation, Wellsville, KS or equal. It shall be manufactured in such a manner that after addition and agitation in slurry tanks with water, the fibers in the material become uniformly suspended to form a homogenous slurry. When sprayed on the ground, the material shall allow absorption and percolation of moisture. Each package of the wood fiber shall be marked by the manufacturer to show the air dry weight content and not contain in excess of 10 percent moisture.

### PART 3 - EXECUTION

#### 3.1 PREPARATION

- A. In accordance with Section 024000, salvage all existing loam and stockpile at an acceptable on-site location. Under no circumstances shall existing topsoil be removed from the Project site.
- B. The ground surface shall be fine graded and raked to prepare the surface of the loam for lime, fertilizer and seed.
- C. Perform a laboratory soil test on the proposed loam before placing any lime, fertilizer, or seed. This work shall be in accordance with ASTM D5539.
- D. Loam surface that has been raked smooth and prepared for sod installation shall be watered as directed by grower for plant species supplied.

#### 3.2 LAWN AREAS

- A. Apply fertilizer and lime to the surface of the ground in accordance with the manufacturers' instructions, and based on the results of the certified soils test.
- B. Place the seed using a drop or rotary spreader at the rate recommended by the seed manufacturer for the intended use of the lawn or grass area being restored.
- C. After spreading the seed, lightly rake the surface to work the seed in. The surface shall then be rolled.
- D. All seed on banks and slopes of three to one (3:1) and greater shall be netted and staked.
- E. As sodding is completed in any one section, roll the entire section by making four passes with a hand roller weighing not more than 100 lbs/ft of width.

### 3.3 MAINTENANCE

- A. Maintain loamed and seeded areas by mulching, covering, netting, watering and fencing until an acceptable stand of vegetation is approved by the Engineer.
- B. The dressed and seeded areas shall be sprinkled with water as necessary from time to time. Signs and barricades should be placed to protect the seeded areas. After the grass has started to grow, all areas and parts of areas that fail to show a uniform stand of grass shall be seeded repeatedly until all areas are covered with a satisfactory growth of grass.

### 3.4 SPECIAL CONSIDERATIONS

- A. Following the final top course of paving, all pavement edges, waterways, sidewalks and berms shall be brought to grade with loam, fine graded, raked, seeded, and rolled to the satisfaction of the Engineer. The final surface of the loam backup shall slope away from the surface edge to allow proper sheeting of runoff. The Contractor shall protect, maintain, and repair seeded areas until a satisfactory start of healthy grass is established.

### 3.5 RESTORATION

- A. In locations where the Work passes through existing grass, weed brush or tree-surfaced areas that are not covered by a specific lawn repair item, surface restoration shall be as follows:
  - 1. After completion of backfilling, the existing loam and organic ground cover materials that were salvaged during excavation shall be returned to the top of the trench.
  - 2. After natural settlement and compaction has taken place, the trench surface shall be harrowed, dragged and raked as necessary to produce a smooth and level surface.
  - 3. The area is then to be sowed with "orchard grass" or "rye grass" or other such materials to hold the soil and produce a growth similar to that existing prior to construction.

### 3.6 GUARANTEE PERIOD AND FINAL ACCEPTANCE

- A. At the end of the guaranteed period, inspection will be made by the Engineer upon written request submitted at least 10 days before the anticipated date. Seeded areas not demonstrating satisfactory stands as outlined above, as determined by the Engineer, shall be renovated, reseeded and maintained meeting all requirements as specified herein.
- B. After all necessary corrective work has been completed, the Engineer shall certify in writing the final acceptance of the seeded areas.

END OF SECTION 32 9003





## SECTION 32 9210 - VEGETATIVE SUPPORT MATERIAL

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes
  - 1. Topsoil

#### 1.2 SUBMITTALS

- A. Provide representative samples of borrow materials taken from the source. Tag, label, and package the samples as requested by the Engineer. Provide access to the borrow site for field evaluation and inspection.
- B. Provide analytical test results at the rate specified. Results shall indicate whether sample was taken from the upper or lower 6 inches of the vegetative support materials. All samples shall be representative and analyzed for the following:

- pH
- Nitrogen
- Phosphorus
- Potash
- Grain size
- Organic content

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- A. Vegetative Support Material
  - 1. Vegetative support material shall consist of fertile, friable, natural topsoil typical of the locality without admixture of subsoil, refuse or other foreign materials and shall be obtained from a well-drained arable site. It shall be such a mixture of sand, silt and clay particles as to exhibit sandy and clayey properties in and about equal proportions. It shall be reasonably free of stumps, roots, heavy or stiff clay, stones larger than 1-inch in diameter, lumps, coarse sand, noxious weeds, sticks, brush or other litter. Topsoil as delivered to the site or stockpiled shall have pH between 6.0 and 7.0 and shall contain not less than 5 percent or more than 8 percent organic matter as determined by loss of ignition of moisture-free samples dried at 100 degrees Celsius. The topsoil shall meet the following mechanical analysis:

<b>PERCENTAGE FINER</b>	
1-in screen opening	100
No. 10 mesh	95 to 100
No. 270 mesh	35 to 75
0.002 mm*	5 to 25

\* Clay size fraction determined by pipette or hydrometer analysis.

2. Prior to stripping, the topsoil shall have demonstrated; by the occurrence upon it of healthy crops, grass or other vegetative growth; that it is reasonably well drained and that it does not contain toxic amounts of either acid or alkaline elements.
- B. A Certificate of Clean Fill must be provided to Engineer and Owner for approval prior to delivery of any and all fill material including but not limited to, mineral soil, borrow material, structural fill, processed fill material, loam, or top soil to be placed on site during the course of the Work. The Certificate must include laboratory analytical reports for all material to be used at the site on a basis of one sample per every 500 cubic yards or lesser portions thereof. Analytical reports must demonstrate that the proposed material does not contain detectable concentrations of contaminants including but not limited to; petroleum hydrocarbons, semi volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), pesticides, and/or herbicides and that metals listed in the Connecticut Remediation Standard Regulations do not exceed minimal concentrations deemed allowable by Engineer and Owner. No fill material shall be placed on site until Contractor has received approval from Engineer and/or Owner. Engineer and Owner reserves the right to collect and analyze samples from any proposed fill material prior to or after delivery to the site and to allow use of off-specification material at their sole discretion. The Certificate must clearly state the following and be signed by an authorized signatory employed by the Contractor:
1. Volume of material to be used
  2. Process by which the material was obtained
  3. Location of origin and summary of current and past site uses of the location of origin
  4. Statement from Contractor that the analytical reports included with the Certificate represent the specific material to be used at the site
  5. Statement that the Contractor does not know or have reason to believe that the proposed fill material contains foreign materials or contaminants

A. EQUIPMENT

- i. Earth Moving Equipment

- ii. Adequate types and number of equipment shall be used to ensure that the vegetative support material is spread evenly and at the proper depth to all areas intended to be covered without damaging underlying soil layers or structures.

## 6. EXECUTION

### A. INSTALLATION

- i. Vegetative support material shall be placed over approved areas to a depth sufficiently greater than required so that after natural settlement and light rolling, the complete work will conform to the lines, grades and elevations indicated. No loam shall be spread in water or while frozen or muddy.
- ii. The vegetative support material shall be hauled, deposited, spread, compacted, tracked and raked to the lines and grades shown on the Plans or as directed by the Engineer. After the vegetative support material has been spread, it shall be carefully prepared for seeding by spading or harrowing, and raking. All large, stiff clods, lumps, stones, brush, roots, stumps, litter, and other foreign material shall be removed.
- iii. The compaction shall be equivalent to that produced by a hand roller weighing from 75 to 100 pounds per foot of width. The compaction may be obtained by rolling, dragging or any method that produces satisfactory results. All depressions caused by settlement or rolling shall be filled with additional materials and the surfaces shall be regraded and rolled until it presents a reasonably smooth and even finish and is up to the required grade.
- iv. During hauling operations, all public and private roadway surfaces shall be kept clean and any topsoil or other dirt which may be brought upon the surface shall be removed promptly and thoroughly before it becomes compacted by traffic. If necessary, the wheels of all vehicles used for hauling shall be cleaned frequently and kept clean to avoid bringing any dirt upon the surface.

### B. QUALITY CONTROL

- i. The responsibility for satisfactory results on work carried out under this item rests entirely on the Contractor regardless of the prior approval of the materials and methods on the part of the Engineer.
- ii. The Contractor shall provide laboratory test results for the vegetative support material intended for use as specified herein, at a frequency of 1 round per 1,000 cy of material.
- iii. The Engineer shall randomly sample the borrow material and have a certified analytical laboratory perform testing as described herein. The

testing shall be a verification of the results submitted by the Contractor and shall be entirely at the Contractor's expense.

END OF SECTION 32 9210

# Comprehensive Hazardous Building Materials Inspection

Inspection Dates: August 14 - 16, 29-31 &  
September 15, 18, 29, 2023  
818-850 Silver Lane  
East Hartford, Connecticut

Capital Region Development Authority  
Hartford, Connecticut

October 31, 2023



**FUSS & O'NEILL**

Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040



FUSS & O'NEILL

October 31, 2023

Ms. Kim Hart, Venue Director  
Capital Region Development Authority  
100 Columbus Boulevard, 5<sup>th</sup> Floor  
Hartford, CT 06103-2819

**Re: Hazardous Building Materials Inspection  
818-850 Silver Lane  
East Hartford, Connecticut**  
Fuss & O'Neill Project No. 20230389.A10

Dear Ms. Hart:

Enclosed is the report for the hazardous building materials inspection conducted in response to the proposed demolition for 818-850 Silver Lane, East Hartford, Connecticut (the "Site"). The work was conducted for Capital Region Development Authority (the "Client").

The services were performed on August 14 - 16, 29 - 31 and September 15, 18, 29, 2023 by Fuss & O'Neill, Inc. licensed inspectors and included a comprehensive asbestos-containing material (ACM) inspection, lead-based paint (LBP) determination, PCB bulk sampling and adjacent substrate sampling, and an inventory of PCB-containing ballasts and mercury-containing equipment. The information summarized in this report is for the above-mentioned materials only. The work was performed in accordance with our written proposal dated May 31, 2023, and Task Authorization Requests dated September 30 and October 18, 2023.

If you should have any questions regarding the contents of this report, please do not hesitate to contact me at (860) 783-4662. Thank you for this opportunity to have served your environmental needs.

146 Hartford Road  
Manchester, CT  
06040  
t 860.646.2469  
800.286.2469  
f 860.533.5143

[www.fando.com](http://www.fando.com)

Connecticut  
Maine  
Massachusetts  
New Hampshire  
New York  
Rhode Island  
Vermont

Sincerely,

Carlos Texidor  
Associate

CT/kr

Enclosure

# Table of Contents

## Hazardous Building Materials Inspection Report 818-850 Silver Lane, East Hartford, Connecticut Capital Region Development Authority

---

<b>1</b>	<b>Introduction .....</b>	<b>1</b>
1.1	Building and Mechanical System Description.....	1
<b>2</b>	<b>Asbestos Inspection.....</b>	<b>2</b>
2.1	Methodology .....	2
2.2	Results .....	4
2.3	Discussion .....	5
2.4	Conclusions and Recommendations.....	5
<b>3</b>	<b>Lead-Based Paint Determination .....</b>	<b>6</b>
3.1	Methodology .....	6
3.2	XRF Determination Results .....	7
3.3	Discussion .....	7
3.4	Conclusion and Recommendations .....	8
<b>4</b>	<b>Lead Waste Characterization .....</b>	<b>8</b>
4.1	Sample Collection Methodology .....	8
4.2	Results .....	9
4.3	Conclusion.....	9
<b>5</b>	<b>Polychlorinated Biphenyls (PCBs) Bulk Sample Analysis.....</b>	<b>9</b>
5.1	Background .....	9
5.2	Sampling.....	10
5.3	Results .....	10
5.4	Conclusions .....	10
5.5	Adjacent Substrate Sampling .....	11
5.6	Substrate Sample Results .....	12
<b>6</b>	<b>PCB-Containing Fluorescent Light Ballasts and Mercury-Containing Equipment.....</b>	<b>12</b>
6.1	PCB-Containing Fluorescent Ballasts.....	12
6.2	Mercury-Containing Equipment.....	12
<b>7</b>	<b>Refrigerant Recover and Recycling.....</b>	<b>13</b>
7.1	EPA Regulations, Section 609 of the Clean Air Act, Amendments of 1990.....	13
7.1.1	Section 82.34—Prohibitions and required Practices .....	13
7.1.2	Section 82.36—Approved refrigerant handling equipment .....	13
7.1.3	“Specifications for Fluorocarbon Refrigerants,” published by the Air- Conditioning, Heating, and Refrigeration Institute (AHRI).....	14

7.2 Conclusion.....14

**Tables**

**End of Report**

1. Summary of Suspect Asbestos-Containing Materials
2. Summary of Identified Asbestos-Containing Materials and Materials Containing <1% Asbestos Inventory
3. PCB Bulk Sample Analytical Results
4. PCB Adjacent Substrate Sample Analytical Results
5. PCB/DEHP-Containing Light Ballasts Inventory
6. Mercury-Containing Equipment Inventory

**Appendices**

**End of Report**

APPENDIX A	LIMITATIONS
APPENDIX B	INSPECTOR LICENSES AND ACCREDITATIONS
APPENDIX C	ASBESTOS LABORATORY REPORTS AND CHAIN OF CUSTODY FORMS
APPENDIX D	SITE PHOTOGRAPHS
APPENDIX E	XRF LEAD DETERMINATION FIELD DATA SHEETS
APPENDIX F	WASTE CHARACTERIZATION LABORATORY REPORTS AND CHAIN OF CUSTODY FORM
APPENDIX G	PCB BULK LABORATORY REPORTS AND CHAIN OF CUSTODY FORMS
APPENDIX H	PCB ADJACENT SUBSTRATE LABORATORY REPORTS AND CHAIN OF CUSTODY FORMS
APPENDIX I	SAMPLE LOCATION DIAGRAMS



# 1 Introduction

On August 14 - 16, 29 - 31 and September 15, 18, 29, 2023, Fuss & O'Neill, Inc. (Fuss & O'Neill) representatives Craig Cyr, Felix Revoir, Nolan Carrier, Eric Cooley, and Sandra Guzman performed a hazardous building materials inspection for the proposed demolition at 818-850 Silver Lane, East Hartford, Connecticut (the "Site"). The work was conducted for Capital Region Development Authority (the "Client") in accordance with our written scope of services dated May 31, 2023 and Task Authorization Requests dated September 30 and October 18, 2023 and is subject to the limitations included in *Appendix A*.

The limited inspection included the following:

- Asbestos-containing material (ACM) inspection;
- Lead-based paint (LBP) determination;
- Polychlorinated Biphenyls (PCB) bulk sampling in building materials; and
- PCB-containing light ballasts and mercury-containing equipment inventory.

This hazardous building materials inspection was performed in response to the proposed demolition activities and included the entire building/facility, including exterior and roof. The building has no basement and is a slab on grade foundation. The slab on grade foundation is to remain and not part of the demolition of the building.

This inspection included destructive sampling techniques to access inaccessible/concealed building materials. Specific areas that were inspected include the following:

- Beneath/behind window and door frames;
- Within mechanical equipment;
- Spaces above fixed ceilings, solid walls and between and beneath floors where accessible
- Concealed pipe chases.

Specific areas that were not included in this report include the following:

- Sub-slab vapor barriers and;
- Sub-grade utilities

---

## 1.1 Building and Mechanical System Description

The building structure includes a single story commercial building with no basement and multiple storefronts and was reportedly constructed circa 1959. The building contains approximately 107,000 square feet (SF) of total floor area and is constructed of masonry and steel with a flat roof and slab on grade. According to the City of East Hartford property card, renovations to the building were conducted between 1978-80. The building is heated by gas-fired forced hot air boilers system.

## 2 Asbestos Inspection

A property Owner must ensure that a thorough ACM inspection is performed prior to possible disturbance of suspect ACM during renovation or demolition activities. This is a requirement of the EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation located at Title 40 CFR, Part 61, Subpart M.

On August 14-16, 29 - 30, and September 15 & 18 2023, Craig Cyr, Eric Cooley, Felix Revoir, and Nolan Carrier of Fuss & O'Neill conducted the asbestos inspection. Mr. Cyr, Mr. Cooley, Mr. Revoir, and Mr. Carrier are all State of Connecticut Department of Public Health (CTDPH) licensed Asbestos Inspectors. Refer to *Appendix B* for the Asbestos Inspector licenses and accreditations.

---

### 2.1 Methodology

The inspection was conducted by visually inspecting for suspect ACM and touching each of the suspect materials. The suspect materials were categorized into three EPA NESHAP groups: friable and non-friable Category I and Category II type ACM.

- A Friable Material is defined as material that contains greater than 1 percent ( $> 1\%$ ) asbestos that when dry **can** be crumbled, pulverized, or reduced to powder by hand pressure.
- A Category I Non-Friable Material refers to material that contains  $> 1\%$  asbestos (i.e., packings, gaskets, resilient floor coverings, and asphalt roofing products) that when dry **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.
- A Category II Non-Friable Material refers to any non-friable material excluding Category I materials that contain  $> 1\%$  asbestos that when dry, **cannot** be crumbled, pulverized, or reduced to powder by hand pressure.

The suspect ACM were also categorized into their applications including Thermal System Insulation (TSI), Surfacing ACM (S), and Miscellaneous ACM (M). TSI includes those materials used to prevent heat loss/gain or water condensation on mechanical systems. Examples of TSI are pipe insulation, boiler insulation, duct insulation, and mudded pipe fitting insulations. Surfacing ACM includes those ACM that are applied by spray, trowel, or otherwise applied to an existing surface. Surfacing ACM is commonly used for fireproofing, decorative, and acoustical applications. Miscellaneous materials include those ACM not listed as thermal or surfacing, such as linoleum, vinyl asbestos flooring, ceiling tiles, caulking's, glues, construction adhesives, etc.

The EPA recommends collecting suspect ACM samples in a manner sufficient to determine asbestos content and to segregate each suspect type of homogeneous (similar in color, texture, and date of application) materials. The EPA NESHAP regulation does not specifically identify a minimum number of samples to be collected for each homogeneous material, but the NESHAP regulation does recommend the use of sampling protocols included in Title 40 CFR, Part 763, Subpart E: Asbestos Hazard Emergency Response Act (AHERA).

The EPA AHERA regulation requires a specific number of samples be collected based on the type of material and quantity present. This regulation includes the following protocol:

1. Surfacing Materials (S) (i.e., plasters, spray-applied fireproofing, etc.) must be collected in a randomly distributed manner representing each homogeneous area based on the overall quantity represented by the sampling as follows:
  - a. Three (3) samples collected from each homogeneous area that is less than or equal to 1,000 square feet.
  - b. Five (5) samples collected from each homogeneous area that is greater than 1,000 square feet but less than or equal to 5,000 square feet.
  - c. Seven (7) samples collected from each homogeneous area that is greater than 5,000 square feet.
2. Thermal System Insulation (TSI) (i.e., pipe insulations, tank insulations, etc.) must be collected in a randomly distributed manner representing each homogeneous area. Three (3) samples must be collected from each material. Also, a minimum of one (1) sample of any patching materials applied to TSI presuming the patched area is less than 6 linear or square feet should be collected.
3. Miscellaneous materials (M) (i.e., floor tile, gaskets, construction mastics, etc.) should have a minimum of two (2) samples collected for each type of homogeneous material. Sample collection was conducted in a manner sufficient to determine asbestos content of the homogeneous material as determined by the inspector.

The inspectors collected samples of those suspect ACM anticipated to be disturbed by the proposed demolition activities and prepared a proper chain of custody form for transmission of the samples to Scientific Analytical Institute (SAI) for analysis. SAI is a State of Connecticut-licensed and American Industrial Hygiene Association (AIHA)-accredited asbestos laboratory. The sample locations, material type, sample identification, and asbestos content are identified by bulk sample analysis in **Table 1** attached hereto. Suspect ACM not listed in the table that may be identified later at the Site, should be assumed to be ACM until sample collection and analysis indicate otherwise. Initial asbestos sample analysis was conducted using the EPA Interim Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116) via Polarized Light Microscopy with Dispersion Staining (PLM/DS).

If samples of suspect materials could not be collected or were inaccessible but observed elsewhere, these materials were assumed to contain asbestos and the inspectors approximated quantities. The exterior and roof were included in the scope of work for this limited inspection. Also, intrusive, or destructive investigative techniques were performed at the Site to access and observe concealed areas that may have had suspect ACM that were hidden or obstructed from normal view.

Limited destructive investigations were performed at the Client's request. Typically, these areas included, but were not limited to, the following:

- Wall cavities;
- Spaces above fixed ceilings;
- Foundation walls;
- Spaces behind the brick façade;
- Behind mirrors, blackboards and signage; and

Subsurface investigations including, but not limited to, concrete foundations were not performed. Also, Fuss & O'Neill did not conduct subsurface investigations to identify suspect cementitious pipe throughout the Site.

---

## 2.2 Results

Utilizing the EPA protocol and criteria, the following materials were determined to contain asbestos:

### **Building 1**

- Light gray cementitious perforated panel ceiling of walkway canopy roof;
- Black tar sealant on soffits;
- Black tar - roofing patch & on compressor unit; and
- Black tar with silver coating on roof/soffits

### **Building 2**

- Light gray cementitious perforated panel ceiling of walkway canopy roof;
- Gray exterior horizontal wall joint caulk;
- White horizontal joint repair caulk;
- White caulk between door frame and CMU;
- Black Mastic associated with 9x9 blue vinyl floor tile;
- 9x9 gray vinyl floor tile;
- 9x9 yellow vinyl floor tile;
- Silver coating over roof vents;
- Black asphaltic four ply roof membrane- top layer;
- Black paperback isoform board under four ply membrane; and
- White caulk on roof chimney;

### **Building 3**

- Light gray cementitious perforated panel ceiling of walkway canopy roof
- Black asphaltic roof membrane on top of walkway canopy;
- Black Mastic associated with 12"x12" beige floor tile.
- Black Mastic associated with 9"x9" gray vinyl floor tile;
- Gray caulk from exterior vertical wall seam;
- Black asphaltic four ply roof membrane field and flashings;
- Silver coating over roof vent;

### **Building 4**

- Light gray cementitious perforated panel ceiling of walkway canopy roof
- Black asphaltic roof membrane on top of walkway canopy;
- White caulk between window frame and white brick;
- Gray caulk from exterior horizontal wall seam;
- Black and tan adhesive under rubber floor mats;
- Tan Caulk at Vertical window frame to brick Joint;
- Black asphaltic four ply roof flashings;
- Gray caulk at vertical seam on back of building façade/sign;

- Black caulk over white caulk on CMU;

#### **Building 5**

- Gray caulk between door frame and brick;
- White Mudded Fitting Insulation on drainpipe;
- Black exit door frame caulk in north storage room;
- Black asphaltic four ply roof flashings;
- White caulk along CMU roof walls;
- Silver tarpaper over four ply roof layer;
- White/light blue plaster ceiling above walkway over metal; and
- White caulk between metal door frame and CMU.

Refer to **Table 1** for a complete list of ACM and non-ACM sampled as part of this inspection. Refer to **Table 2** attached hereto for the identified ACM inventory. Refer to *Appendix C* for the asbestos laboratory reports and chain of custody forms. Refer to *Appendix D* for Site photographs.

---

## **2.3 Discussion**

The EPA and the Occupational Safety and Health Administration (OSHA) define a material that contains greater than one percent (> 1%) asbestos, utilizing PLM/DS, as being an ACM. The CTDPH defines any material that contains equal to or greater than one percent ( $\geq 1\%$ ) asbestos, utilizing PLM/DS, as being an ACM. Materials that are identified as "none detected" are specified as not containing asbestos.

Suspect ACM not identified during this limited inspection should be presumed to contain asbestos until sample collection and laboratory analysis indicate otherwise.

Additionally, the EPA has suggested that materials that are non-friable organically bound (NOB) materials (e.g., asphaltic-based materials, adhesives, etc.) are recommended for further confirmatory analysis utilizing Transmission Electron Microscopy (TEM). At the request of the Client, none of the collected samples were analyzed by TEM.

---

## **2.4 Conclusions and Recommendations**

Based on visual observations, sample collection, and laboratory analysis, asbestos has been identified in some of the materials sampled at the Site.

Prior to disturbance, ACM that would likely be impacted by the proposed renovation/demolition activities must first be abated by a state-licensed Asbestos Abatement Contractor. This is a requirement of CTDPH and EPA NESHAP regulations governing asbestos abatement.

Due to the inability to effectively separate some types of multi-layered ACM (e.g., floor tiles and mastics, etc.) from non-ACM, these materials are considered asbestos-contaminated and must be managed as ACM for the purposes of removal and disposal.

Fuss & O'Neill recommends that a comprehensive scope of work and technical specification be developed as part of demolition plans for the Site. We have provided a cost in our proposal to develop the specifications for inclusion in the overall demolition plans. We have also developed an opinion of cost for the complete removal of all identified asbestos under separate cover. Note the total cost is inclusive of removing all asbestos, and a more limited scope can be tailored to any specific demolition work as necessary.

Suspect materials encountered during demolition that are not identified in this report as being non-ACM should be presumed to be ACM until sample collection and laboratory analysis indicate otherwise. Prior to renovation/demolition that may disturb hidden/inaccessible areas, we recommend conducting a supplemental asbestos inspection of these areas and spaces. These areas include the following:

- Wall cavities;
- Spaces above fixed ceilings;
- Foundation walls;
- Spaces behind the brick façade;
- Behind mirrors, blackboards and signage.

Fuss & O'Neill recommends that if any ACM are to remain in the building following renovation/demolition activities, the materials should be managed in-place under a written Operations and Maintenance Program in accordance with OSHA regulations.

This report is not intended to be utilized as a bidding document or as a project specification document. The report is designed to aid the Client in locating identified ACM.

## 3 Lead-Based Paint Determination

On August 29 - 31, 2023, Mr. Craig Cyr and Mr. Nolan Carrier of Fuss & O'Neill performed a lead-based paint (LBP) determination associated with coated building components at the Site that may be disturbed during renovation/demolition activities. An x-ray fluorescence (XRF) analyzer was used to perform the LBP determination. The determination was conducted in accordance with generally accepted industry standards for non-residential (i.e., not child-occupied) buildings.

---

### 3.1 Methodology

A Viken Pb200i handheld XRF lead paint analyzer, serial number 2171, was utilized for the LBP determination. The instrument was checked for proper calibration prior to use as detailed by the manufacturer and the Performance Characteristic Sheet (PCS) developed for the instruments.

For the purpose of this LBP determination, representative building components were tested as part of this pre-demolition study. Individual repainting efforts are not discoverable in such a limited program. LBP issues involving properties that are not residential are regulated to a limited degree for worker protection relating to paint-disturbing work activities and waste disposal.

Worker protection is regulated by OSHA regulations, as well as CTDPH regulations. These regulations involve air monitoring of workers to determine exposure levels when disturbing lead-containing paint.

An LBP determination cannot determine a safe level of lead but is intended to provide guidance for implementing industry standards for lead in paint at identified locations. Contractors may then better determine exposure of workers to airborne lead by understanding the different concentrations of LBP activities that disturb paint on representative surfaces.

The EPA Resource Conservation and Recovery Act (RCRA), as well as the Connecticut Department of Energy and Environmental Protection (CTDEEP), regulate disposal of lead-containing waste. Lead-containing materials that will be impacted during renovation or demolition activities, and result in waste for disposal must either be analyzed using the Toxicity Characteristic Leaching Procedure (TCLP) analysis if lead is determined to be present in non-residential buildings or be presumed as a hazardous waste. A TCLP sample is a representative sample of the intended waste stream. The results are compared to a threshold value of 5.0 milligrams per liter (mg/L); results equal to or exceeding this value is considered hazardous lead waste. If the result is below the established level, the material is not considered hazardous and may be disposed as general construction debris.

A level of LBP equal to or exceeding 1.0 milligrams of lead per square centimeter (mg/cm<sup>2</sup>) by XRF is considered toxic or dangerous for compliance with residential standards. For purpose of this LBP determination the level of 1.0 mg/cm<sup>2</sup> has been utilized as a threshold for areas where possible worker exposures may occur.

---

## 3.2 XRF Determination Results

The LBP determination indicated consistent painting trends associated with representative building components that may be impacted by demolition work. The following building components were determined to contain levels of lead (equal to or greater than 1.0 mg/cm<sup>2</sup>) by XRF:

- Painted or coated exterior/interior brick of Building 2
- Painted Brick and metal columns
- Metal sign over metal door

Refer to *Appendix E* for the XRF lead determination field data sheets.

---

## 3.3 Discussion

OSHA published a Lead in Construction Standard (OSHA Lead Standard) Title 29 CFR, Part 1926.62 in May 1993. The OSHA Lead Standard has no set limit for the content of lead in paint below which the standards do not apply. The OSHA Lead Standards are task based and derived from airborne exposure and blood lead levels.

The results of this LBP determination are intended to provide guidance to contractors for occupational lead exposure controls. Building components coated with lead levels above industry standards may cause exposures to lead above OSHA standards during proposed demolition and renovation activities. The results of this determination are also intended to provide insight into waste disposal requirements, in accordance with EPA RCRA regulations.

A TCLP sample to characterize the expected waste that may result from demolition will be collected on October 23, 2023, as part of this inspection.

---

### 3.4 Conclusion and Recommendations

Based on our LBP determination results, LBP is present on coated building components located on and in the building that were tested by XRF as part of this limited inspection.

Contractors must be made aware that OSHA has not established a level of lead in a material below which Title 29 CFR, Part 1926.62 does not apply. Contractors shall comply with exposure assessment criteria, interim worker protection, and other requirements of the regulation as necessary to protect workers during any demolition work that will impact lead paint.

If disturbed by renovation or demolition activities, LBP-coated building components should be segregated from the general waste stream for sample collection and analysis by TCLP to determine proper off-site waste disposal. Fuss & O'Neill will collect a representative sample for TCLP analysis and results will be reported once received. If disturbed and managed off-site, non-porous LBP-coated building materials (i.e., metals) may be segregated and recycled as scrap metal. Metal LBP-coated building components cannot be subject to grinding, sawing, drilling, sanding, or torch cutting.

The building is not considered a “child-occupied facility” and is scheduled to be demolished and therefore, it is not subject to lead safe renovation requirements. If a specific component or surface is not identified as having been tested it should be presumed to contain lead paint unless tested. Contractors should be aware that the threshold limit of 1.0 mg/cm<sup>2</sup> for purposes of RRP requirements is not recognized by OSHA and workers exposures are still subject to lead in construction regulation 29 CFR 1926.62 regardless of paint testing results.

The building is presently characterized as commercial property, which is not subject to the State of Connecticut residential dwelling regulations. The property may be renovated using procedures required in accordance with OSHA regulation Title 29 CFR, Part 1926.62.

## 4 Lead Waste Characterization

A waste is a solid or liquid material that serves no further purpose. A waste is defined by EPA to be hazardous if it contains certain properties that could pose dangers to human health and the environment after it is discarded. Wastes that are ignitable, corrosive, reactive, or toxic are regulated under the Hazardous Waste Regulations. TCLP is a method that extracts the compounds of interest in a standard way simulating landfill conditions (EPA Title 40 CFR, Part 261).

---

### 4.1 Sample Collection Methodology

Mr. Paul Bateman collected representative aliquots of various lead-based paint-containing and lead-containing building components throughout the building. Material substrates such as brick, concrete, and wood were segregated in accordance with LBP determination data. Representative aliquots were



collected of the individual substrates/surfaces and composited based on their respective quantities into a single sample.

Complete Environmental Testing (CET) of Stratford, Connecticut analyzed the composite sample. CET is a Connecticut-certified laboratory. The sample was analyzed using EPA Method SW-846 (Extraction Method 1311).

---

## 4.2 Results

One composite sample was collected and analyzed. The Resource Conservation and Recovery Act (RCRA) defines toxic concentrations for lead which is commonly identified in paint to be equal to or greater than 5.0 milligrams per liter (mg/L), or parts per million (ppm).

The analytical results of the representative composite sample indicates the waste leaches lead at less than 5.0 mg/L (None Detected) and is therefore, not classified as a hazardous waste. Refer to *Appendix F* for the Lead Waste Characterization Laboratory Report and Chain of Custody Form.

---

## 4.3 Conclusion

Based on the TCLP laboratory analytical results of the representative waste stream composite sample, the representative materials would not be classified by EPA or CTDEEP as hazardous waste. Additional waste characterization sampling may be required for this site based on the method of remediation and waste segregation and/or the requirements of the disposal facility.

# 5 Polychlorinated Biphenyls (PCBs) Bulk Sample Analysis

---

## 5.1 Background

Sampling of building materials for PCBs is presently not mandated by the EPA. However, significant liability risk exists for improperly disposing of PCB- containing waste materials. Recent knowledge and awareness of PCBs within matrices such as caulking, glazing compounds, paints, adhesives and ceiling tiles has become more prevalent, especially amongst remediation contractors, waste haulers, and disposal facilities.

Many property owners have become subject to large changes in schedule, scope, and costs as a result of failure to identify these possible contaminants prior to renovation or demolition. We recommended this testing as part of the work. This information will serve as useful due to significant impact and potential requirements for planning required by the EPA which must be implemented if PCBs are identified at a project site.

The EPA requirements apply and require removal of PCBs once identified, regardless of project intent as an unauthorized use of PCBs. Therefore, if buildings are to remain for re-use and PCBs are identified, the EPA still requires PCB material removal once it is determined that PCBs are present. In addition to identification of source materials containing PCBs, if PCBs are present at certain

concentrations, additional sampling and analysis of adjacent surfaces in contact with PCB sources, or which may have been contaminated from a source of PCBs (e.g. soil), must also be performed or remediated.

EPA requirements apply only if PCBs are present in concentrations above a specified level. Presently, PCB-containing materials at concentrations equal to or greater than ( $\geq$ ) 50 ppm, or equivalent units of milligrams per kilogram (mg/kg) are regulated. Note materials containing less than ( $<$ ) 50 ppm may also be regulated unless proven to be an “Excluded PCB Product”. The definition of an Excluded PCB Product includes those products or source of the products containing  $<50$  ppm concentration PCBs that were legally manufactured, processed, distributed in commerce, or used before October 1, 1984.

---

## 5.2 Sampling

### Bulk Sampling of Source Materials

On September 29, 2023, Mr. Craig Cyr and Ms. Sandra Guzman collected sixty-five (65) bulk samples of door and window caulking and glazing compounds for PCB analysis. Sampling involved removal of bulk product materials (source materials) using hand tools to submit in bulk form to determine PCB content. Fuss & O’Neill used disposable tools to collect the samples. The sampling tools were discarded after each individual sample was collected to avoid cross contamination of samples. Each sample was placed in an individual container, labeled, and delivered to Phoenix Environmental Laboratories, in Manchester, CT using proper chain of custody. The analytical method for analysis included extraction method 3540C (Soxhlet) and analysis method SW-846 8082.

The EPA regulates materials containing  $\geq 50$  ppm. However, if PCB greater than 1 ppm are present in a material it must be demonstrated (proven) that the materials containing  $< 50$  ppm PCBs are an “Excluded PCB Product,” which for this circumstance would be a product legally manufactured or used prior to October 1, 1984.

---

## 5.3 Results

Fuss & O’Neill collected a total of 65 bulk samples for PCB content. Each sample was placed in a 4-ounce glass jar, labeled, and delivered to laboratory using proper chain of custody. **Table 3** identifies the collected samples by location, material type, sample number, and PCB content.

Refer to *Appendix G* for analytical results for samples collected on September 29, 2023.

---

## 5.4 Conclusions

Fuss & O’Neill collected bulk samples of caulking and glazing compounds for PCB analysis. The analytical results indicated the materials contained regulated concentrations ( $> 50$  ppm) of PCBs. These materials include the following:

### **Building 3**

White Door window glazing compounds

#### **Building 4**

- White Window glazing compound

Samples of substrates that are in contact with source materials should be collected and analyzed determine if the substrate has been contaminated by the PCB-containing glazing (> 50 ppm) that has leached. Samples of the above collected caulking and glazing compounds identified to contain PCBs were in contact with wood or metal will not require substrate sampling as it is assumed the door and window systems will be disposed as one unit.

#### **Building 3**

- White Door window glazing compound -

#### **Building 4**

- White Window glazing compound

Where source materials are identified in contact with porous substrates, samples of the substrate should be collected and analyzed to identify if the material was or was not contaminated. This testing will need to be conducted on the material that contains PCBs >1 ppm but <50 ppm to exclude them and are as follows:

#### **Building 3**

- Light gray door/window caulking compound

#### **Building 4**

- White window caulking compound

---

## **5.5 Adjacent Substrate Sampling**

On October 25, 2023, Mr. Craig Cyr performed supplemental testing for PCBs of adjacent substrates associated with PCB source materials. Adjacent substrate locations were established based on the highest PCB concentration reported within the homogeneous source sampling group.

Samples of porous substrates were collected during the supplemental inspection and analyzed to determine if the substrate has been contaminated by PCBs that may have leached from the source materials. Testing the substrates determines impacts to adjacent porous substrates as potential PCB Remedial Waste. Additionally, testing was performed to confirm that the source materials are or are not excluded from EPA regulation. Source materials and adjacent materials >1 ppm but < 50 ppm are still subject to CTDEEP statutory requirements for disposal.

Materials such as caulking/glazing compounds that were identified to contain PCBs but were in contact with metal were sampled however it is assumed the door and window systems will be disposed as one unit to include the metal.

The collected samples were delivered to Phoenix Analytical Laboratory in Manchester, Connecticut for PCB analysis. The analytical method for analysis included extraction method 3540C and analysis method SW846 8082.

---

## 5.6 Substrate Sample Results

The following substrate materials were reported to be none detected for PCBs.

- Brick (associated with white window frame caulk and dark gray window frame caulk)

**Table 4** summarizes the sampling conducted and laboratory results. Refer to *Appendix H* for analytical results for samples of substrates adjacent to source materials.

# 6 PCB-Containing Fluorescent Light Ballasts and Mercury-Containing Equipment

---

## 6.1 PCB-Containing Fluorescent Ballasts

Fluorescent light ballasts manufactured prior to 1979 may contain capacitors that contain PCBs. Light ballasts installed as late as 1985 may also contain PCB capacitors. Fluorescent light ballasts that are not labeled as "No-PCBs" must be assumed to contain PCBs, unless proven otherwise by quantitative analysis. Capacitors in fluorescent light ballasts labeled as non-PCB-containing may contain diethylhexyl phthalate (DEHP). DEHP was the primary substitute to replace PCBs for small capacitors in fluorescent light ballasts in use until 1991. DEHP is a toxic substance, a suspected carcinogen, and is listed under EPA RCRA and the Superfund law as a hazardous waste. Therefore, EPA Superfund liability exists for landfilling both PCB and DEHP-containing light ballasts. These listed materials are considered hazardous waste under EPA RCRA and require special handling and disposal considerations.

On October 25, 2023, Fuss & O'Neill representatives, Mr. Craig Cyr and Mr. Nolan Carrier performed a visual inspection of representative fluorescent light fixtures to identify possible PCB-containing light ballasts. The inspection involved visually inspecting labels on representative light ballasts to identify dates of manufacture and labels indicating "No PCBs". Ballasts manufactured after 1991 were not listed as PCB or DEHP-containing ballasts and were not quantified for disposal.

The light ballasts without a label indicating "No PCBs" are presumed to be PCB-containing waste and must be segregated for proper removal, packaging, transport, and disposal as PCB-containing waste. Those light ballasts labeled as "No PCBs" indicating manufacture dates prior to 1991 are presumed to contain DEHP. DEHP-containing light ballasts must be segregated for proper removal, packaging, transport, and disposal as non-PCB hazardous waste. Note that disposal requirements for DEHP-containing ballasts are slightly varied, and disposal costs are slightly less than PCB-containing light ballasts. Refer to **Table 5** for the PCB/DEHP-Containing Light Ballasts Inventory.

---

## 6.2 Mercury-Containing Equipment

Fluorescent lamps/tubes are presumed to contain mercury vapor, which is a hazardous substance to both human health and the environment. Thermostatic controls and electrical switch gear may contain a

vial or bulb of mercury associated with the control. Mercury-containing equipment is regulated for proper disposal by the EPA RCRA hazardous waste regulations. According to the EPA, mercury lamps are characterized as a Universal Waste. Therefore, fluorescent lamps must be either recycled, or disposed of as hazardous waste.

Fuss & O'Neill representative Mr. Craig Cyr performed an inventory of mercury equipment. These fixtures were inventoried in-place. Refer to **Table 6** for the Mercury-Containing Equipment Inventory.

## 7 Refrigerant Recover and Recycling

### 7.1 EPA Regulations, Section 609 of the Clean Air Act, Amendments of 1990

The most important parts of the amendments to Section 609 of the Federal Clean Air Act have to do with servicing MVAC systems. These regulations are detailed in 40 CFR Part 82: Protection of Stratospheric Ozone. In Subpart B, Servicing of Motor Vehicle Air Conditioners, specific sections lay the groundwork for responsible refrigerant management practices during system service.

#### 7.1.1 Section 82.34–Prohibitions and required Practices

This section requires that anyone repairing or servicing MVAC systems for hire must be properly trained and certified by an EPA-approved organization and the equipment used must also be EPA-approved. Also, this section prohibits the sale of Class I refrigerants in containers smaller than 20 pounds to anyone other than trained and certified personnel. Restrictions and requirements on refrigerant removed prior to motor vehicle disposal are also covered. Finally, refrigerant handling equipment can't be sold unless it meets specific requirements.

#### 7.1.2 Section 82.36–Approved refrigerant handling equipment

In this section, the EPA incorporates numerous standards from the Society of Automotive Engineers (SAE) that apply to the recovery and recycling of refrigerant. Standards that apply specifically to R-12 refrigerant include J1989, J1990, J1991 and J2209.

Similar standards also apply to the recovery and recycling of R-134a refrigerant. These include J2099, J2197, J2210, J2211 and J2788. SAE standard J2788 supersedes the older J2210 standard. J2788 only applies to refrigerant handling equipment manufactured or imported after December 31, 2007.

SAE standards J1990 (for R-12) and J2788 (for R-134a) and J2843 (for R-1234yf) establish requirements for recovery and recycling equipment. This includes hardware-related items, compliance with related SAE standards, and performance criteria.

The EPA requires refrigerant recovery/recycling equipment to be tested by an approved independent standards testing organization. Among other things, these tests confirm that the equipment meets the specifications in the applicable SAE standard.

The EPA allows the use of recovery-only equipment as long as the recovered refrigerant is sent to an off-site facility where the refrigerant is reclaimed, not recycled. Reclaimed refrigerant must meet a more stringent, like-new purity standard detailed in AHRI Standard 700,

### 7.1.3 "Specifications for Fluorocarbon Refrigerants," published by the Air-Conditioning, Heating, and Refrigeration Institute (AHRI).

Under Section 609, refrigerant removed from a system using recovery-only equipment can be transferred to recovery/recycling equipment, recycled and then reused in an MVAC or MVAC-like system or it can be sent to a reclaimer (Contaminated R-1234yf will always need to be reclaimed because J2843 requires 98% purity before it will recover and recycle.)

---

## 7.2 Conclusion

There are three intact HVAC units on the building roof (2 units on Building 1 - R22 refrigerant, 1 unit on Building 4 - R4 10A refrigerant). All other roof units have had interior components removed. Units with refrigerants will need to be properly drained prior to demolition and disposed of according to regulations.

Report prepared by Environmental Technician Craig Cyr and Environmental Analyst Stacy Vanderveer.

Reviewed by:



Carlos Texidor  
Associate

## Tables

---

**Table 1**  
**Summary of Suspect Asbestos-Containing Materials**

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
<b>Building 1</b>				
20230817-CC-01A	Building 1 SW corner pillar	Red brick	ND	PLM
20230817-CC-01B	Building 1 SW corner pillar	Red brick	ND	PLM
20230817-CC-02A	Building 1 SW corner pillar	Gray mortar associated with red brick	ND	PLM
20230817-CC-02B	Building 1 SW corner pillar	Gray mortar associated with red brick	ND	PLM
20230817-CC-03A	Building 1 E side of S elevation (Front)	Black caulk on window between glass and frame	ND	PLM
20230817-CC-03B	Building 1 E side of S elevation	Black caulk on window between glass and frame	ND	PLM
20230817-CC-04A	Building 1 E of entrance door of S elevation	Tan caulk on window between glass and frame	ND	PLM
20230817-CC-04B	Building 1 W of entrance door of S elevation	Tan caulk on windows between glass and frame	ND	PLM
20230817-CC-05A	Building 1 Corner of step at S elevation walkway	Tan fibrous asphaltic expansion joint	ND	PLM
20230817-CC-05B	Building 1 Corner of step at S elevation walkway	Tan fibrous asphaltic expansion joint	ND	PLM
20230817-CC-06A	Building 1 W side of walkway, S elevation	Dark brown fibrous walkway crack repair caulk	ND	PLM
20230817-CC-06B	Building 1 W side of walkway, S elevation	Dark brown fibrous walkway repair caulk	ND	PLM
20230817-CC-07A	Building 1 Between building 1 and 2, S elevation	Black asphaltic expansion joint	ND	PLM
20230817-CC-07B	Building 1 Between building 1 and 2, S elevation	Black asphaltic expansion joint	ND	PLM
<b>20230817-CC-08A</b>	<b>Building 1 E side of roof, S elevation</b>	<b>Light gray cementitious perforated panel ceiling of walkway canopy roof</b>	<b>15% Chrysotile</b>	
<b>20230817-CC-08B</b>	<b>Building 1 West side of roof, S elevation</b>	<b>Light gray cementitious perforated panel ceiling of walkway canopy roof</b>	<b>NA/Pos Stop</b>	<b>-----</b>
20230817-CC-09A	Building 1 West elevation	Light tan caulk around door frame of center door	ND	PLM
20230817-CC-09B	Building 1 West elevation	Light tan caulk around door frame of center door	ND	PLM
20230817-CC-10A	Building 1 North elevation	Light gray caulk around door frame of back door	ND	PLM
20230817-CC-10B	Building 1 North elevation	Light gray caulk around door frame of back door	ND	PLM



Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230817-CC-11A	Buildings 1 & 2 NE corner where between B1 and B2 meet	White vertical expansion joint caulk	ND	PLM
20230817-CC-11B	Buildings 1 & 2 NE corner where between B1 and B2 meet	White joint caulk	ND	PLM
<b>20230829-FR-01A</b>	<b>Building 1 Sealant on Soffit to Brick on Building 2 SW</b>	<b>Black Tar</b>	<b>ND</b>	<b>PLM</b>
<b>20230829-FR-01B</b>	<b>Building 1 Sealant on Soffit to Brick on Building 2 SW</b>	<b>Black Tar</b>	<b>3% Chrysotile</b>	<b>PLM</b>
<b>20230829-FR-02A</b>	<b>Building 1 Roof Compressor on Eastern Side</b>	<b>Black Tar</b>	<b>10% Chrysotile</b>	<b>PLM</b>
<b>20230829-FR-02B</b>	<b>Building 1 Roof Compressor on Eastern Side</b>	<b>Black Tar</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
20230829-FR-03A	Building 1 Roof AC Unit East	Black Tar	ND	PLM
20230829-FR-03B	Building 1 Roof/AC Unit East	Black Tar	ND	PLM
<b>20230829-FR-04A</b>	<b>Building 1 Roof/Soffit Sealant-South</b>	<b>Black Tar with Silver Paint</b>	<b>8% Chrysotile</b>	<b>PLM</b>
<b>20230829-FR-04B</b>	<b>Building 1 Roof/Soffit Sealant-South</b>	<b>Black Tar with Silver Paint</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
20230829-FR-05A	Building 1 Roof/Rubber Roof Sealant – South near Soffit	Black Rubber Sealant & Tar	ND	PLM
20230829-FR-05B	Building 1 Roof/Rubber Roof Sealant – South near Soffit	Black Rubber Sealant & Tar	ND	PLM
20230829-FR-06A	Building 1 Roof/Exhaust Fan North Ctr	Black Tar Sealant	ND	PLM
20230829-FR-06B	Building 1 Roof/Exhaust Fan North Ctr	Black Tar Sealant	ND	PLM
20230829-FR-07A	Building 1 Roof/Exhaust Fan North Ctr	White Caulk	ND	PLM
20230829-FR-07B	Building 1 Roof/Exhaust Fan North Ctr	White Caulk	ND	PLM
20230829-CC-08A	Building 1 Roof/Panel on Brick Horizontal Joint Halfway up Building 2 Wall	White Caulk	ND	PLM
20230829-CC-08B	Building 1 Roof/Panel on Brick Horizontal Joint Halfway up Building 2 Wall	White Caulk	ND	PLM
20230829-CC-09A	Building 1 Roof/Wall Panel on Building 2 Side Center North	White Caulk	ND	PLM
20230829-CC-09B	Building 1 Roof/Wall Panel on Building 2 Side Center North	White Caulk	ND	PLM
<b>20230829-CC-10A</b>	<b>Building 1 Roof/Patch @ Panel of Side Wall West of Building 2 North End of Wall</b>	<b>Black Tar</b>	<b>10% Chrysotile</b>	<b>PLM</b>

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
<b>20230829-CC-10B</b>	<b>Building 1 Roof/Patch @ Panel of Side Wall West of Building 2 North End of Wall</b>	<b>Black Tar</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
20230829-CC-11A	Building 1 Roof/NE Roof Patch Around Pipe	White Caulk	ND	PLM
20230829-CC-11B	Building 1 Roof/NE Roof Patch Around Pipe	White Caulk	ND	PLM
20230829-CC-12A	Building 1 Roof/Joint Between Buildings 1 and 2	Black Tar	ND	PLM
20230829-CC-12B	Building 1 Roof/Joint Between Buildings 1 and 2	Black Tar	ND	PLM
20230915-CC-22A	Southwest Corner of Storeroom	½" Gypsum Drywall – Gray (painted yellow)	ND	PLM
20230915-CC-22B	Southwest Corner of Storeroom	½" Gypsum Drywall – Gray (painted yellow)	ND	PLM
20230915-CC-22C	Northwest Corner of Storage Room	½" Gypsum Drywall – Gray (painted white)	ND	PLM
20230915-CC-22D	Northwest Corner of Storage Room	½" Gypsum Drywall – Gray (painted white)	ND	PLM
20230915-CC-22E	Northwest Corner of Storage Room	½" Gypsum Drywall – Gray (painted white)	ND	PLM
20230915-CC-23A	Southwest Corner of Storeroom	Tape & Joint Compound Associated with Drywall (painted yellow)	ND	PLM
20230915-CC-23B	Southwest Corner of Storeroom	Tape & Joint Compound Associated with Drywall (painted yellow)	ND	PLM
20230915-CC-23C	Northwest Corner of Storage Room	Tape & Joint Compound Associated with Drywall (painted white)	ND	PLM
20230915-CC-23D	Northwest Corner of Storage Room	Tape & Joint Compound Associated with Drywall (painted white)	ND	PLM
20230915-CC-23E	Northwest Corner of Storage Room	Tape & Joint Compound Associated with Drywall (painted white)	ND	PLM
20230915-CC-24A	West Wall of Storeroom in Front of Emergency Exit	12"x12" White and Gray Specks Vinyl Floor Tile	ND	PLM
20230915-CC-24B	West Wall of Storeroom in Front of Emergency Exit	12"x12" White and Gray Specks Vinyl Floor Tile	ND	PLM
20230915-CC-24C	Northeast Corner of Storeroom	12"x12" White and Gray Specks Vinyl Floor Tile	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230915-CC-24D	Northeast Corner of Storeroom	12"x12" White and Gray Specks Vinyl Floor Tile	ND	PLM
20230915-CC-24E	North (center) of Storeroom	12"x12" White and Gray Specks Vinyl Floor Tile	ND	PLM
20230915-CC-25A	West Wall of Storeroom in Front of Emergency Exit	Tan Adhesive under 12"x12" White and Gray Specks floor tile	ND	PLM
20230915-CC-25B	West Wall of Storeroom in Front of Emergency Exit	Tan Adhesive under 12"x12" White and Gray Specks floor tile	ND	PLM
20230915-CC-25C	Northeast Corner of Storeroom	Tan Adhesive under 12"x12" White and Gray Specks floor tile	ND	PLM
20230915-CC-25D	Northeast Corner of Storeroom	Tan Adhesive under 12"x12" White and Gray Specks floor tile	ND	PLM
20230915-CC-25E	North (center) of Storeroom	Tan Adhesive under 12"x12" White and Gray Specks floor tile	ND	PLM
20230915-CC-26A	Southwest Corner of Storeroom	12"x12" White Floor Tile Over Concrete	ND	PLM
20230915-CC-26B	Southwest Corner of Storeroom	12"x12" White Floor Tile Over Concrete	ND	PLM
20230915-CC-26C	Southwest Corner of Storeroom	12"x12" White Floor Tile Over Concrete	ND	PLM
20230915-CC-26D	North (center) of Storeroom	12"x12" White Floor Tile Over Concrete	ND	PLM
20230915-CC-26E	North (center) of Storeroom	12"x12" White Floor Tile Over Concrete	ND	PLM
20230915-CC-27A	Southwest Corner of Storeroom	Black Adhesive under 12"x12" White Floor Tile	ND	PLM
20230915-CC-27B	Southwest Corner of Storeroom	Black Adhesive under 12"x12" White Floor Tile	ND	PLM
20230915-CC-27C	Southwest Corner of Storeroom	Black Adhesive under 12"x12" White Floor Tile	ND	PLM
20230915-CC-27D	North (center) of Storeroom	Black Adhesive under 12"x12" White Floor Tile	ND	PLM
20230915-CC-27E	North (center) of Storeroom	Black Adhesive under 12"x12" White Floor Tile	ND	PLM
20230915-CC-28A	West Wall of Storeroom in Front of Emergency Exit	4"x12" Light Gray and Dark Gray Specks Cove Base Tile	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230915-CC-28B	Southwest Corner of Storeroom	4"x12" Light Gray and Dark Gray Specks Cove Base Tile	ND	PLM
20230915-CC-28C	Southwest Corner of Storeroom	4"x12" Light Gray and Dark Gray Specks Cove Base Tile	ND	PLM
20230915-CC-29A	West Wall of Storeroom in Front of Emergency Exit	White Glue Daub behind 4"x12" Light Gray and Dark Gray Specks Cove Base Tile	ND	PLM
20230915-CC-29B	Southwest Corner of Storeroom	White Glue Daub behind 4"x12" Light Gray and Dark Gray Specks Cove Base Tile	ND	PLM
20230915-CC-29C	Southwest Corner of Storeroom	White Glue Daub behind 4"x12" Light Gray and Dark Gray Specks Cove Base Tile	ND	PLM
20230915-CC-30A	South Wall West End of Kitchen	4"x4" Red Quarry Tile Cove Base	ND	PLM
20230915-CC-30B	South Wall West End of Kitchen	4"x4" Red Quarry Tile Cove Base	ND	PLM
20230915-CC-30C	South Wall West End of Kitchen	4"x4" Red Quarry Tile Cove Base	ND	PLM
20230915-CC-31A	South Wall West End of Kitchen	Gray Grout Between Red Quarry Cove Base Tiles	ND	PLM
20230915-CC-31B	South Wall West End of Kitchen	Gray Grout Between Red Quarry Cove Base Tiles	ND	PLM
20230915-CC-31C	South Wall West End of Kitchen	Gray Grout Between Red Quarry Cove Base Tiles	ND	PLM
20230915-CC-32A	South Wall West End of Kitchen	White Thin Set Behind Red Quarry Cove Base Tiles	ND	PLM
20230915-CC-32B	South Wall West End of Kitchen	White Thin Set Behind Red Quarry Cove Base Tiles	ND	PLM
20230915-CC-32C	South Wall West End of Kitchen	White Thin Set Behind Red Quarry Cove Base Tiles	ND	PLM
20230915-CC-33A	Northwest Corner of Kitchen	4"x4" Red Quarry Tile Floor over concrete	ND	PLM
20230915-CC-33B	Northwest Corner of Kitchen	4"x4" Red Quarry Tile Floor over concrete	ND	PLM
20230915-CC-33C	Center of Kitchen Floor	4"x4" Red Quarry Tile Floor over concrete	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230915-CC-34A	Northwest Corner of Kitchen	Gray Grout Between Red Quarry Floor Tiles	ND	PLM
20230915-CC-34B	Northwest Corner of Kitchen	Gray Grout Between Red Quarry Floor Tiles	ND	PLM
20230915-CC-34C	Center of Kitchen Floor	Gray Grout Between Red Quarry Floor Tiles	ND	PLM
20230915-CC-35A	Northwest Corner of Kitchen	Light Gray Mudset Under Red Quarry Floor Tiles	ND	PLM
20230915-CC-35B	Center of Kitchen Floor	Light Gray Mudset Under Red Quarry Floor Tiles	ND	PLM
20230915-CC-35C	Center of Kitchen Floor	Light Gray Mudset Under Red Quarry Floor Tiles	ND	PLM
20230915-CC-36A	East Storeroom in Front of Bathroom Door	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Small Fissures	ND	PLM
20230915-CC-36B	East Storeroom in Front of Bathroom Door	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Small Fissures	ND	PLM
20230915-CC-36C	West Storeroom in Front of Emergency Exit	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Small Fissures	ND	PLM
20230915-CC-37A	North Kitchen in Front of Rear Exit Door	2'x4' Suspended Gypsum Board Ceiling Tile – White Rough Sand Texture	ND	PLM
20230915-CC-37B	North Kitchen in Front of Rear Exit Door	2'x4' Suspended Gypsum Board Ceiling Tile – White Rough Sand Texture	ND	PLM
20230915-CC-37C	North Kitchen in Front of Rear Exit Door	2'x4' Suspended Gypsum Board Ceiling Tile – White Rough Sand Texture	ND	PLM
20230915-CC-38A	Kitchen Rear Exit Door Frame	White Caulk at Vertical (metal frame to metal wall) Joint	ND	PLM
20230915-CC-38B	Kitchen Rear Exit Door Frame	White Caulk at Vertical (metal frame to metal wall) Joint	ND	PLM
20230915-CC-38C	Kitchen Rear Exit Door Frame	White Caulk at Vertical (metal frame to metal wall) Joint	ND	PLM
<b>Building 2</b>				
20230817-CC-01A	Building 2 SE corner	White brick with black speckles	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230817-CC-01B	Building 2 SW corner	White brick with black speckles	ND	PLM
20230817-CC-02A	Building 2 SE corner	Gray mortar associated with white brick, black speckles	ND	PLM
20230817-CC-02B	Building 2 SW corner	Gray mortar associated with white brick, black speckles	ND	PLM
20230817-CC-03A	Building 2 East side of South elevation	Red brick (painted white)	ND	PLM
20230817-CC-03B	Building 2 West side of South elevation	Red brick (painted white)	ND	PLM
20230817-CC-04A	Building 2 East side, South elevation	white mortar associated with red brick (painted white)	ND	PLM
20230817-CC-04B	Building 2 West side, South elevation	white mortar associated with red brick (painted white)	ND	PLM
20230817-CC-05A	Building 2 East side, South elevation	Smooth gravel textured parging below windows on concrete	ND	PLM
20230817-CC-05B	Building 2 West side, South elevation	Smooth gravel textured parging below windows on concrete	ND	PLM
20230817-CC-06A	Building 2 East side, South elevation	Gray gravel textured parging patch material below windows over smooth gravel textured parging	ND	PLM
20230817-CC-06B	Building 2 West side, South elevation	Gray gravel textured parging patch material below windows over smooth gravel textured parging	ND	PLM
20230817-CC-07A	Building 2 West of entrance, South elevation	Black caulk on window frame between glass and frame	ND	PLM
20230817-CC-07B	Building 2 West of entrance, South elevation	Black caulk on window frame between glass and frame	ND	PLM
20230817-CC-08A	Building 2 East of entrance, South elevation	Light gray caulk on window frame between glass and frame	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230817-CC-08B	Building 2 West of entrance, South elevation	Light gray caulk on window frames between glass and frame	ND	PLM
20230817-CC-09A	Building 2 East of entrance, South elevation	Silver caulk on window between glass and frame	ND	PLM
20230817-CC-09B	Building 2 West of entrance, South elevation	Silver caulk on windows between glass and frame	ND	PLM
20230817-CC-10A	Building 2 South elevation	Black asphaltic expansion joint around entrance doors	ND	PLM
20230817-CC-10B	Building 2 South elevation	Black asphaltic expansion joint around entrance doors	ND	PLM
<b>20230817-CC-11A</b>	<b>Building 2 East edge, South elevation</b>	<b>Light gray cementitious perforated panel ceiling of walkway canopy roof</b>	<b>15% Chrysotile</b>	<b>PLM</b>
<b>20230817-CC-11B</b>	<b>Building 2 10' West of entrance, South elevation</b>	<b>Light gray cementitious perforated panel ceiling of walkway canopy roof</b>	<b>NA/Pos Stop</b>	<b>-----</b>
20230817-CC-12A	Building 2 Northeast wall corner	Gray CMU (white sand texture coating)	ND	PLM
20230817-CC-12B	Building 2 Northwest corner	Gray CMU (white sand texture coating)	ND	PLM
20230817-CC-13A	Building 2 North end of East wall	Gray CMU wall cement filled patch	ND	PLM
20230817-CC-13B	Building 2 North end of East wall	Gray CMU wall cement filled patch	ND	PLM
20230817-CC-14A	Building 2 Northeast wall corner	Gray mortar associated with CMU wall	ND	PLM
20230817-CC-14B	Building 2 Center of North wall	Gray mortar associated with CMU wall	ND	PLM
20230817-CC-15A	Building 2 Center of West wall	White CMU sand texture coating	ND	PLM
20230817-CC-15B	Building 2 West end of North wall	White CMU sand texture coating	ND	PLM
20230817-CC-15C	Building 2 N end of E wall	White CMU sand texture coating	ND	PLM
<b>20230817-CC-16A</b>	<b>Building 2 Center of N wall</b>	<b>Gray original horizontal wall joint caulk</b>	<b>5% Chrysotile</b>	<b>PLM</b>
<b>20230817-CC-16B</b>	<b>Building 2 40' W edge of N wall</b>	<b>Gray original horizontal wall joint caulk</b>	<b>NA/Pos Stop</b>	<b>-----</b>
<b>20230817-CC-17A</b>	<b>Building 2 10' N of B1 on W wall</b>	<b>White horizontal wall joint repair caulk</b>	<b>3% Chrysotile</b>	<b>PLM</b>

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230817-CC-17B	Building 2 Center of N wall	White horizontal wall joint repair caulk	NA/Pos Stop	-----
20230817-CC-17C	Building 2 10' E of W edge on N wall	White horizontal wall joint repair caulk	NA/Pos Stop	-----
20230817-CC-17D	Building 2 10' S of N edge on E wall	White horizontal wall joint repair caulk	NA/Pos Stop	-----
20230817-CC-18A	Building 2 Former canopy, center E wall	Black horizontal flashing caulk	ND	PLM
20230817-CC-18B	Building 2 Former canopy, center E wall	Black horizontal flashing caulk	ND	PLM
20230817-CC-19A	Building 2 Center of N wall	White caulk between door frame and CMU	3% Chrysotile	PLM
20230817-CC-19B	Building 2 East end of North wall between dumpster chute & CMU wall	White caulk between dumpster chute metal and CMU	NA/Pos Stop	-----
20230817-CC-19C	Building 2 N edge of E wall	White caulk between door frame and CMU	NA/Pos Stop	-----
20230817-CC-20A	Building 2 N edge of E wall	Tan metal door core paper from door	ND	PLM
20230817-CC-20B	Building 2 N edge of E wall	Tan metal door core paper from door	ND	PLM
20230817-CC-21A	Building 2 N edge of E wall	Light tan door core paper adhesive from door	ND	PLM
20230817-CC-21B	Building 2 N edge of E wall	Light tan door core paper adhesive from door	ND	PLM
20230829-EC-13A	Building 2 Roof/Center Roof Field	4 Ply Black Asphaltic Roof Membrane	ND	PLM
20230829-FR-13B	Building 2 Roof/Southeast Roof Field	4 Ply Black Asphaltic Roof Membrane	ND	PLM
20230829-FR-13C	Building 2 Roof/NW Roof Field	4 Ply Black Asphaltic Roof Membrane	ND	PLM
20230829-FR-14A	Building 2 Roof/NW Curb	4 Ply Built up roof flashing	15% Chrysotile	PLM
20230829-FR-14B	Building 2 Roof/NW Curb	4 Ply Built up roof flashing	NA/Pos Stop	PLM
20230829-FR-15A	Building 2 Roof/Parapet Wall Flashing on Brick	Black Asphaltic 4 Ply Flashing	15% Chrysotile	PLM
20230829-FR-15B	Building 2 Roof/Southeast Flashing on Equipment	Black Asphaltic 4 Ply Flashing	NA/Pos Stop	PLM
20230829-FR-15C	Building 2 Roof/NE Flashing	Black Asphaltic 4 Ply Flashing	NA/Pos Stop	PLM
20230829-FR-16A	Building 2 Roof/Center Field	Black Paperback of Isoform Board	6% Chrysotile	PLM



Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230829-FR-16B	Building 2 Roof/NW Field	Black Paperback of Isoform Board	NA/Pos Stop	PLM
20230829-FR-16C	Building 2 Roof/SE Field	Black Paperback Isoform Board	NA/Pos Stop	PLM
20230829-FR-17A	Building 2 Roof/NE Flashing	Black Paperback Isoform Board	ND	PLM
20230829-FR-17B	Building 2 Roof/NW Flashing	Black Paperback Isoform Board	ND	PLM
20230829-FR-17C	Building 2 Roof/SE Flashing	Black Paperback Isoform Board	ND	PLM
20230829-FR-18A	Building 2 Roof/Center Field	Black Tar under Isoform on Sheet Metal	ND	PLM
20230829-FR-18B	Building 2 Roof/Center Field	Black Tar under Isoform on Sheet Metal	ND	PLM
20230829-FR-19A	Building 2 Roof/NW Corner Curb	Black Paperback of Isoform Board	8% Chrysotile	PLM
20230829-FR-19B	Building 2 Roof/NW Corner Curb	Black Paperback of Isoform Board	NA/Pos Stop	PLM
20230829-FR-20A	Building 2 Roof/NW Corner Curb	Fiberboard	ND	PLM
20230829-FR-20B	Building 2 Roof/NE Corner Curb	Fiberboard	ND	PLM
20230829-FR-20C	Building 2 Roof/SE Corner Curb	Fiberboard	ND	PLM
20230829-FR-21A	Building 2 Roof/Electrical Conduit Box	Black Joint Tar	ND	PLM
20230829-FR-21B	Building 2 Roof	Electrical Conduit Box/Black Joint Tar	ND	PLM
20230829-FR-22A	Building 2 Roof/East Edge Center	Large Tar Roof Patch	ND	PLM
20230829-FR-22B	Building 2 Roof/East Edge Center	Large Tar Roof Patch	ND	PLM
20230829-FR-22C	Building 2 Roof/East Edge Center	Large Tar Roof Patch	ND	PLM
20230829-FR-23A	Building 2 Roof/East Chimney	White Caulk	3% Chrysotile	PLM
20230829-FR-23B	Building 2 Roof/East Chimney	White Caulk	NA/Pos Stop	PLM
20230829-FR-24A	Building 2 Roof/East Edge Roof Vent	Silver Coating	5% Chrysotile	PLM
20230829-FR-24B	Building 2 Roof/East Edge Roof Vent	Silver Coating	NA/Pos Stop	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230829-NC-01A	Building 2 SW corner of carpet area left of entry	12x12 White Vinyl Floor Tile	ND	PLM
20230829-NC-01B	Building 2 NW tile walkway next to corner pillar	12x12 White Vinyl Floor Tile	ND	PLM
20230829-NC-01C	Building 2 NE corner tile walkway near partition wall	12x12 White Vinyl Floor Tile	ND	PLM
20230829-NC-02A	Building 2 SW corner of carpet area left of entry	9x9 Blue Vinyl Floor Tile	Not Analyzed	PLM
20230829-NC-02B	Building 2 SE tile walkway towards office #1	9x9 Blue Vinyl Floor Tile	Not Analyzed	PLM
20230829-NC-02C	Building 2 NE tile walkway near partition wall	9x9 Blue Vinyl Floor Tile	Not Analyzed	PLM
20230829-NC-03A	Building 2 SW corner of carpet area left of entry	Yellow Mastic associated with 12x12 White Vinyl Floor Tile	ND	PLM
20230829-NC-03B	Building 2 NW tile walkway next to corner pillar	Yellow Mastic associated with 12x12 White Vinyl Floor Tile	ND	PLM
20230829-NC-03C	Building 2 NE corner tile walkway near partition wall	Yellow Mastic associated with 12x12 White Vinyl Floor Tile	ND	PLM
20230829-NC-04A	<b>Building 2 SW corner of carpet area left of entry</b>	<b>Black Mastic associated with 9x9 Blue Vinyl Floor Tile</b>	<b>8% Chrysotile</b>	<b>PLM</b>
20230829-NC-04B	<b>Building 2 SE tile walkway towards office #1</b>	<b>Black Mastic associated with 9x9 Blue Vinyl Floor Tile</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
20230829-NC-04C	<b>Building 2 NE tile walkway near partition wall</b>	<b>Black Mastic associated with 9x9 Blue Vinyl Floor Tile</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
20230829-NC-05A	Building 2 NE side in front partition wall	9x9 Grey Vinyl Floor Tile	5% Chrysotile	PLM
20230829-NC-05B	Building 2 SW corner of carpet area left of entry	9x9 Grey Vinyl Floor Tile	5% Chrysotile	PLM
20230829-NC-05C	Building 2 NW corner of tile walkway towards storage Room	9x9 Grey Vinyl Floor Tile	5% Chrysotile	PLM
20230829-NC-06A	Building 2 SW side of grey (carpet/tile) walkway border	9x9 Yellow Vinyl Floor Tile	5% Chrysotile	PLM
20230829-NC-06B	Building 2 NW side of grey (carpet/tile) walkway border	9x9 Yellow Vinyl Floor Tile	5% Chrysotile	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230829-NC-06C	Building 2 NW side of back grey carpet towards storage area	9x9 Yellow Vinyl Floor Tile	5% Chrysotile	PLM
20230829-NC-07A	Building 2 SE front green carpet area near entry tile walkway	Concealed Spline 12x12 Ceiling Tile (Textured)	ND	PLM
20230829-NC-07B	Building 2 NE side after partition wall in front Room #4	Concealed Spline 12x12 Ceiling Tile (Textured)	ND	PLM
20230829-NC-07C	Building 2 NW side near grey carpet/tile walkway towards storage area	Concealed Spline 12x12 Ceiling Tile (Textured)	ND	PLM
20230829-NC-08A	Building 2 SW side near grey carpet/blue cabinets	Concealed Spline 12x12 Ceiling Tile	ND	PLM
20230829-NC-08B	Building 2 SW side after blue cabinets on grey carpet	Concealed Spline 12x12 Ceiling Tile	ND	PLM
20230829-NC-08C	Building 2 NW tile walkway leading to W. side exit door	Concealed Spline 12x12 Ceiling Tile	ND	PLM
20230829-NC-09A	Building 2 N facing wall outside Room #2	White 1/2" Gypsum Drywall	ND	PLM
20230829-NC-09B	Building 2 E facing wall in Room #3	White 1/2" Gypsum Drywall	ND	PLM
20230829-NC-09C	Building 2 S facing partition wall between Rooms #3 & 4	White 1/2" Gypsum Drywall	ND	PLM
20230829-NC-10A	Building 2 SE green carpeted area right of entry	Black Vinyl 4" Cove Base	ND	PLM
20230829-NC-10B	Building 2 E side wall outside Room#3	Black Vinyl 4" Cove Base	ND	PLM
20230829-NC-10C	Building 2 N facing wall at rear of Building next to Storage Room	Black Vinyl 4" Cove Base	ND	PLM
20230829-NC-11A	Building 2 SE green carpeted area right of entry	Yellow Mastic associated with Black Vinyl 4" Cove Base	ND	PLM
20230829-NC-11B	Building 2 E side wall outside Room#3	Yellow Mastic associated with Black Vinyl 4" Cove Base	ND	PLM
20230829-NC-11C	Building 2 N facing wall at rear of Building next to Storage Room	Yellow Mastic associated with Black Vinyl 4" Cove Base	ND	PLM
20230829-NC-12A	Building 2 SW wall grey carpet area before blue cabinets	Yellow Mastic Under Grey Carpet	ND	PLM
20230829-NC-12B	Building 2 SE side in front of Room #2 adjacent To tile walkway	Yellow Mastic Under Grey Carpet	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230829-NC-12C	Building 2 NW side after blue cabinet area near side exit door	Yellow Mastic Under Grey Carpet	ND	PLM
20230829-NC-13A	Building 2 SW corner of brown carpeted area left of entry	Yellow Mastic Under Brown Carpet	ND	PLM
20230829-NC-13B	Building 2 W side near border of tile walkway(brown carpeted area)	Yellow Mastic Under Brown Carpet	ND	PLM
20230829-NC-13C	Building 2 E side of center brown carpeted area facing Room #2	Yellow Mastic Under Brown Carpet	ND	PLM
20230829-NC-14A	Building 2 SW far corner left of entry green carpeted area	Yellow Mastic Under Green Carpet	ND	PLM
20230829-NC-14B	Building 2 SW close corner left of entry in green carpeted area	Yellow Mastic Under Green Carpet	ND	PLM
20230829-NC-14C	Building 2 SE corner on S. facing side of wall for Room #1	Yellow Mastic Under Green Carpet	ND	PLM
20230829-NC-15A	Building 2 SW grey carpeted area before blue cabinets	Black Tape over 9x9 Yellow Tile	ND	PLM
20230829-NC-15B	Building 2 SW grey carpeted area in front of blue cabinets	Black Tape over 9 x 9 Yellow Tile	ND	PLM
20230829-NC-15C	Building 2 NW grey carpeted area after blue cabinets	Black Tape over 9 x 9 Yellow Tile	ND	PLM
20230829-NC-16A	Building 2 SW windowsill left of entry	Front Windowsill Tar Paper, Black	ND	PLM
20230829-NC-16B	Building 2 SE corner Windowsill right of entry	Front Windowsill Tar Paper, Black	ND	PLM
20230829-NC-16C	Building 2 corner Near W. facing wall on windowsill	Front Windowsill Tar Paper, Black	ND	PLM
<b>Building 3</b>				
20230817-CC-01A	Building 3 E end of S elevation	White brick	ND	PLM
20230817-CC-01B	Building 3 W end of S elevation	White brick	ND	PLM
20230817-CC-02A	Building 3 E end of S elevation	White mortar associated with white brick	ND	PLM
20230817-CC-02B	Building 3 W end of S elevation	White mortar associated with white brick	ND	PLM
20230817-CC-03A	Building 3 E side of S elevation	Smooth gravel textured parging below windows over cement	ND	PLM
20230817-CC-03B	Building 3 W end of S elevation	Smooth gravel textured parging below windows over cement	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230817-CC-04A	Building 3 E side of S elevation	Gray gravel textured parking patch material below windows over smooth gravel textured parking	ND	PLM
20230817-CC-04B	Building 3 W side of S elevation	Gray gravel textured parking patch material below windows over smooth gravel textured parking	ND	PLM
20230817-CC-05A	Building 3 East door at South elevation	Gray caulk from East side of door frame between glass and frame	ND	PLM
20230817-CC-06A	Building 3 East door at South elevation	Silver caulk from bottom of windows between glass and frame	ND	PLM
20230817-CC-07A	Building 3 East entrance door windows, South elevation	White glazing between glass and frame	ND	PLM
20230817-CC-07B	Building 3 West entrance door windows, S elevation	White glazing between glass and frame	ND	PLM
20230817-CC-08A	Building 3 East side of roof, S elevation	Light gray cementitious perforated panel ceiling of walkway canopy roof	15% Chrysotile	PLM
20230817-CC-08B	Building 3 West end of roof, S elevation	Light gray cementitious perforated panel ceiling of walkway canopy roof	NA/Pos Stop	-----
20230817-CC-09A	Building 3 West end, S elevation	Black asphaltic roof membrane on top of walkway canopy	8% Chrysotile	PLM
20230817-CC-09B	Building 3 Center of South elevation	Black asphaltic roof membrane on top of walkway canopy	NA/Pos Stop	-----
20230817-CC-10A	Building 3 North wall 20' E of B4	Gray CMU (white sand textured coating)	ND	PLM
20230817-CC-11A	Building 3 NE corner where between B1 and B2 meet	Light gray CMU mortar from N wall 20' E of B4 (white sand texture coating)	ND	PLM
20230817-CC-12A	Building 3 N wall 20' E of B4	White sand texture wall coating over CMU wall	ND	PLM
20230817-CC-13A	Building 3 Center of North wall	Gray caulk from vertical wall seam	3% Chrysotile	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
<b>20230817-CC-13B</b>	<b>Building 320' E of B4 North wall</b>	<b>Gray caulk from horizontal seam</b>	<b>NA/Pos Stop</b>	<b>-----</b>
20230817-CC-14A	Center of N wall	White caulk from 5' overhead door between frame and CMU	ND	PLM
20230817-CC-14B	Building 3 Center of N wall	White caulk from 5' overhead door between frame and CMU	ND	PLM
20230817-CC-15A	Building 3 Center of N wall	Black condenser unit fabric connector	ND	PLM
20230817-CC-16A	Building 3 Center of N wall	Clear condenser unit caulk between wall and unit	ND	PLM
20230829-FR-25A	Building 3 Roof/North Roof Field	4 Ply Asphaltic Layers over 2" Isoform Foam	ND	PLM
<b>20230829-FR-25B</b>	<b>Building 3 Roof/South Roof Field</b>	<b>4 Ply Asphaltic Roof over 2" Isoform Foam</b>	<b>10% Chrysotile</b>	<b>PLM</b>
<b>20230829-FR-26A</b>	<b>Building 3 Roof/Roof Curb North</b>	<b>4 Ply Asphaltic roof over 2" Isoform Foam</b>	<b>15% Chrysotile</b>	<b>PLM</b>
<b>20230829-FR-26B</b>	<b>Building 3 Roof/Roof Curb South</b>	<b>4 Ply Asphaltic Layers over 2" Isoform Foam</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
<b>20230829-FR-27A</b>	<b>Building 3 Roof/Roof Flashing South</b>	<b>4 Ply Asphaltic roof over No Isoform Foam</b>	<b>8% Chrysotile</b>	<b>PLM</b>
<b>20230829-FR-27B</b>	<b>Building 3 Roof/Roof Flashing North</b>	<b>4 Ply Asphaltic Layers over 2" Isoform Foam</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
20230829-FR-28A	Building 3 Roof/North Roof Field	2" Black Isoform Foam Paperback	ND	PLM
20230829-FR-28B	Building 3 Roof/South Roof Field	2" Black Isoform Foam Paperback	ND	PLM
20230829-FR-29A	Building 3 Roof/North Flashing	2" Isoform Foam Paperback	ND	PLM
20230829-FR-29B	Building 3 Roof/North Flashing	2" Isoform Foam Paperback	ND	PLM
20230829-FR-30A	Building 3 Roof/South Curb	Black Paper Under Ply Build Up Over Fiberboard	ND	PLM
20230829-FR-30B	Building 3 Roof/South Curb	Black Paper Under Ply Build Up Over Fiberboard	ND	PLM
20230829-FR-31A	Building 3 Roof/South Curb	Particle/Fiberboard under Tar/Ply	ND	PLM
20230829-FR-31B	Building 3 Roof/South Curb	Particle/Fiberboard under Tar/Ply	ND	PLM
20230829-FR-32A	Building 3 Roof/North Side Flashing	Black Tar on Sheet Steel Under 2" Isoform foam	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230829-FR-32B	Building 3 Roof/North Side Flashing	Black Tar on Sheet Steel Under 2" Isoform foam	ND	PLM
20230829-FR-33A	Building 3 Roof/North Side	Large Tar Roof Patch	ND	PLM
20230829-FR-33B	Building 3 Roof/North Side	Large Tar Roof Patch	ND	PLM
<b>20230829-FR-34A</b>	<b>Building 3 Roof/Northside Air Vent</b>	<b>Silver Coat on Air Vent</b>	<b>5% Chrysotile</b>	<b>PLM</b>
<b>20230829-FR-34B</b>	<b>Building 3 Roof/Northside Air Vent</b>	<b>Silver Coat on Air Vent</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
20230830-NC-01A	Building 3 SW corner of tile walkway left of entry	12"x12" Tan Ceramic Floor Tile (Floor Tile) (on concrete)	ND	PLM
20230830-NC-01B	Building 3 SE corner of store front tile walkway towards back storage area	12"x12" Tan Ceramic Floor Tile (on concrete)	ND	PLM
20230830-NC-01C	Building 3 NE back corner at end of tile walkway	12"x12" Tan Ceramic Floor Tile (on concrete)	ND	PLM
20230830-NC-02A	Building 3 SW corner of tile walkway left of entry	12"x12" Grey Ceramic Floor Tile (on concrete)	ND	PLM
20230830-NC-02B	Building 3 SE corner of store front tile walkway towards back storage area	12"x12" Grey Ceramic Floor Tile (on concrete)	ND	PLM
20230830-NC-02C	Building 3 NE back corner before end of tile walkway	12"x12" Grey Ceramic Floor Tile (on concrete)	ND	PLM
20230830-NC-03A	Building 3 W side middle store under blue carpet	12"x12" Beige Floor Tile (on concrete)	Not Analyzed	PLM
20230830-NC-03B	Building 3 NW corner before concrete area under grey carpet	12"x12" Beige Floor Tile (on concrete)	Not Analyzed	PLM
20230830-NC-03C	Building 3 NW corner tile & concrete border towards left back room	12"x12" Beige Floor Tile (on concrete)	Not Analyzed	PLM
<b>20230830-NC-04A</b>	<b>Building 3 W side middle store under blue carpet</b>	<b>Black Mastic associated with Beige 12"x12" Floor Tile</b>	<b>3% Chrysotile</b>	<b>PLM</b>
<b>20230830-NC-04B</b>	<b>Building 3 NW corner before concrete area under grey carpet</b>	<b>Black Mastic associated with Beige 12"x12" Floor Tile</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
20230830-NC-04C	Building 3 NW corner tile & concrete border towards left back room	Black Mastic associated with Beige 12"x12" Floor Tile	NA/Pos Stop	PLM
20230830-NC-05A	Building 3 Center of main shop floor, border of 12"x12" ceramic Floor Tile & blue carpet	9"x9" Grey Vinyl Floor Tile	Not Analyzed	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230830-NC-05B	Building 3 SW corner of blue carpet & 12"x12" ceramic Floor Tile border	9"x9" Grey Vinyl Floor Tile	Not Analyzed	PLM
20230830-NC-05C	Building 3 SE corner of blue carpet area left of entry	9"x9" Grey Vinyl Floor Tile	Not Analyzed	PLM
20230830-NC-06A	<b>Building 3 Center of main shop floor, border of 12"x12" ceramic Floor Tile &amp; blue carpet</b>	<b>Black Mastic associated with 9"x9" Grey Vinyl Floor Tile</b>	<b>8% Chrysotile</b>	<b>PLM</b>
20230830-NC-06B	<b>Building 3 SW corner of blue carpet &amp; 12"x12" ceramic Floor Tile border</b>	<b>Black Mastic associated with 9"x9" Grey Vinyl Floor Tile</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
20230830-NC-06C	<b>Building 3 SE corner of blue carpet area left of entry</b>	<b>Black Mastic associated with 9"x9" Grey Vinyl Floor Tile</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
20230830-NC-07A	Building 3 SE corner of store under blue carpet area right of entry	12"x12" Speckled Floor Tile	ND	PLM
20230830-NC-07B	Building 3 SE corner of store front under blue carpet area closer to East wall	12"x12" Speckled Floor Tile	ND	PLM
20230830-NC-07C	Building 3 Mid. of blue carpet area right of entry	12"x12" Speckled Floor Tile	ND	PLM
20230830-NC-08A	Building 3 SE corner of store front under blue carpet area right of entry	Yellow Mastic associated with 12"x12" Speckled Floor Tile	ND	PLM
20230830-NC-08B	Building 3 SE corner of store front under blue carpet area closer to East wall	Yellow Mastic associated with 12"x12" Speckled Floor Tile	ND	PLM
20230830-NC-08C	Building 3 Mid. of blue carpet area right of entry	Yellow Mastic associated with 12"x12" Speckled Floor Tile	ND	PLM
20230830-NC-09A	Building 3 W facing wall in bathroom #1 (closest to storage area)	4"x4" Tan Ceramic Wall Tile	ND	PLM
20230830-NC-09B	Building 3 S facing wall in bathroom #2	4"x4" Tan Ceramic Wall Tile	ND	PLM
20230830-NC-09C	Building 3 E facing wall in bathroom #1	4"x4" Tan Ceramic Wall Tile	ND	PLM
20230830-NC-10A	Building 3 Right corner after doorway of bathroom #1	1"x1" Beige Ceramic Floor Tile	ND	PLM
20230830-NC-10B	Building 3 Back right corner of bathroom #2	1"x1" Beige Ceramic Floor Tile	ND	PLM



Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230830-NC-10C	Building 3 Left of doorway entry in bathroom #1	1"x1" Beige Ceramic Floor Tile	ND	PLM
20230830-NC-11A	Building 3 Above tan ceramic tile walkway towards back storage room	Concealed Spline 2'x4' White Textured Ceiling Tile	ND	PLM
20230830-NC-11B	Building 3 Above W blue carpet area left of entry	Concealed Spline 2'x4' White Textured Ceiling Tile	ND	PLM
20230830-NC-11C	Building 3 NE rear corner in front of upstairs back office	Concealed Spline 2'x4' White Textured Ceiling Tile	ND	PLM
20230830-NC-12A	Building 3 NE rear floor area directly front of storage entry	White 4" Vinyl Cove Base	ND	PLM
20230830-NC-12B	Building 3 Below glass display case on E. wall front of upstairs office	White 4" Vinyl Cove Base	ND	PLM
20230830-NC-12C	Building 3 Right of storage area entry	White 4" Vinyl Cove Base	ND	PLM
20230830-NC-13A	Building 3 E wall of store adjacent to blue carpet area/	Blue 4" Vinyl Cove Base	ND	PLM
20230830-NC-13B	Building 3 Bottom of W. wall in front of upstairs office area	Blue 4" Vinyl Cove Base	ND	PLM
20230830-NC-13C	Building 3 W wall of store leading to NW corner ground floor office	Blue 4" Vinyl Cove Base	ND	PLM
20230830-NC-14A	Building 3 W wall in front upstairs office area	Black 4" Vinyl Cove Base	ND	PLM
2023-830-NC-14B	Building 3 Rear of front office upstairs office at bottom of stairwell wall	Black 4" Vinyl Cove Base	ND	PLM
20230830-NC-14C	Building 3 Left of entry into back storage area	Black 4" Vinyl Cove Base	ND	PLM
20230830-NC-15A	Building 3 NE far rear corner after bathroom #1	Yellow Mastic associated with Various Color 4" Vinyl Cove Base	ND	PLM
20230830-NC-15B	Building 3 W wall of store leading to NW corner ground floor rear office	Yellow Mastic associated with Various Color 4" Vinyl Cove Base	ND	PLM
20230830-NC-15C	Building 3 Rear of NW store area under blue vinyl wall	Yellow Mastic associated with Various Color 4" Vinyl Cove Base	ND	PLM
20230830-NC-16A	Building 3 E wall of store right of entry	1/2" White Gypsum Drywall	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230830-NC-16B	Building 3 W wall of store towards ground floor office area	1/2" White Gypsum Drywall	ND	PLM
20230830-NC-16C	Building 3 S facing wall apart of front upstairs office	1/2" White Gypsum Drywall	ND	PLM
20230830-NC-17A	Building 3 SE corner blue carpet & ceramic tile walkway border	Yellow Mastic associated with Blue Carpet	ND	PLM
20230830-NC-17B	Building 3 E side of store center of blue carpet area	Yellow Mastic associated with Blue Carpet	ND	PLM
20230830-NC-17C	Building 3 NE corner of blue carpet area near carpet & ceramic tile border	Yellow Mastic associated with Blue Carpet	ND	PLM
20230830-NC-18A	Building 3 Rear wall of store on East side of NW ground floor office area	Blue Vinyl Wall Covering	ND	PLM
20230830-NC-19A	Building 3 Rear wall of store on E side of NW ground floor office area	Yellow Adhesive associated with Blue Vinyl Wall Covering	ND	PLM
20230830-NC-20A	Building 3 Immediately above store entry	Black HVAC Unit Mesh Cover	ND	PLM
<b>Building 4</b>				
20230817-CC-01A	Building 4 E end of S elevation	White brick	ND	PLM
20230817-CC-01B	Building 4 W end of S elevation	White brick	ND	PLM
20230817-CC-02A	Building 4 E end of S elevation	White mortar associated with white brick	ND	PLM
20230817-CC-02B	Building 4 W end of S elevation	White mortar associated with white brick	ND	PLM
20230817-CC-03A	Building 4 E side of S elevation	Smooth gravel textured parging below windows on concrete	ND	PLM
20230817-CC-03B	Building 4 Center of S elevation	Smooth gravel textured parging below windows on concrete	ND	PLM
20230817-CC-04A	Building 4 E side of S elevation	Gray gravel textured parging patch material below windows over smooth gravel textured parging	ND	PLM
20230817-CC-04B	Building 4 W side of S elevation	Gray gravel textured parging patch material below windows over smooth gravel textured parging	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230817-CC-05A	Building 4 W of entrance on S elevation	Light gray caulk from window between window and frame	ND	PLM
<b>20230817-CC-06A</b>	<b>Building 4 E end of window frame on S elevation</b>	<b>White caulk between window frame and white brick</b>	<b>3% Chrysotile</b>	<b>PLM</b>
20230817-CC-06B	Building 4 E end of window frame on S elevation	White caulk between window frame and white brick	NA/Pos Stop	-----
20230817-CC-07A	Building 4 E side of roof, S elevation	Light gray cementitious perforated panel ceiling of walkway canopy roof	15% Chrysotile	PLM
20230817-CC-07B	Building 4 W side of roof, S elevation	Light gray cementitious perforated panel ceiling of walkway canopy roof	NA/Pos Stop	-----
20230817-CC-08A	Building 4 E side of roof, S elevation	Brown perforated fiberboard repair panel ceiling above walkway	ND	PLM
20230817-CC-08B	Building 4 E side of roof, S elevation	Brown perforated fiberboard repair panel ceiling above walkway	ND	PLM
20230817-CC-09A	Building 4 E side, S elevation	Black asphaltic roof membrane on top of walkway canopy	5% Chrysotile	PLM
20230817-CC-09B	Building 4 Center of S elevation	Black asphaltic roof membrane on top of walkway canopy	NA/Pos Stop	-----
20230817-CC-10A	Building 4 N wall 15' west of back door	Gray CMU (white sand texture coating)	ND	PLM
20230817-CC-11A	Building 4 N wall 15' west of back door	Light gray CMU mortar (white sand texture coating)	ND	PLM
20230817-CC-12A	Building 4 N wall 15' west of back door	White sand texture wall coating on CMU/mortar	ND	PLM
<b>20230817-CC-13A</b>	<b>Building 4 N wall E end, 10' W of B5</b>	<b>Gray caulk from horizontal wall seam</b>	<b>3% Chrysotile</b>	<b>PLM</b>
20230829-FR-35A	Building 4 Roof/North Field	4 Ply Black Asphaltic Layers	ND	PLM
20230829-FR-35B	Building 4 Roof/South Field	4 Ply Black Asphaltic Layers	ND	PLM
20230829-FR-36A	Building 4 Roof/North Field	Black Foam Paper Back	ND	PLM
20230829-FR-36B	Building 4 Roof/North Field	Black Foam Paper Back	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230829-FR-37A	Building 4 Roof/North Center Flashing	4 Ply Black Asphaltic Flashing	5% Chrysotile	PLM
20230829-FR-37B	Building 4 Roof/North Center Flashing	4 Ply Black Asphaltic Layers	NA/Pos Stop	PLM
20230829-FR-38A	Building 4 Roof/East Edge Curb	4 Ply Black Asphaltic Flashing	20% Chrysotile	PLM
20230829-FR-38B	Building 4 Roof/East Edge Curb	4 Ply Black Asphaltic Layers	NA/Pos Stop	PLM
20230829-FR-39A	Building 4 Roof/South Flashing	4 Ply Black Asphaltic Flashing	15% Chrysotile	PLM
20230829-FR-39B	Building 4 Roof/South Flashing	4 Ply Black Asphaltic Layers	NA/Pos Stop	PLM
20230829-FR-40A	Building 4 Roof/South Flashing	Black Isoform Foam Paperback under 4 Ply Asphaltic Layers	ND	PLM
20230829-FR-40B	Building 4 Roof/South Flashing	Black Isoform Foam Paperback under 4 Ply Asphaltic Layers	ND	PLM
20230829-FR-41A	Building 4 Roof/East Edge Curb between Buildings 4 and 5	Fiberboard	ND	PLM
20230829-FR-41B	Building 4 Roof/East Edge Curb between Buildings 4 and 5	Fiberboard	ND	PLM
20230829-FR-42A	Building 4 Roof/North Field	Black Tar on Sheet Metal under Isoform Foam	ND	PLM
20230829-FR-42B	Building 4 Roof/South Field	Black Tar on Sheet Metal under Isoform Foam	ND	PLM
20230829-FR-43A	Building 4 Roof/SE Vertical Seam on back of Building Sign	Gray Caulk	6% Chrysotile	PLM
20230829-FR-43B	Building 4 Roof/SE Vertical Seam on back of Building Sign	Gray Caulk	NA/Pos Stop	PLM
20230829-FR-44A	Building 4 Roof/SW Wall	White Caulk on CMU	ND	PLM
20230829-FR-44B	Building 4 Roof/NW Wall	White Caulk on CMU	ND	PLM
20230829-FR-45A	Building 4 Roof/SW Wall	Black Caulk over White Caulk on CMU	3% Chrysotile	PLM
20230829-FR-45B	Building 4 Roof/NW Wall	Black Caulk over White Caulk on CMU	NA/Pos Stop	PLM
20230915-CC-01A	East Wall of Gym	½" Gypsum Drywall – Gray	ND	PLM
20230915-CC-01B	West Wall of Gym	½" Gypsum Drywall – Gray	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230915-CC-01C	North Wall of Gym	½” Gypsum Drywall – Gray	ND	PLM
20230915-CC-01D	West Wall of Men’s Locker Room	½” Gypsum Drywall – Gray	ND	PLM
20230915-CC-01E	West Wall of Women’s Locker Room	½” Gypsum Drywall – Gray	ND	PLM
20230915-CC-02A	East Wall of Gym	Tape & Joint Compound Associated with Drywall	ND	PLM
20230915-CC-02B	West Wall of Gym	Tape & Joint Compound Associated with Drywall	ND	PLM
20230915-CC-02C	North Wall of Gym	Tape & Joint Compound Associated with Drywall	ND	PLM
20230915-CC-02D	West Wall of Men’s Locker Room	Tape & Joint Compound Associated with Drywall	ND	PLM
20230915-CC-02E	West Wall of Women’s Locker Room	Tape & Joint Compound Associated with Drywall	ND	PLM
20230915-CC-03A	Electrical Closet Office Exterior Wall (E wall)	CMU – Gray	ND	PLM
20230915-CC-03B	Storage Closet Office Exterior Wall (S wall)	CMU – Gray	ND	PLM
20230915-CC-03C	Storage Closet Office Exterior Wall (S wall)	CMU – Gray	ND	PLM
20230915-CC-03D	Office South Wall	CMU – Gray (painted white)	ND	PLM
20230915-CC-03E	Office South Wall	CMU – Gray (painted white)	ND	PLM
20230915-CC-04A	Electrical Closet Office Exterior Wall (E wall)	Mortar Associated with CMU– Light Gray	ND	PLM
20230915-CC-04B	Storage Closet Office Exterior Wall (S wall)	Mortar Associated with CMU– Light Gray	ND	PLM
20230915-CC-04C	Storage Closet Office Exterior Wall (S wall)	Mortar Associated with CMU– Light Gray	ND	PLM
20230915-CC-04D	Office South Wall	Mortar Associated with CMU– Light Gray – Light Gray (painted white)	ND	PLM
20230915-CC-04E	Office South Wall	Mortar Associated with CMU– Light Gray – Light Gray (painted white)	ND	PLM
20230915-CC-05A	North End of Gym	2’x4’ Suspended Cellulose Ceiling Tile – White Pin Hole & Worm	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230915-CC-05B	North End of Gym	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Worm	ND	PLM
20230915-CC-05C	North End of Gym	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Worm	ND	PLM
20230915-CC-05D	North End of Gym	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Worm	ND	PLM
20230915-CC-05E	North End of Gym	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Worm	ND	PLM
20230915-CC-06A	North End of Gym	2'x4' Replacement Suspended Cellulose Ceiling Tile – White Pin Hole & Small Cracks	ND	PLM
20230915-CC-06B	North End of Gym	2'x4' Replacement Suspended Cellulose Ceiling Tile – White Pin Hole & Small Cracks	ND	PLM
20230915-CC-06C	North End of Gym	2'x4' Replacement Suspended Cellulose Ceiling Tile – White Pin Hole & Small Cracks	ND	PLM
20230915-CC-07A	East Wall of Gym (center of wall)	4" Vinyl Cove Base Over Drywall - White	ND	PLM
20230915-CC-07B	East Wall of Gym (center of wall)	4" Vinyl Cove Base Over Drywall - White	ND	PLM
20230915-CC-07C	East Wall of Gym (S end of wall)	4" Vinyl Cove Base Over Drywall - White	ND	PLM
20230915-CC-08A	East Wall of Gym (center of wall)	White Adhesive Associated with White 4" Cove Base	ND	PLM
20230915-CC-08B	East Wall of Gym (center of wall)	White Adhesive Associated with White 4" Cove Base	ND	PLM
20230915-CC-08C	East Wall of Gym (S end of wall)	White Adhesive Associated with White 4" Cove Base	ND	PLM
20230915-CC-09A	Back Hallway East Wall	4" Vinyl Cove Base Over Drywall – Dark Tan	ND	PLM
20230915-CC-09B	South Wall of Men's Locker Room	4" Vinyl Cove Base Over Drywall - Dark Tan	ND	PLM
20230915-CC-09C	South Wall of Women's Locker Room	4" Vinyl Cove Base Over Drywall - Dark Tan	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230915-CC-10A	Back Hallway East Wall	Tan Adhesive Associated with Dark Tan 4" Cove Base	ND	PLM
20230915-CC-10B	South Wall of Men's Locker Room	Tan Adhesive Associated with Dark Tan 4" Cove Base	ND	PLM
20230915-CC-10C	South Wall of Women's Locker Room	Tan Adhesive Associated with Dark Tan 4" Cove Base	ND	PLM
20230915-CC-11A	East Wall of Gym (N end)	4" Vinyl Cove Base Over Drywall - Black	ND	PLM
20230915-CC-11B	East Wall of Gym (N end)	4" Vinyl Cove Base Over Drywall - Black	ND	PLM
20230915-CC-12C	North Wall of Gym (center of wall)	4" Vinyl Cove Base Over Drywall - Black	ND	PLM
<b>20230915-CC-12A</b>	<b>Gym Floor Under Rubber Mats (S end of gym)</b>	<b>Black &amp; Tan Adhesive</b>	<b>3% Chrysotile</b>	<b>PLM</b>
20230915-CC-12B	Gym Floor Under Rubber Mats (S end of gym)	Black & Tan Adhesive on Concrete	NA/Pos Stop	-----
20230915-CC-12C	Gym Floor Under Rubber Mats (S end of gym)	Black & Tan Adhesive on Concrete	NA/Pos Stop	-----
20230915-CC-12D	Gym Floor Under Rubber Mats (N end of gym)	Black & Tan Adhesive on Concrete	NA/Pos Stop	-----
20230915-CC-12E	Gym Floor Under Rubber Mats (N end of gym)	Black & Tan Adhesive on Concrete	NA/Pos Stop	-----
20230915-CC-13A	Electrical Closet Floor	Black Vinyl (white 12"x12"printed tile design) Sheet Floor	ND	PLM
20230915-CC-13B	Electrical Closet Floor	Black Vinyl (white 12"x12" printed tile design) Sheet Floor	ND	PLM
20230915-CC-13C	Electrical Closet Floor	Black Vinyl (white 12"x12" printed tile design) Sheet Floor	ND	PLM
20230915-CC-14A	Electrical Closet Floor	Black Adhesive Associated with Black Vinyl (white printed tile design) Sheet Floor	ND	PLM
20230915-CC-14B	Electrical Closet Floor	Black Adhesive Associated with Black Vinyl (white printed tile design) Sheet Floor	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230915-CC-14C	Electrical Closet Floor	Black Adhesive Associated with Black Vinyl (white printed tile design) Sheet Floor	ND	PLM
20230915-CC-15A	Southwest Corner of Gym Floor	White Vinyl (black printed tile design) Floor Tile 12"x12"	ND	PLM
20230915-CC-15B	Southwest Corner of Gym Floor	White Vinyl (black printed tile design) Floor Tile 12"x12"	ND	PLM
20230915-CC-15C	Southwest Corner of Gym Floor	White Vinyl (black printed tile design) Floor Tile 12"x12"	ND	PLM
20230915-CC-16A	Southwest Corner of Gym Floor	Clear Yellow Adhesive Associated with White Vinyl (black printed tile design) Floor Tile	ND	PLM
20230915-CC-16B	Southwest Corner of Gym Floor	Clear Yellow Adhesive Associated with White Vinyl (black printed tile design) Floor Tile	ND	PLM
20230915-CC-16C	Southwest Corner of Gym Floor	Clear Yellow Adhesive Associated with White Vinyl (black printed tile design) Floor Tile	ND	PLM
20230915-CC-17A	West Wall of Gym	Tan Glue Daub Associated with Wall Mirror on Drywall	ND	PLM
20230915-CC-17B	West Wall of Gym	Tan Glue Daub Associated with Wall Mirror on Drywall	ND	PLM
20230915-CC-17C	West Wall of Gym	Tan Glue Daub Associated with Wall Mirror on Drywall	ND	PLM
20230915-CC-18A	East Wall of Storage Closet	White Paper Wrap Around Fiberglass Insulated 1/2" Pipe	ND	PLM
20230915-CC-18B	East Wall of Storage Closet	White Paper Wrap Around Fiberglass Insulated 1/2" Pipe	ND	PLM
20230915-CC-19A	Southwest Corner of Gym	Thick White Caulk at Vertical (window frame to drywall) Joint	ND	PLM



Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230915-CC-19B	Southwest Corner of Gym	Thick White Caulk at Vertical (window frame to drywall) Joint	ND	PLM
20230915-CC-19C	Southwest Corner of Gym	Thick White Caulk at Vertical (window frame to drywall) Joint	ND	PLM
20230915-CC-20A	South Wall Windows of Gym	Thin White Caulk at Vertical (window frame to glass) Joint	ND	PLM
20230915-CC-20B	South Wall Windows of Gym	Thin White Caulk at Vertical (window frame to glass) Joint	ND	PLM
20230915-CC-20C	South Wall Windows of Gym	Thin White Caulk at Vertical (window frame to glass) Joint	ND	PLM
<b>20230915-CC-21A</b>	<b>Southeast Corner of Gym</b>	<b>Tan Caulk at Vertical (window frame to brick) Joint</b>	<b>2% Chrysotile</b>	<b>PLM</b>
20230915-CC-21B	Southeast Corner of Gym	Tan Caulk at Vertical (window frame to brick) Joint	NA/Pos Stop	-----
20230915-CC-21C	Southeast Corner of Gym	Tan Caulk at Vertical (window frame to brick) Joint	NA/Pos Stop	-----
<b>Building 5</b>				
20230817-CC-01A	Building 5 West E side of S elevation	Red brick	ND	PLM
20230817-CC-01B	5 West W side of S elevation	Red brick	ND	PLM
20230817-CC-02A	5 West W side of S elevation	Gray mortar associated with red brick	ND	PLM
20230817-CC-02B	5 West W side of S elevation	Gray mortar associated with red brick	ND	PLM
20230817-CC-03A	5 West E end, S elevation	Black caulk from raised window frames between glass and frame	ND	PLM
20230817-CC-03B	Building 5 West W end, S elevation	Black caulk from raised window frames between glass and frame	ND	PLM
20230817-CC-03C	Building 5 West S elevation	Black caulk from door frames between glass and frame	ND	PLM
20230817-CC-04A	Building 5 West S elevation	White caulk on top of raised window frames	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230817-CC-04B	Building 5 West S elevation	White caulk on top of raised window frames	ND	PLM
20230817-CC-05A	Building 5 West Center of walkway, S elevation	Brown fibrous sidewalk expansion joint	ND	PLM
20230817-CC-05B	Building 5 West E end of walkway, S elevation	Brown fibrous sidewalk expansion joint	ND	PLM
20230817-CC-06A	Building 5 West E end of S elevation	White drywall ceiling above walkway over wood	ND	PLM
20230817-CC-06B	Building 5 West W end of S elevation	White drywall ceiling above walkway over wood	ND	PLM
20230817-CC-07A	Building 5 West E end of S elevation	Tan drywall ceiling tape & joint compound	ND	PLM
20230817-CC-07B	Building 5 West W side of S elevation	Tan drywall ceiling tape & joint compound	ND	PLM
20230817-CC-08A	Building 5 West E end of S elevation	Light tan facade soffit EIFS material	ND	PLM
20230817-CC-08B	Building 5 West Center of S elevation	Light tan facade soffit EIFS material	ND	PLM
20230817-CC-09A	Building 5 East E side of S elevation	Black brick	ND	PLM
20230817-CC-09B	Building 5 East SW corner of S elevation	Black brick	ND	PLM
20230817-CC-10A	Building 5 East E side of S elevation	Gray mortar associated with black brick	ND	PLM
20230817-CC-10B	Building 5 East SW corner of S elevation	Gray mortar associated with black brick	ND	PLM
20230817-CC-11A	Building 5 East Around entrance frame of S elevation	Light gray caulk between glass and frame	ND	PLM
20230817-CC-11B	Building 5 East Around entrance frame of S elevation	Light gray caulk between glass and frame	ND	PLM
<b>20230817-CC-12A</b>	<b>Building 5 East Brick joint of S elevation</b>	<b>Gray caulk at door frame between frame and brick</b>	<b>5% Chrysotile</b>	<b>PLM</b>
<b>20230817-CC-12B</b>	<b>Building 5 East Brick joint W side of S elevation</b>	<b>Gray caulk window frame between frame and brick</b>	<b>NA/Pos Stop</b>	<b>-----</b>
20230817-CC-13A	Building 5 East E of walkway, S elevation	Black tar sidewalk expansion joint center	ND	PLM
20230817-CC-13B	Building 5 East W of walkway, S elevation	Black tar sidewalk expansion joint center	ND	PLM
<b>20230817-CC-14A</b>	<b>Building 5 East SW corner, S elevation</b>	<b>White/light blue plaster ceiling above walkway over metal</b>	<b>3% Chrysotile</b>	<b>PLM</b>

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230817-CC-14B	Building 5 East E end, S elevation	White/light blue plaster ceiling above walkway over metal	NA/Pos Stop	-----
20230817-CC-15A	Building 5 East SW corner, S elevation	White textured finish on plaster ceiling	ND	PLM
20230817-CC-15B	Building 5 East E end, S elevation	White textured finish on plaster ceiling	ND	PLM
20230817-CC-16A	Building 5 West N wall 15' E of electrical transformer	Gray CMU (white textured sand coat)	ND	PLM
20230817-CC-16B	Building 5 East NE corner	Gray CMU white textured sand coat)	ND	PLM
20230817-CC-17A	Building 5 West N wall 15' E of electrical transformer	Light gray CMU mortar (with white sand coat)	ND	PLM
20230817-CC-17B	Building 5 East NE corner	Light gray CMU mortar (with white sand coat)	ND	PLM
20230817-CC-18A	Building 5 East N end of E wall	White sand textured CMU/mortar wall coating	ND	PLM
20230817-CC-19A	Building 5 East 20' E of W edge on N wall	Light gray caulk on door frame between frame and CMU	ND	PLM
20230817-CC-19B	Building 5 East 20' E of W edge on N wall	Light gray caulk on door frame between frame and CMU	ND	PLM
20230817-CC-20A	Building 5 East 5' overhead door frame on N wall	White caulk between door frame and CMU	3% Chrysotile	PLM
20230817-CC-20B	Building 5 East 5' S of N edge on W wall	White caulk between door frame and CMU	NA/Pos Stop	-----
20230829-FR-46A	Building 5 Roof/Elevated Roof Field	4 Ply Black Asphaltic roof membrane	ND	PLM
20230829-FR-46B	Building 5 Roof/Southeast Field	4 Ply Black Asphaltic roof membrane	ND	PLM
20230829-FR-46C	Building 5 Roof/Drop Roof South Field	4 Ply Black Asphaltic roof membrane	ND	PLM
20230829-FR-47A	Building 5 Roof/Elevated Roof Flashing	4 Ply Black Asphaltic roof flashing	ND	PLM
20230829-FR-47B	Building 5 Roof/SE Roof Flashing	4 Ply Black Asphaltic roof flashing	10% Chrysotile	PLM
20230829-FR-47C	Building 5 Roof/Drop Roof South Flashing	4 Ply Black Asphaltic roof flashing	NA/Pos Stop	PLM
20230829-FR-48A	Building 5 Roof/Elevated Roof Curbing	4 Ply Black Asphaltic roof flashing	10% Chrysotile	PLM
20230829-FR-48B	Building 5 Roof/South Roof Curbing	4 Ply Black Asphaltic roof flashing	NA/Pos Stop	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
<b>20230829-FR-48C</b>	<b>Building 5 Roof/Drop Roof South Curbing</b>	<b>4 Ply Black Asphaltic roof flashing</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
20230829-FR-49A	Building 5 Roof/Elevated Roof Under 4 Ply Asphaltic Layers	Black Tar on Wood	ND	PLM
20230829-FR-49B	Building 5 Roof/Elevated Roof Under 4 Ply Asphaltic Layers	Black Tar on Wood	ND	PLM
20230829-FR-50A	Building 5 Roof/Elevated Roof Field	Paperback on Isoform Foam	ND	PLM
20230829-FR-50B	Building 5 Roof/SE Roof Field	Paperback on Isoform Foam	ND	PLM
20230829-FR-51A	Building 5 Roof/Drop Roof South	Fiberboard under 4 Ply Asphaltic Layers	ND	PLM
20230829-FR-51B	Building 5 Roof/Drop Roof South	Fiberboard under 4 Ply Asphaltic Layers	ND	PLM
20230829-FR-52A	Building 5 Roof/SE Roof Field	Tar Covering Sheet Metal Under 2" Isoform Foam	ND	PLM
20230829-FR-52B	Building 5 Roof/SE Roof Field	Tar Covering Sheet Metal Under 2" Isoform Foam	ND	PLM
20230829-FR-53A	Building 5 Roof/Elevated Roof Patch	Black Tar Patch	ND	PLM
20230829-FR-53B	Building 5 Roof/Elevated Roof Patch	Black Tar Patch	ND	PLM
<b>20230829-FR-54A</b>	<b>Building 5 Roof/Raised Roof North CMU</b>	<b>White Caulk</b>	<b>3% Chrysotile</b>	<b>PLM</b>
<b>20230829-FR-54B</b>	<b>Building 5 Roof/Raised Roof North CMU</b>	<b>White Caulk</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
20230829-FR-55A	Building 5 Roof/East Side Electrical Conduit	Black Tar	ND	PLM
20230829-FR-55B	Building 5 Roof/East Side Electrical Conduit	Black Tar	ND	PLM
20230829-FR-56A	Building 5 Roof/NE Lower North Roof Field	4 Ply Black Asphaltic Layers	ND	PLM
20230829-FR-56B	Building 5 Roof/NW Lower North Roof Field	4 Ply Black Asphaltic Layers	ND	PLM
<b>20230829-FR-57A</b>	<b>Building 5 Roof/NE Lower North Roof Flashing</b>	<b>4 Ply Black Asphaltic roof flashing</b>	<b>10% Chrysotile</b>	<b>PLM</b>
<b>20230829-FR-57B</b>	<b>Building 5 Roof/NW Lower North Roof Flashing</b>	<b>4 Ply Black Asphaltic roof flashing</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
<b>20230829-FR-58A</b>	<b>Building 5 Roof/Lower North Roof-NE Wall</b>	<b>White Wall Caulk</b>	<b>3% Chrysotile</b>	<b>PLM</b>
<b>20230829-FR-58B</b>	<b>Building 5 Roof/Lower North Roof-NW Wall</b>	<b>White Wall Caulk</b>	<b>NA/Pos Stop</b>	<b>PLM</b>

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
<b>20230829-FR-59A</b>	<b>Building 5 Roof/NW Lower North Roof Curb</b>	<b>Black Tar Fiber back</b>	<b>15% Chrysotile</b>	<b>PLM</b>
20230829-FR-59B	Building 5 Roof/NW Lower North Roof Curb	Black Tar Fiber back	NA/Pos Stop	PLM
20230829-FR-60A	Building 5 Roof/Upper Canopy Field-East	4 Ply Black Asphaltic roof field membrane	ND	PLM
<b>20230829-FR-60B</b>	<b>Building 5 Roof/Upper Canopy Field-West</b>	<b>4 Ply Black Asphaltic roof field membrane</b>	<b>10% Chrysotile</b>	<b>PLM</b>
20230829-FR-61A	Building 5 Roof/Upper Canopy Flashing-East	4 Ply Black Asphaltic roof flashing	ND	PLM
20230829-FR-61B	Building 5 Roof/Upper Canopy Flashing-West	4 Ply Black Asphaltic roof flashing	ND	PLM
20230829-FR-62A	Building 5 Roof/Lower Canopy Field-East	Black Tarpaper Over Tar	ND	PLM
20230829-FR-62B	Building 5 Roof/Lower Canopy Field-West	Black Tarpaper Over Tar	ND	PLM
20230829-FR-63A	Building 5 Roof/Lower Canopy Field-East	Black Tar Under Tarpaper	ND	PLM
20230829-FR-63B	Building 5 Roof/Lower Canopy Field-West	Black Tar Under Tarpaper	ND	PLM
<b>20230829-FR-64A</b>	<b>Building 5 Roof/Lower Canopy Flashing-East</b>	<b>4 Ply Black Asphaltic Roof Flashing</b>	<b>ND</b>	<b>PLM</b>
<b>20230829-FR-64B</b>	<b>Building 5 Roof/Lower Canopy Flashing-West</b>	<b>4 Ply Black Asphaltic Roof Flashing</b>	<b>5% Chrysotile</b>	<b>PLM</b>
<b>20230829-FR-65A</b>	<b>Building 5 Roof/Lower Canopy-West</b>	<b>Silver Tarpaper Over 4 Ply Asphaltic Layers</b>	<b>8% Chrysotile</b>	<b>PLM</b>
<b>20230829-FR-65B</b>	<b>Building 5 Roof/Lower Canopy-West</b>	<b>Silver Tarpaper Over 4 Ply Asphaltic Layers</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
<b>Building 5 West 1st Floor</b>				
20230830-CC-01A	Northwest Storage Room South Wall	½" Drywall – Gray	ND	PLM
20230830-CC-01B	Main Room South Wall	½" Drywall – Gray	ND	PLM
20230830-CC-01C	Main Room South Wall	½" Drywall – Gray	ND	PLM
20230830-CC-01D	Entrance Hall South Wall	½" Drywall – Gray	ND	PLM
20230830-CC-01E	Main Room East Wall	½" Drywall – Gray	ND	PLM
20230830-CC-01F	Northeast Hallway	½" Drywall – Gray	ND	PLM
20230830-CC-01G	Back Office Room South Wall	½" Drywall – Gray	ND	PLM
20230830-CC-02A	Main room	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Worm	ND	PLM
20230830-CC-02B	Main room	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Worm	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230830-CC-03A	Pharmacy	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Worm	ND	PLM
20230830-CC-03B	Pharmacy	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Worm	ND	PLM
20230830-CC-04A	Entrance Hallway North Wall	Tape & Joint Compound	ND	PLM
20230830-CC-04B	Northeast Hall East Wall	Tape & Joint Compound	ND	PLM
20230830-CC-04C	Main Room South Wall	Tape & Joint Compound	ND	PLM
20230830-CC-04D	Main Room East Wall	Tape & Joint Compound	ND	PLM
20230830-CC-04E	Staircase Wall	Tape & Joint Compound	ND	PLM
20230830-CC-04F	Back Office North Wall	Tape & Joint Compound	ND	PLM
20230830-CC-04G	Northwest Storage Room	Tape & Joint Compound	ND	PLM
20230830-CC-05A	Northeast Building Corner	12"x12" Floor Tile – White	ND	PLM
20230830-CC-05B	Northeast Building Corner	12"x12" Floor Tile – White	ND	PLM
20230830-CC-05C	Staircase Hallway	12"x12" Floor Tile – White	ND	PLM
20230830-CC-06A	Northeast Building Corner	Floor Tile Adhesive Associated with White 12"x12" Floor Tile – Black	ND	PLM
20230830-CC-06B	Northeast Building Corner	Floor Tile Adhesive Associated with White 12"x12" Floor Tile – Black	ND	PLM
20230830-CC-06C	Staircase Hallway	Floor Tile Adhesive Associated with White 12"x12" Floor Tile – Black	ND	PLM
20230830-CC-07A	Northeast Hall	4" Cove Base - Brown	ND	PLM
20230830-CC-07B	Northeast Hall	4" Cove Base - Brown	ND	PLM
20230830-CC-07C	Northeast Hall	4" Cove Base - Brown	ND	PLM
20230830-CC-08A	Northeast Hall	Tan Adhesive Associated with Brown 4" Cove Base	ND	PLM
20230830-CC-08B	Northeast Hall	Tan Adhesive Associated with Brown 4" Cove Base	ND	PLM
20230830-CC-08C	Northeast Hall	Tan Adhesive Associated with Brown 4" Cove Base	ND	PLM
20230830-CC-09A	Storage Room North Wall	CMU – Light Grey	ND	PLM
20230830-CC-09B	Storage Room North Wall	CMU – Light Grey	ND	PLM
20230830-CC-10A	Back Entrance Hallway North Wall	Mortar Associated with Light Grey CMU	ND	PLM
20230830-CC-10B	Main Room West Wall	Mortar Associated with Light Grey CMU	ND	PLM
20230830-CC-11A	Storage Room North Wall	CMU – Dark Grey	ND	PLM
20230830-CC-11B	Storage Room North Wall	CMU – Dark Grey	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230830-CC-12A	Back Entrance Hallway North Wall	Mortar Associated with Dark Grey CMU	ND	PLM
20230830-CC-12B	Main Room West Wall	Mortar Associated with Dark Grey CMU	ND	PLM
20230830-CC-13A	Pharmacy	Carpet Adhesive on Concrete Slab – Tan	ND	PLM
20230830-CC-13B	Pharmacy	Carpet Adhesive – Tan	ND	PLM
20230830-CC-14A	Back Entrance Hallway	Paper Wrap Over Fiberglass Insulation – White	ND	PLM
20230830-CC-14B	Back Entrance Hallway	Paper Wrap Over Insulation – White	ND	PLM
20230830-CC-15A	Main Room East Wall	White Adhesive Associated with Brown Wallpaper on ½” Drywall	ND	PLM
20230830-CC-15B	Main Room East Wall	White Adhesive Associated with Brown Wallpaper on ½” Drywall	ND	PLM
20230830-CC-16A	Main Room East Wall	Brown Wallpaper	ND	PLM
20230830-CC-16B	Main Room East Wall	Brown Wallpaper	ND	PLM
20230830-CC-17A	Main Room East Wall	Yellow Adhesive Associated with Brown Wallpaper	ND	PLM
20230830-CC-17B	Main Room East Wall	Yellow Adhesive Associated with Brown Wallpaper	ND	PLM
20230830-CC-18A	Main Room East Wall	Brown Wallpaper	ND	PLM
20230830-CC-18B	Main Room East Wall	Brown Wallpaper	ND	PLM
20230830-CC-19A	Pharmacy	White Wallpaper	ND	PLM
20230830-CC-19B	Pharmacy	White Wallpaper	ND	PLM
20230830-CC-19C	Pharmacy	White Wallpaper	ND	PLM
20230830-CC-20A	Pharmacy	Tan Adhesive Associated with White Wallpaper	ND	PLM
20230830-CC-20B	Pharmacy	Tan Adhesive Associated with White Wallpaper	ND	PLM
20230830-CC-20C	Pharmacy	Tan Adhesive Associated with White Wallpaper	ND	PLM
20230830-CC-21A	Pharmacy Countertop	Red Adhesive Associated with Countertop	ND	PLM
20230830-CC-21B	Pharmacy Countertop	Red Adhesive Associated with Countertop	ND	PLM
<b>20230830-CC-22A</b>	<b>Back Entrance Hallway Fire Exit Frame</b>	<b>Sealant around Fire Exit Door Frame – Grey</b>	<b>2% Chrysotile</b>	<b>PLM</b>

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230830-CC-22B	Back Entrance Hallway Fire Exit Frame	Sealant around Fire Exit Door Frame – Grey	NA/Pos Stop	-----
<b>Building 5 West 2nd Floor</b>				
20230830-CC-23A	2nd Floor	12"x12" White Floor Tile	ND	PLM
20230830-CC-23B	2nd Floor	12"x12" White Floor Tile	ND	PLM
20230830-CC-24A	2nd Floor	Black Adhesive Associated with 12"x12" White Floor Tile on Concrete	ND	PLM
20230830-CC-24B	2nd Floor	Black Adhesive Associated with 12"x12" White Floor Tile	ND	PLM
20230830-CC-25A	2nd Floor	4" Cove Base – Brown	ND	PLM
20230830-CC-25B	2nd Floor	4" Cove Base – Brown	ND	PLM
20230830-CC-26A	2nd Floor	Tan Adhesive Associated with Brown 4" Cove Base	ND	PLM
20230830-CC-26B	2nd Floor	Tan Adhesive Associated with Brown 4" Cove Base	ND	PLM
20230830-CC-27A	2nd Floor Men's Bathroom	4" Tile Cove Base – White	ND	PLM
20230830-CC-27B	2nd Floor Women's Bathroom	4" Tile Cove Base – White	ND	PLM
20230830-CC-28A	2nd Floor Men's Bathroom	Gray Grout Associated with White 4" Tile Cove Base	ND	PLM
20230830-CC-28B	2nd Floor Women's Bathroom	Gray Grout Associated with White 4" Tile Cove Base	ND	PLM
20230830-CC-29A	2nd Floor Men's Bathroom	Tan Thinset Associated with White 4" Tile Cove Base	ND	PLM
20230830-CC-29B	2nd Floor Women's Bathroom	Tan Thinset Associated with White 4" Tile Cove Base	ND	PLM
20230830-CC-30A	2nd Floor Men's Bathroom	2"x2" Floor Tile – Tan	ND	PLM
20230830-CC-30B	2nd Floor Women's Bathroom	2"x2" Floor Tile – Tan	ND	PLM
20230830-CC-31A	2nd Floor Men's Bathroom	Gray Grout Associated with Tan 2"x2" Floor Tile	ND	PLM
20230830-CC-31B	2nd Floor Women's Bathroom	Gray Grout Associated with Tan 2"x2" Floor Tile	ND	PLM
20230830-CC-32A	2nd Floor Women's Bathroom	Grey Thinset Associated with Tan 2"x2" Floor Tile	ND	PLM
20230830-CC-32B	2nd Floor Men's Bathroom	Grey Thinset Associated with Tan 2"x2" Floor Tile	ND	PLM
20230830-CC-33A	2nd Floor Women's Bathroom	Joint Adhesive Associated with Tan 2"x2" Floor Tile	ND	PLM



Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230830-CC-33B	2nd Floor Men's Bathroom	Joint Adhesive Associated with Tan 2"x2" Floor Tile	ND	PLM
<b>Building 5 East</b>				
20230830-FR-34A	Women's Bathroom	½" Dry Wall - Grey	ND	PLM
20230830-FR-34B	Northwest Corner Storage	½" Dry Wall - Grey	ND	PLM
20230830-FR-34C	Bathroom Hallway	½" Dry Wall - Grey	ND	PLM
20230830-FR-34D	Men's Bathroom	½" Dry Wall - Grey	ND	PLM
20230830-FR-34E	Main Room North Wall	½" Dry Wall - Grey	ND	PLM
20230830-FR-34F	Main Room East Wall	½" Dry Wall - Grey	ND	PLM
20230830-FR-34G	Main Room West Wall	½" Dry Wall - Grey	ND	PLM
20230830-FR-35A	Main Room West Wall	Tape & Joint Compound	ND	PLM
20230830-FR-35B	Northwest Corner Storage	Tape & Joint Compound	ND	PLM
20230830-FR-35C	Main Room North Wall	Tape & Joint Compound	ND	PLM
20230830-FR-35D	Main Room East Wall	Tape & Joint Compound	ND	PLM
20230830-FR-35E	Bathroom Hallway	Tape & Joint Compound	ND	PLM
20230830-FR-35F	Women's Bathroom	Tape & Joint Compound	ND	PLM
20230830-FR-35G	Men's Bathroom	Tape & Joint Compound	ND	PLM
20230830-FR-36A	Main Room East	12"x12" Floor Tile on Concrete Slab – Dark Brown	ND	PLM
20230830-FR-36B	Main Room West	12"x12" Floor Tile on Concrete Slab – Dark Brown	ND	PLM
20230830-FR-37A	Main Room West	Black Adhesive Associated with Dark Brown 12"x12" Floor Tile on Concrete Slab	ND	PLM
20230830-FR-37B	Main Room East	Black Adhesive Associated with Dark Brown 12"x12" Floor Tile on Concrete Slab	ND	PLM
20230830-FR-38A	North Storage Room – 8" Metal Drainpipe	Asphaltic Foil Backed Fiberglass Insulation Paper on 8" pipe – Black	ND	PLM
20230830-FR-38B	North Storage Room – 8" Metal Drainpipe	Asphaltic Foil Backed Fiberglass Insulation Paper on 8" pipe – Black	ND	PLM
<b>20230830-FR-39A</b>	<b>North Storage Room – 8" Metal Drainpipe</b>	<b>8" White Mudded Pipe Fitting Insulation</b>	<b>15% Chrysotile</b>	<b>PLM</b>
<b>20230830-FR-39B</b>	<b>North Storage Room – 8" Metal Drainpipe</b>	<b>8" White Mudded Pipe Fitting Insulation</b>	<b>NA/Pos Stop</b>	<b>-----</b>
20230830-FR-40A	Bathroom Hallway	4" Cove Base - Black	ND	PLM
20230830-FR-40B	Women's Bathroom	4" Cove Base – Black	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20230830-FR-41A	Bathroom Hallway	Yellow Adhesive Associated with Black 4" Cove Base	ND	PLM
20230830-FR-41B	Women's Bathroom	Yellow Adhesive Associated with Black 4" Cove Base	ND	PLM
20230830-FR-42A	Woodshop – Southwest Corner Wall	CMU	ND	PLM
20230830-FR-42B	Woodshop – Northeast Corner Wall	CMU	ND	PLM
20230830-FR-43A	Woodshop – Southwest Corner Wall	Mortar Associated with CMU – Light Grey	ND	PLM
20230830-FR-43B	Woodshop – Northeast Corner Wall	Mortar Associated with CMU – Light Grey	ND	PLM
20230830-FR-44A	North Storage Room Wall	Brick	ND	PLM
20230830-FR-44B	North Storage Room Wall	Brick	ND	PLM
20230830-FR-45A	North Storage Room Wall	Mortar Associated with Brick	ND	PLM
20230830-FR-45B	North Storage Room Wall	Mortar Associated with Brick	ND	PLM
<b>20230830-FR-46A</b>	<b>North Storage Room Fire Exit Door Frame</b>	<b>Door Frame Caulk – Black</b>	<b>3% Chrysotile</b>	<b>PLM</b>
<b>20230830-FR-46B</b>	<b>North Storage Room Fire Exit Door Frame</b>	<b>Door Frame Caulk – Black</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
<b>20230830-FR-47A</b>	<b>Northwest Storage Room Fire Exit Door Frame</b>	<b>Door Frame Caulk – Black</b>	<b>3% Chrysotile</b>	<b>PLM</b>
<b>20230830-FR-47B</b>	<b>Northwest Storage Room Fire Exit Door Frame</b>	<b>Door Frame Caulk – Black</b>	<b>NA/Pos Stop</b>	<b>PLM</b>
20230830-FR-48A	Men's Bathroom	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Worm	ND	PLM
20230830-FR-48B	Bathroom Hallway	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Worm	ND	PLM

NA/Pos Stop = Not Analyzed/Positive Stop

ND = None Detected

**Table 2**  
**Summary of Identified and Assumed Asbestos-Containing Materials Inventory**

<b>Location</b>	<b>Material Type</b>	<b>Asbestos Content</b>	<b>Estimated Total Quantity</b>
<b>Building 1</b>			
Building 1 E side and W side of roof, S elevation	Light gray cementitious perforated panel ceiling of walkway canopy roof	15% Chrysotile	500 SF
Building 1 above roof - Sealant on Soffit to Brick on Building 2 SW	Black Tar	3% Chrysotile	140 LF
Building 1 Roof Compressor on Eastern Side	Black Tar	10% Chrysotile	10 SF
Building 1 Roof/Soffit Sealant-South	Black Tar with Silver Paint	8% Chrysotile	5 SF
Building 1 Roof/Patch @ Panel of Side Wall West of Building 2 North End of Wall	Black Tar	10% Chrysotile	8 SF
<b>Building 2</b>			
Building 2 East edge, South elevation and 10' West of entrance, South elevation	Light gray cementitious perforated panel ceiling of walkway canopy roof	15% Chrysotile	2,400 SF
Building 2 Center of N wall and 40' W edge of N wall	Gray original horizontal wall joint caulk	5% Chrysotile	50 LF
Building 2 10' N of B1 on W wall, Center of N wall, 10' E of W edge on N wall, and 10' S of N edge on E wall	White horizontal wall join repair caulk	3% Chrysotile	200 LF
Building 2 Center of N wall, East end of North wall, and N edge of E wall	White caulk between door frame and CMU	3% Chrysotile	20 LF
Building 2 Roof/NW Curb	4 Ply Built up roof Flashing	15% Chrysotile	240 LF
Building 2 Roof/Parapet Wall Flashing on Brick, Southeast Flashing on Equipment, and NE Flashing	Black Asphaltic 4 Ply Roof Flashing	15% Chrysotile	650 LF
Building 2 Roof/Center Field, NW Field, and SE Field	Black Paperback of Isoform Board	6% Chrysotile	58,500 SF
Building 2 Roof/NW Corner Curb	Black Paperback of Isoform Board	8% Chrysotile	240 LF
Building 2 Roof/East Chimney	White Caulk	3% Chrysotile	20 LF
Building 2 Roof/East Edge Roof Vent	Silver Coating	5% Chrysotile	30 SF
Building 2 SW corner of carpet area left of entry, SE tile walkway towards office #1, and NE tile walkway near partition wall	Black Mastic associated with 9x9 Blue Vinyl Floor Tile	8% Chrysotile	54,000 SF
Building 2 NE side in front partition wall, Building 2 SW corner of carpet area left of entry, Building 2 NW corner of tile walkway towards storage Room	9x9 Grey Vinyl Floor Tile	5% Chrysotile	31,000 SF

Location	Material Type	Asbestos Content	Estimated Total Quantity
Building 2 SW side of grey (carpet/tile) walkway border, Building 2 NW side of grey (carpet/tile) walkway border, Building 2 NW side of back grey carpet towards storage area	9x9 Yellow Vinyl Floor Tile	5% Chrysotile	31,000 SF
<b>Building 3</b>			
Building 3 East side of roof, S elevation and West end of roof, S elevation	Light gray cementitious perforated panel ceiling of walkway canopy roof	15% Chrysotile	1,140 SF
Building 3 West end, S elevation and Center of South elevation	Black asphaltic roof membrane on top of walkway canopy	8% Chrysotile	1,140 SF
Building 3 Center of North wall and 320' E of B4	Gray caulk from vertical wall seam	3% Chrysotile	15 LF
Building 3 Roof/South Roof Field	4 Ply Asphaltic Roof Field over 2" Isoform Foam	10% Chrysotile	14,500 SF
Building 3 Roof/Roof Curb North and South	4 Ply Asphaltic Roof Flashing over 2" Isoform Foam	15% Chrysotile	110 LF
Building 3 Roof/Roof Flashing South and North	4 Ply Asphaltic Roof Flashing over Isoform Foam	8% Chrysotile	250 LF
Building 3 Roof/Northside Air Vent	Silver Coating on Air Vent	5% Chrysotile	10 SF
Building 3 W side middle store under blue carpet, NW corner before concrete area under grey carpet, and NW corner tile & concrete border towards left back room	Black Mastic associated with Beige 12"x12" Floor Tile	3% Chrysotile	5,200 SF
Building 3 Center of main shop floor, border of 12"x12" ceramic Floor Tile & blue carpet, SW corner of blue carpet & 12"x12" ceramic Floor Tile border, and SE corner of blue carpet area left of entry	Black Mastic associated with 9"x9" Grey Vinyl Floor Tile	8% Chrysotile	11,000 SF
<b>Building 4</b>			
Building 4 E end of window frame on S elevation	White caulk between window frame and brick	3% Chrysotile	15 LF
Building 4 E side of roof, S elevation and W side of roof, S elevation	Light gray cementitious perforated panel ceiling of walkway canopy roof	15% Chrysotile	540 SF
Building 4 E side, S elevation and Center of S elevation	Black asphaltic roof cover on top of walkway canopy	5% Chrysotile	540 SF
Building 4 N wall E end, 10' W of B5	Gray caulk from horizontal wall seam	3% Chrysotile	50 LF
Building 4 Roof/North Center Flashing	4 Ply Black Asphaltic Roof Flashings	5% Chrysotile	190 LF

Location	Material Type	Asbestos Content	Estimated Total Quantity
Building 4 Roof/East Edge Curb	4 Ply Black Asphaltic Roof Flashings	20% Chrysotile	200 LF
Building 4 Roof/South Flashing	4 Ply Black Asphaltic Roof Flashings	15% Chrysotile	190 LF
Building 4 Roof/SE Vertical Seam on back of Building façade/Sign	Gray Seam Caulk	6% Chrysotile	10 LF
Building 4 Roof/SW and NW Wall	Black Caulk over White Caulk on CMU Wall	3% Chrysotile	140 LF
Gym Floor Under Rubber Mats (S end and N end of gym)	Black & Tan Rubber Floor Adhesive	3% Chrysotile	3,500 SF
Southeast Corner of Gym	Tan Caulk at Vertical window frame to brick Joint	2% Chrysotile	8 LF
<b>Building 5</b>			
Building 5 East Brick joint of S elevation and East Brick joint W side of S elevation	Gray caulk between door frame and brick	5% Chrysotile	40 LF
Building 5 East SW corner, S elevation and East E end, S elevation	White/light blue plaster ceiling above walkway over metal	3% Chrysotile	700 SF
Building 5 East 5' overhead door frame on N wall and East 5' S of N edge on W wall	White caulk between metal door frame and CMU wall	3% Chrysotile	40 LF
Building 5 Roof/SE Roof Flashing and Drop Roof South Flashing	4 Ply Black Asphaltic Roof Flashings	10% Chrysotile	20,500 LF
Building 5 Roof/Elevated Roof Curbing, South Roof Curbing, and Drop Roof South Curbing	4 Ply Black Asphaltic Roof Flashings	10% Chrysotile	250 LF
Building 5 Roof/Raised Roof North CMU	White Caulk	3% Chrysotile	290 LF
Building 5 Roof/NE and NW Lower North Roof Flashing	4 Ply Black Asphaltic Roof Flashings	10% Chrysotile	1,750 SF
Building 5 Roof/Lower North Roof-NE and NW Wall	White Caulk along Wall	3% Chrysotile	290 LF
Building 5 Roof/NW Lower North Roof Curb	Black Tar Fiber back	15% Chrysotile	150 LF
Building 5 Roof/Upper Canopy Field-West	4 Ply Black Asphaltic Roof Field	10% Chrysotile	850 SF
Building 5 Roof/Lower Canopy Flashing-West	4 Ply Black Asphaltic Roof Flashing	5% Chrysotile	60 LF
Building 5 Roof/Lower Canopy-West	Silver Tarpaper Over 4 Ply Asphaltic Roof	8% Chrysotile	850 SF
Building 5 West 1st Floor, Back Entrance Hallway Fire Exit Frame	Sealant around Fire Exit Door Frame – Grey	2% Chrysotile	18 LF

Location	Material Type	Asbestos Content	Estimated Total Quantity
Building 5 East, North Storage Room – 8" Metal Drainpipe	8" White Mudded Pipe Fitting Insulation	15% Chrysotile	45 EA
Building 5 East, North Storage Room Fire Exit Door Frame	Black Door Frame Caulk	3% Chrysotile	24 LF
Building 5 East, Northwest Storage Room Fire Exit Door Frame	Black Door Frame Caulk	3% Chrysotile	24 LF

LF = Linear Feet; SF = Square Feet; EA = Each

**Table 3**  
**PCB Bulk Sample Analytical Results**

Sample No.	Sample Location	Material Color & Type	Quantity	PCB Content (Mg/Kg)	Substrate	Notes
092923SG-CC-01A	Building 1 South, Window 1	Tan window caulking/glazing	100 LF	ND	Glass/metal	RL = 0.43
092923SG-CC-01B	Building 1 South, Window 2	Tan window caulking/glazing	100 LF	ND	Glass/metal	RL = 0.8
092923SG-CC-01C	Building 1 South, Window 3	Tan window caulking/glazing	100 LF	ND	Glass/metal	RL = 0.45
092923SG-CC-02A	Building 1 South, Window/Door	Black window caulking/glazing	75 LF	ND	Glass/metal	RL = 0.76
092923SG-CC-02B	Building 1 South, Window/Door	Black window caulk/glazing	75 LF	ND	Glass/metal	RL = 0.82
092923SG-CC-02C	Building 1 South, Window/Door	Black window caulk/glazing	75 LF	ND	Glass/metal	RL = 0.83
092923SG-CC-03A	Building 1 West, Door	Light-tan door caulk	16 LF	ND	Metal/metal	RL = 0.92
092923SG-CC-03B	Building 1 West, Door	Light-tan door caulk	16 LF	ND	Metal/metal	RL = 0.97
092923SG-CC-03C	Building 1 West, Door	Light-tan door caulk	16 LF	ND	Metal/metal	RL = 0.92
092923SG-CC-04A	Building 1 North, Door	Light-gray door caulk	16 LF	ND	Metal/metal	RL = 0.9
092923SG-CC-04B	Building 1 North, Door	Light-gray door caulk	16 LF	0.66	Metal/metal	RL = 0.48
092923SG-CC-04C	Building 1 North, Door	Light-gray door caulk	16 LF	ND	Metal/metal	RL = 0.47
092923SG-CC-05A	Building 2 South, Window 9	Light-gray window caulking/glazing	100 LF	ND	Glass/metal	RL = 0.76
092923SG-CC-05B	Building 2 South, Window 9	Light-gray window caulking/glazing	100 LF	ND	Glass/metal	RL = 0.78

Sample No.	Sample Location	Material Color & Type	Quantity	PCB Content (Mg/Kg)	Substrate	Notes
092923SG-CC-05C	Building 2 South, Window 13	Light-gray window caulk/glazing	100 LF	ND	Glass/metal	RL = 0.82
092923SG-CC-06A	Building 2 South, Window 3	Silver window caulk/glazing	75 LF	ND	Glass/metal	RL = 0.77
092923SG-CC-06B	Building 2 South, Window 3	Silver window caulk/glazing	75 LF	ND	Glass/metal	RL = 0.83
092923SG-CC-06C	Building 2 South, Window 3	Silver window caulk/glazing	75 LF	ND	Glass/metal	RL = 0.82
092923SG-CC-07A	Building 2 South, Window 10	Black window caulk/glazing	75 LF	ND	Glass/metal	RL = 0.49
092923SG-CC-07B	Building 2 South, Window 10	Black window caulk/glazing	75 LF	ND	Glass/metal	RL = 0.47
092923SG-CC-07C	Building 2 South, Window 10	Black window caulk/glazing	75 LF	ND	Glass/metal	RL = 0.41
092923SG-CC-08A	Building 3 South, Door 2	Light-gray door/window caulk	75 LF	1	Glass/metal	RL = 0.78
092923SG-CC-08B	Building 3 South, Door 2	Light-gray door/window caulking	75 LF	0.91	Glass/metal	RL = 0.78
092923SG-CC-08C	Building 3 South, Door 2	Light-gray door/window caulking	75 LF	1.1	Glass/metal	RL = 0.44
092923SG-CC-09A	Building 3 South, Door window 1	White door window glazing	175 LF	2900	Glass/metal	RL = 390
092923SG-CC-09B	Building 3 South, Door window 2	White door window glazing	175 LF	5400	Glass/metal	RL = 2300
092923SG-CC-09C	Building 3 South, Door window 2	White door window glazing	175 LF	4300	Glass/metal	RL = 410
092923SG-CC-10A	Building 4 South, Window above door	White window glazing	20 LF	3700	Glass/metal	RL = 390
092923SG-CC-10B	Building 4 South, Window above door	White window glazing	20 LF	5100	Glass/metal	RL = 500
092923SG-CC-10C	Building 4 South, Window above door	White window glazing	20 LF	3300	Glass/metal	RL = 400
092923SG-CC-11A	Building 4 South, Window 3	Light-gray window caulking/glazing	25 LF	ND	Glass/metal	RL = 0.46

Sample No.	Sample Location	Material Color & Type	Quantity	PCB Content (Mg/Kg)	Substrate	Notes
092923SG-CC-11B	Building 4 South, Window 3	Light-gray window caulking/glazing	25 LF	ND	Glass/metal	RL = 0.43
092923SG-CC-11C	Building 4 South, Window 3	Light-gray window caulking/glazing	25 LF	ND	Glass/metal	RL = 0.45
092923SG-CC-12A	Building 4 South, Window 6 East	White window caulking	10 LF	1.4	Metal/brick	RL = 0.91
092923SG-CC-12B	Building 4 South, Window 6 East	White window caulking	10 LF	2.8	Metal/brick	RL = 0.49
092923SG-CC-12C	Building 4 South, Window 6 East	White window caulking	10 LF	ND	Metal/brick	RL = 0.45
092923SG-CC-13A	West Building 5 South, Door 1	Black door caulking	100 LF	ND	Metal/brick	RL = 0.83
092923SG-CC-13B	West Building 5 South, Door 1	Black door caulking	100 LF	ND	Metal/brick	RL = 0.43
092923SG-CC-13C	West Building 5 South, Door 2	Black door caulking	100 LF	ND	Metal/brick	RL = 0.82
092923SG-CC-14A	West Building 5 South, Upper window 2	White window caulk	30 LF	ND	Metal/gypsum board	RL = 0.99
092923SG-CC-14B	West Building 5 South, Upper window 2	White window caulk	30 LF	ND	Metal/gypsum board	RL = 0.82
092923SG-CC-14C	West Building 5 South, Upper window 4	White window caulk	30 LF	ND	Metal/gypsum board	RL = 0.99
092923SG-CC-15A	West Building 5 South, Window 1	Black window caulk	65 LF	ND	Metal/brick	RL = 0.41
092923SG-CC-15B	West Building 5 South, Window 1	Black window caulk	65 LF	ND	Metal/brick	RL = 0.49
092923SG-CC-15C	West Building 5 South, Window 6	Black window caulk	65 LF	ND	Metal/brick	RL = 0.46
092923SG-CC-16A	East Building 5 South, Window 5	Black window glazing	75 LF	ND	Glass/metal	RL = 0.47
092923SG-CC-16B	East Building 5 South, Window 5	Black window glazing	75 LF	ND	Glass/metal	RL = 0.42
092923SG-CC-16C	East Building 5 South, Window 7	Black window glazing	75 LF	ND	Glass/metal	RL = 0.82
092923SG-CC-17A	East Building 5 South, Door 1	Gray door caulk	25 LF	ND	Metal/metal	RL = 0.4



Sample No.	Sample Location	Material Color & Type	Quantity	PCB Content (Mg/Kg)	Substrate	Notes
092923SG-CC-17B	East Building 5 South, Door 1	Gray door caulk	25 LF	ND	Metal/metal	RL = 0.79
092923SG-CC-17C	East Building 5 South, Door 2	Gray door caulk	25 LF	ND	Metal/metal	RL = 0.8
092923SG-CC-18A	East Building 5 South, Window system	Light-gray window caulk	50 LF	ND	Metal/metal	RL = 0.46
092923SG-CC-18B	East Building 5 South, Window system	Light-gray window caulk	50 LF	ND	Metal/metal	RL = 0.76
092923SG-CC-18C	East Building 5 South, Window system	Light-gray window caulk	50 LF	ND	Metal/metal	RL = 0.82
092923SG-CC-19A	East Building 5 South, East window edge	Dark-gray window caulk	25 LF	ND	Metal/brick	RL = 0.81
092923SG-CC-19B	East Building 5 South, East window edge	Dark-gray window caulk	25 LF	1	Metal/brick	RL = 0.78
092923SG-CC-19C	East Building 5 South, East window edge	Dark-gray window caulk	25 LF	ND	Metal/brick	RL = 0.83
092923SG-CC-20A	East Building 5 North, Door	Gray/white door caulk	20 LF	ND	Metal/CMU	RL = 0.8
092923SG-CC-20B	East Building 5 North, Door	Gray/white door caulk	20 LF	ND	Metal/CMU	RL = 0.49
092923SG-CC-20C	East Building 5 North, Door	Gray/white door caulk	20 LF	ND	Metal/CMU	RL = 0.8
092923SG-CC-21A	West Building 5 North, Garage door	White garage door caulk	20 LF	ND	Metal/CMU	RL = 0.46
092923SG-CC-21B	West Building 5 North, Garage door	White garage door caulk	20 LF	ND	Metal/CMU	RL = 0.79
092923SG-CC-21C	West Building 5 North, Garage door	White garage door caulk	20 LF	ND	Metal/CMU	RL = 0.91
092923SG-CC-22A	Building 3 North, Garage door	White garage door caulk	20 LF	ND	Metal/CMU	RL = 0.79
092923SG-CC-22B	Building 3 North, Garage door	White garage door caulk	20 LF	ND	Metal/CMU	RL = 0.79

Sample No.	Sample Location	Material Color & Type	Quantity	PCB Content (Mg/Kg)	Substrate	Notes
092923SG-CC-22C	Building 3 North, Garage door	White garage door caulk	20 LF	ND	Metal/CMU	RL = 0.45

**Table 4  
PCB Adjacent Substrate Sample Analytical Results**

Sample No.	Sample Location	Material Type	PCB Content (ppm)	Sample Depth in Inches
102523-CC-01A (33538)	Building 4 east edge of window frame – 1” into brick from white window frame caulk (12B)	Brick	ND	1
102523-CC-01B (33539)	Building 4 east edge of window frame – 2” into brick from white window frame caulk (12B)	Brick	ND	2
102523-CC-01C (33540)	Building 4 east edge of window frame – 3” into brick from white window frame caulk (12B)	Brick	ND	3
102523-CC-02A (33541)	Building 5 east edge of window frame – 1” into brick from dark gray window frame caulk (19B)	Brick	ND	1
102523-CC-02B (33542)	Building 5 east edge of window frame – 2” into brick from dark gray window frame caulk (12B)	Brick	ND	2
102523-CC-02C (33543)	Building 5 east edge of window frame – 3” into brick from dark gray window frame caulk (12B)	Brick	ND	3

**Table 5  
PCB/DEHP-Containing Light Ballasts Inventory**

Type	Estimated Quantity
PCB*	0
DEHP	0
<b>Total</b>	<b>0</b>

\*All Ballasts Are Labeled No PCBs

**Table 6  
Mercury-Containing Equipment Inventory**

Type	Estimated Quantity
1' Light Tube	0
2' Light Tube	0
4' Light Tube	827
8' Light Tube	1824
High Intensity Discharge (HID) Light	12
Compact Fluorescent Lamp (CFL)	16

## Appendix A

---

### Limitations

## APPENDIX A

### Site: 818-850 Silver Lane, East Hartford, Connecticut

1. This inspection report has been prepared for the exclusive use of the Capital Region Development Authority (the "Client") and is subject to, and is issued in connection with the terms and conditions of the original Agreement and all of its provisions. Any use or reliance upon information provided in this report, without the specific written authorization of the Client and Fuss & O'Neill, Inc. (Fuss & O'Neill) shall be at the User's individual risk. This report should not be used as an abatement specification. All quantities of materials identified during this inspection are approximate.
2. Fuss & O'Neill has obtained and relied upon information from multiple sources to form certain conclusions regarding likely environmental issues at and in the vicinity of the subject property in conducting this inspection. Except as otherwise noted, no attempt has been made to verify the accuracy or completeness of such information or verify compliance by any party with federal, state or local laws or regulations.
3. Fuss & O'Neill has obtained and relied upon laboratory analytical results in conducting the inspection. This information was used to form conclusions regarding the types and quantities of ACM, LBP, and PCBs that must be managed prior to renovation or demolition activities that may disturb these materials at the Site. Fuss & O'Neill has not performed an independent review of the reliability of this laboratory data.
4. Unless otherwise noted, only suspect hazardous materials associated within or located on the building (aboveground) were included in this inspection. Suspect hazardous materials may exist below the ground surface that were not included in the scope of work of this inspection. Fuss & O'Neill cannot guarantee all asbestos or suspect hazardous materials were identified within the areas included in the scope of work.
5. The findings, observations and conclusions presented in this report are limited by the scope of services outlined in our original Agreement dated May 31, 2023, which reflects schedule and budgetary constraints imposed by Client. Furthermore, the assessment has been conducted in accordance with generally accepted environmental practices. No other warranty, expressed or implied, is made.
6. The conclusions presented in this report are based solely upon information gathered by Fuss & O'Neill to date. Should further environmental or other relevant information be discovered at a later date, the Client should immediately bring the information to the Fuss & O'Neill's attention. Based upon an evaluation and assessment of relevant information, Fuss & O'Neill may modify the letter report and its conclusions.
7. Fuss & O'Neill has obtained and relied upon information from multiple sources to form certain conclusions regarding likely environmental issues at and in the vicinity of the subject property in conducting this inspection. Except as otherwise noted, no attempt has been made to verify the accuracy or completeness of such information or verify compliance by any party with federal, state or local laws or regulations.

## Appendix B

---

### Fuss & O'Neill Inspector Licenses and Accreditations



State of Connecticut

## Lookup Detail View

### Name

<b>Name</b>
NOLAN CARRIER

### License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status		Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	1148	09/30/2023	02/16/2023	NOLAN CARRIER	ACTIVE	CURRENT	None

Generated on: 2/16/2023 8:56:02 AM



# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Nolan Carrier**

*has successfully completed the*  
**4 Hour Asbestos Site Inspector Refresher Training**  
**Asbestos Accreditation Under TSCA Title II**  
**40 CFR Part 763**



Training held via a Live Webinar

Score: 80%

*conducted by:*

*ATC Group Services LLC dba ATLAS Technical*  
*73 William Franks Drive*  
*West Springfield, MA 01089*  
*(413) 781-0070*

*Gregory J. Morsch*

*Gregory J. Morsch*

Principal Instructor: Gregory Morsch

Regional Training Director: Gregory Morsch

May 25, 2023  
Date of Course

SIAR - 7448  
Certificate Number

May 25, 2024  
Expiration Date

May 25, 2023  
Examination Date



**CRAIG S CYR**  
**FUSS & ONEILL, INC**  
**146 HARTFORD RD**  
**MANCHESTER CT 06040-5992**



Dear CRAIG S CYR,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

**Department of Public Health**  
**P.O. Box 340308**  
**M.S.#12MQA**  
**Hartford, CT 06134-0308**

**(860) 509-7603**  
**oplc.dph@ct.gov**  
**www.ct.gov/dph/license**

Sincerely,

**MANISHA JUTHANI, MD, COMMISSIONER**  
**DEPARTMENT OF PUBLIC HEALTH**



**EMPLOYER'S COPY**

**STATE OF CONNECTICUT**  
**DEPARTMENT OF PUBLIC HEALTH**

NAME  
**CRAIG S CYR**

VALIDATION NO. **03-049187**      CERTIFICATE NO. **001164**      CURRENT THROUGH **09/30/23**

PROFESSION  
**ASBESTOS CONSULTANT-INSPECTOR**

SIGNATURE      COMMISSIONER

**STATE OF CONNECTICUT**  
**DEPARTMENT OF PUBLIC HEALTH**

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT



THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A  
**ASBESTOS CONSULTANT-INSPECTOR**

**CRAIG S CYR**

CERTIFICATE NO. **001164**

CURRENT THROUGH **09/30/23**

VALIDATION NO. **03-049187**

SIGNATURE      COMMISSIONER

**INSTRUCTIONS:**

1. Detach and sign each of the cards on this form
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.



**WALLET CARD**

**STATE OF CONNECTICUT**  
**DEPARTMENT OF PUBLIC HEALTH**

NAME  
**CRAIG S CYR**

VALIDATION NO. **03-049187**      CERTIFICATE NO. **001164**      CURRENT THROUGH **09/30/23**

PROFESSION  
**ASBESTOS CONSULTANT-INSPECTOR**

SIGNATURE      COMMISSIONER

1000918-000923-0000001 of 0000001-C01-a1d00101-1164-00920





# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Craig Cyr**

*has successfully completed the*  
**24 Hour Asbestos Site Inspector Initial Training**  
**Asbestos Accreditation Under TSCA Title II**  
**40 CFR Part 763**



*conducted by:*

*ATC Group Services LLC dba ATLAS Technical*  
*73 William Franks Drive*  
*West Springfield, MA 01089*  
*(413) 781-0070*

Principal Instructor: Thomas Dion

December 19-21, 2022

Date of Course

December 21, 2023

Expiration Date

Regional Training Director: Gregory Morsch

SI-2096

Certificate Number

December 21, 2022

Examination Date

CERT#: L-302-415

**CHEMSCOPE TRAINING DIVISION**

**LEAD INSPECTOR INITIAL  
24HOUR TRAINING CERTIFICATE**

**Craig Cyr**

**146 Hartford Road, Manchester CT**

Has attended a 24hour course on the subject discipline in English on

09/11/2023, 09/12/2023 & 09/14/2023 and has passed a written examination.

The above individual has successfully completed the above training course approved in accordance with the Department of Public Health Standards established pursuant to Section 20-477 of the Connecticut General Statutes.

Course syllabus includes all required topics of State of Connecticut DPH and EPA.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (U.S.C. 1001 and 15 U.S. C. 2615), I certify that this training complies with all applicable requirements of Title IV of TSCA, 40 CFR part 745 and any other applicable Federal, State, or local requirements.

**Examination Score: 100%**

**Exam Date: 09/14/2023**

**Expiration Date: 09/14/2024**



Daniel Sullivan  
Training Manager

Chem Scope, Inc.  
15 Moulthrop Street  
North Haven CT 06473  
Phone: 203.865.5605  
[www.chem-scope.com](http://www.chem-scope.com)

1000051 SP 0764 -C01-P00053-1



**FELIX REVOIR**  
146 HARTFORD RD  
MANCHESTER CT 06040-5992



Dear FELIX REVOIR,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

**Department of Public Health**  
P.O. Box 340308  
M.S.#12MQA  
Hartford, CT 06134-0308

**(860) 509-7603**  
**oplc.dph@ct.gov**  
**www.ct.gov/dph/license**

Sincerely,

**MANISHA JUTHANI, MD, COMMISSIONER**  
**DEPARTMENT OF PUBLIC HEALTH**

**EMPLOYER'S COPY**

**STATE OF CONNECTICUT**  
**DEPARTMENT OF PUBLIC HEALTH**

NAME  
**FELIX REVOIR**

VALIDATION NO. <b>03-026220</b>	CERTIFICATE NO. <b>001147</b>	CURRENT THROUGH <b>10/31/23</b>
------------------------------------	----------------------------------	------------------------------------

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

 SIGNATURE	 COMMISSIONER
---------------	------------------

**STATE OF CONNECTICUT**  
**DEPARTMENT OF PUBLIC HEALTH**

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A

**ASBESTOS CONSULTANT-INSPECTOR**

FELIX REVOIR

CERTIFICATE NO.  
**001147**

CURRENT THROUGH  
**10/31/23**

VALIDATION NO.  
**03-026220**

SIGNATURE

COMMISSIONER

**INSTRUCTIONS:**

1. Detach and sign each of the cards on this form
2. Display the large card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

**WALLET CARD**

**STATE OF CONNECTICUT**  
**DEPARTMENT OF PUBLIC HEALTH**

NAME  
**FELIX REVOIR**

VALIDATION NO. <b>03-026220</b>	CERTIFICATE NO. <b>001147</b>	CURRENT THROUGH <b>10/31/23</b>
------------------------------------	----------------------------------	------------------------------------

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

 SIGNATURE	 COMMISSIONER
---------------	------------------

1000051-0000055-0000001 of 0000001-C01-a1400101-0764-00053



# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Felix Revoir**

*has successfully completed the*  
**24 Hour Asbestos Site Inspector Initial Training**  
**Asbestos Accreditation Under TSCA Title II**  
**40 CFR Part 763**



*conducted by:*

*ATC Group Services LLC dba ATLAS Technical*  
*73 William Franks Drive*  
*West Springfield, MA 01089*  
*(413) 781-0070*

*Gregory J. Morsch*

*Gregory J. Morsch*

Principal Instructor: Gregory Morsch

Regional Training Director: Gregory Morsch

August 29-31, 2022  
Date of Course

SI-2067  
Certificate Number

August 31, 2023  
Expiration Date

August 31, 2022  
Examination Date



# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Felix Revoir**

*has successfully completed the*  
**4 Hour Asbestos Site Inspector Refresher Training**  
**Asbestos Accreditation Under TSCA Title II**  
**40 CFR Part 763**

Training held via a Live  
Webinar

Score: 76%

*conducted by:*

*ATC Group Services LLC dba ATLAS Technical*  
*73 William Franks Drive*  
*West Springfield, MA 01089*  
*(413) 781-0070*



*Gregory J. Morsch*

*Gregory J. Morsch*

Principal Instructor: Gregory Morsch

Regional Training Director: Gregory Morsch

August 24, 2023  
Date of Course

SIAR - 7506  
Certificate Number

August 24, 2024  
Expiration Date

August 24, 2023  
Examination Date

## Appendix C

---

### Asbestos Laboratory Reports and Chain of Custody Forms



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
 EPA Method: 600/R-93/116 and  
 40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
 146 Hartford Road  
 Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-01A	Red brick	None Detected		100% Other	Red Non-Fibrous Homogeneous
10031454_0001					Crushed
20230817-CC-01B	Red brick	None Detected		100% Other	Red Non-Fibrous Homogeneous
10031454_0002					Crushed
20230817-CC-02A	Gray mortar associated with red brick	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0003					Crushed
20230817-CC-02B	Gray mortar associated with red brick	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0004					Crushed
20230817-CC-03A	Black caulk on window between glass and frame	None Detected		100% Other	Black Non-Fibrous Homogeneous
10031454_0005					Ashed
20230817-CC-03B	Black caulk on window between glass and frame	None Detected		100% Other	Black Non-Fibrous Homogeneous
10031454_0006					Ashed
20230817-CC-04A	Tan caulk on window between glass and frame	None Detected		100% Other	Transparent, Tan Non-Fibrous Homogeneous
10031454_0007					Ashed
20230817-CC-04B	Tan caulk on window between glass and frame	None Detected		100% Other	Transparent, Tan Non-Fibrous Homogeneous
10031454_0008					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-05A	Tan fibrous asphaltic expansion joint	None Detected		100% Other	Tan, Gray Non-Fibrous Heterogeneous
10031454_0009					Ashed
20230817-CC-05B	Tan fibrous asphaltic expansion joint	None Detected		100% Other	Tan, Gray Non-Fibrous Heterogeneous
10031454_0010					Ashed
20230817-CC-06A	Dark brown fibrous walkway crack repair caulk	None Detected		100% Other	Brown, Black Non-Fibrous Heterogeneous
10031454_0011					Dissolved
20230817-CC-06B	Dark brown fibrous walkway crack repair caulk	None Detected		100% Other	Brown, Black Non-Fibrous Heterogeneous
10031454_0012					Dissolved
20230817-CC-07A	Black asphaltic expansion joint	None Detected	10% Cellulose	90% Other	Black Non-Fibrous Heterogeneous
10031454_0013					Dissolved
20230817-CC-07B	Black asphaltic expansion joint	None Detected	10% Cellulose	90% Other	Black Non-Fibrous Heterogeneous
10031454_0014					Dissolved
20230817-CC-08A	Light gray cementitious perforated panel ceiling above walkway	15% Chrysotile		85% Other	Gray Non-Fibrous Homogeneous
10031454_0015					Teased, Crushed
20230817-CC-08B	Light gray cementitious perforated panel ceiling above walkway	Not Analyzed			
10031454_0016					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

**Analyst**

**Approved Signatory**





# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-09A	Light tan caulk around door frame of center door	None Detected		100% Other	Tan, Transparent Non-Fibrous Homogeneous
10031454_0017					Ashed
20230817-CC-09B	Light tan caulk around door frame of center door	None Detected		100% Other	Tan, Transparent Non-Fibrous Homogeneous
10031454_0018					Ashed
20230817-CC-10A	Light gray caulk around door frame of back door	None Detected		100% Other	Transparent, Gray Non-Fibrous Homogeneous
10031454_0019					Ashed
20230817-CC-10B	Light gray caulk around door frame of back door	None Detected		100% Other	Transparent, Gray Non-Fibrous Homogeneous
10031454_0020					Ashed
20230817-CC-11A	White vertical expansion joint caulk	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0021					Ashed
20230817-CC-11B	White joint caulk	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0022					Ashed
20230817-CC-01A	White brick with black speckles	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0023					Crushed
20230817-CC-01B	White brick with black speckles	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0024					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

**Analyst**

**Approved Signatory**



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-02A	Gray mortar associated with white brick, black speckles	None Detected		100% Other	White Non-Fibrous Heterogeneous
10031454_0025					Crushed
20230817-CC-02B	Gray mortar associated with white brick, black speckles	None Detected		100% Other	White Non-Fibrous Heterogeneous
10031454_0026					Crushed
20230817-CC-03A	Red brick (painted white)	None Detected		100% Other	White, Red Non-Fibrous Homogeneous
10031454_0027					Crushed
20230817-CC-03B	Red brick (painted white)	None Detected		100% Other	White, Red Non-Fibrous Homogeneous
10031454_0028					Crushed
20230817-CC-04A	White mortar associated with red brick (painted white)	None Detected		100% Other	White Non-Fibrous Heterogeneous
10031454_0029					Crushed
20230817-CC-04B	White mortar associated with red brick (painted white)	None Detected		100% Other	White Non-Fibrous Heterogeneous
10031454_0030					Crushed
20230817-CC-05A	Smooth gravel textured parging below windows on concrete	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0031					Crushed
20230817-CC-05B	Smooth gravel textured parging below windows on concrete	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0032					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

**Analyst**

**Approved Signatory**



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-06A	Gray gravel textured parking patch material below windows over smooth gravel textured parking	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0033					Crushed
20230817-CC-06B	Gray gravel textured parking patch material below windows over smooth gravel textured parking	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0034					Crushed
20230817-CC-07A	Black caulk on window frame between glass and frame	None Detected		100% Other	Black Non-Fibrous Homogeneous
10031454_0035					Ashed
20230817-CC-07B	Black caulk on window frame between glass and frame	None Detected		100% Other	Black Non-Fibrous Homogeneous
10031454_0036					Ashed
20230817-CC-08A	Light gray caulk on window frame between glass and frame	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10031454_0037					Ashed
20230817-CC-08B	Light gray caulk on window frame between glass and frame	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10031454_0038					Ashed
20230817-CC-09A	Silver caulk on window between glass and frame	None Detected		100% Other	Silver Non-Fibrous Homogeneous
10031454_0039					Ashed
20230817-CC-09B	Silver caulk on window between glass and frame	None Detected		100% Other	Silver Non-Fibrous Homogeneous
10031454_0040					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-10A	Black asphaltic expansion joint around entrance doors	None Detected	10% Cellulose	90% Other	Black Non-Fibrous Heterogeneous
10031454_0041					Dissolved
20230817-CC-10B	Black asphaltic expansion joint around entrance doors	None Detected	10% Cellulose	90% Other	Black Non-Fibrous Heterogeneous
10031454_0042					Dissolved
20230817-CC-11A	Light gray cementitious perforated panel ceiling above walkway	15% Chrysotile		85% Other	Gray Non-Fibrous Homogeneous
10031454_0043					Crushed, Teased
20230817-CC-11B	Light gray cementitious perforated panel ceiling above walkway	Not Analyzed			
10031454_0044					
20230817-CC-12A	Gray CMU (white sand texture coating)	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0045					Crushed
20230817-CC-12B	Gray CMU (white sand texture coating)	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0046					Crushed
20230817-CC-13A	Gray CMU wall cement filled patch	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0047					Crushed
20230817-CC-13B	Gray CMU wall cement filled patch	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0048					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
 EPA Method: 600/R-93/116 and  
 40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
 146 Hartford Road  
 Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-14A	Gray mortar associated with CMU wall	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0049					Crushed
20230817-CC-14B	Gray mortar associated with CMU wall	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0050					Crushed
20230817-CC-15A	White CMU sand texture coating	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0051					Dissolved
20230817-CC-15B	White CMU sand texture coating	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0052					Dissolved
20230817-CC-15C	White CMU sand texture coating	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0053					Dissolved
20230817-CC-16A	Gray original horizontal joint caulk	5% Chrysotile		95% Other	Gray Non-Fibrous Homogeneous
10031454_0054					Dissolved
20230817-CC-16B	Gray original horizontal joint caulk	Not Analyzed			
10031454_0055					
20230817-CC-17A	White horizontal joint repair caulk	3% Chrysotile		97% Other	White Non-Fibrous Homogeneous
10031454_0056					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-17B	White horizontal joint repair caulk	Not Analyzed			
10031454_0057					
20230817-CC-17C	White horizontal joint repair caulk	Not Analyzed			
10031454_0058					
20230817-CC-17D	White horizontal joint repair caulk	Not Analyzed			
10031454_0059					
20230817-CC-18A	Black horizontal flashing caulk	None Detected	10% Cellulose 10% Synthetic Fibers	80% Other	Gray, Black Non-Fibrous Heterogeneous
10031454_0060					Ashed
20230817-CC-18B	Black horizontal flashing caulk	None Detected	10% Cellulose 10% Synthetic Fibers	80% Other	Gray, Black Non-Fibrous Heterogeneous
10031454_0061					Ashed
20230817-CC-19A	White caulk from door frame between frame and CMU	3% Chrysotile		97% Other	White Non-Fibrous Homogeneous
10031454_0062					Ashed
20230817-CC-19B	White caulk from door frame between frame and CMU	Not Analyzed			
10031454_0063					
20230817-CC-19C	White caulk from door frame between frame and CMU	Not Analyzed			
10031454_0064					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

**Analyst**

**Approved Signatory**



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-20A	Tan metal door core paper from door	None Detected	95% Cellulose	5% Other	Tan Fibrous Homogeneous
10031454_0065					Ashed
20230817-CC-20B	Tan metal door core paper from door	None Detected	95% Cellulose	5% Other	Tan Fibrous Homogeneous
10031454_0066					Ashed
20230817-CC-21A	Light tan door core paper adhesive from door	None Detected		100% Other	Cream Non-Fibrous Homogeneous
10031454_0067					Dissolved
20230817-CC-21B	Light tan door core paper adhesive from door	None Detected		100% Other	Cream Non-Fibrous Homogeneous
10031454_0068					Dissolved
20230817-CC-01A	White brick	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0069					Crushed
20230817-CC-01B	White brick	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0070					Crushed
20230817-CC-02A	White mortar associated brick	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0071					Crushed
20230817-CC-02B	White mortar associated brick	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0072					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-03A	Smooth gravel textured parging below windows over cement	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0073					Crushed
20230817-CC-03B	Smooth gravel textured parging below windows over cement	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0074					Crushed
20230817-CC-04A	Gray gravel textured parging patch material below windows over smooth gravel textured parging	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0075					Crushed
20230817-CC-04B	Gray gravel textured parging patch material below windows over smooth gravel textured parging	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0076					Crushed
20230817-CC-05A	Gray caulk from east side of door frame between glass and frame	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10031454_0077					Ashed
20230817-CC-06A	Silver caulk from bottom of windows between glass and frame	None Detected		100% Other	Silver Non-Fibrous Homogeneous
10031454_0078					Ashed
20230817-CC-07A	White glazing between glass and frame	None Detected	3% Fiber Glass	97% Other	White Non-Fibrous Homogeneous
10031454_0079					Dissolved
20230817-CC-07B	White glazing between glass and frame	None Detected	3% Fiber Glass	97% Other	White Non-Fibrous Homogeneous
10031454_0080					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

Analyst

Approved Signatory





# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-08A	Light gray cementitious perforated panel ceiling above walkway	15% Chrysotile		85% Other	Gray Non-Fibrous Homogeneous
10031454_0081					Crushed, Teased
20230817-CC-08B	Light gray cementitious perforated panel ceiling above walkway	Not Analyzed			
10031454_0082					
20230817-CC-09A	Black asphaltic roof cover on top of walkway canopy	8% Chrysotile	10% Cellulose	82% Other	Black, Gray Non-Fibrous Heterogeneous
10031454_0083					Dissolved
20230817-CC-09B	Black asphaltic roof cover on top of walkway canopy	Not Analyzed			
10031454_0084					
20230817-CC-10A	Gray CMU(white sand textured coating)	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0085					Crushed
20230817-CC-11A	Light gray CMU mortar from N wall 20' E of B4 (white sand texture coating)	None Detected		100% Other	White, Gray Non-Fibrous Heterogeneous
10031454_0086					Crushed
20230817-CC-12A	White sand texture wall coating over CMU wall	None Detected		100% Other	Gray, White Non-Fibrous Heterogeneous
10031454_0087					Crushed
20230817-CC-13A	Gray caulk from vertical seam	3% Chrysotile		97% Other	White Non-Fibrous Homogeneous
10031454_0088					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-13B	Gray caulk from horizontal seam north wall	Not Analyzed			
10031454_0089					
20230817-CC-14A	White caulk from 5' overheard door between frame and CMU	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10031454_0090					Ashed
20230817-CC-14B	White caulk from 5' overheard door between frame and CMU	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10031454_0091					Ashed
20230817-CC-15A	Black condenser unit fabric connector	None Detected	90% Fiber Glass	10% Other	Gray Fibrous Homogeneous
10031454_0092					Teased
20230817-CC-16A	Clear condenser unit caulk between wall and unit	None Detected		100% Other	Beige Non-Fibrous Homogeneous
10031454_0093					Ashed
20230817-CC-01A	White brick	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0094					Crushed
20230817-CC-01B	White brick	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0095					Crushed
20230817-CC-02A	White mortar associated with white brick	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0096					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-02B	White mortar associated with white brick	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0097					Crushed
20230817-CC-03A	Smooth gravel textured parging belowe windows on concrete	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0098					Crushed
20230817-CC-03B	Smooth gravel textured parging belowe windows on concrete	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0099					Crushed
20230817-CC-04A	Gray gravel textured parging patch material below windows over smooth gravel textured parging	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0100					Crushed
20230817-CC-04B	Gray gravel textured parging patch material below windows over smooth gravel textured parging	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0101					Crushed
20230817-CC-05A	Light gray caulk from winow between window and frame	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10031454_0102					Ashed
20230817-CC-06A	White caulk between frame and white brick	3% Chrysotile	3% Other	94% Other	White Non-Fibrous Homogeneous
10031454_0103					Dissolved
20230817-CC-06B	White caulk between frame and white brick	Not Analyzed			
10031454_0104					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

**Analyst**

**Approved Signatory**



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-07A	Light gray cementitious perforated panel ceiling above walkway	15% Chrysotile		85% Other	Gray Fibrous Homogeneous
10031454_0105					Crushed, Teased
20230817-CC-07B	Light gray cementitious perforated panel ceiling above walkway	Not Analyzed			
10031454_0106					
20230817-CC-08A	Brown perforated fiberboard repair panel ceiling above walkway	None Detected	95% Cellulose	5% Other	Brown Fibrous Homogeneous
10031454_0107					Ashed
20230817-CC-08B	Brown perforated fiberboard repair panel ceiling above walkway	None Detected	95% Cellulose	5% Other	Brown Fibrous Homogeneous
10031454_0108					Ashed
20230817-CC-09A	Black asphaltic roof cover on top of walkway canopy	5% Chrysotile	10% Cellulose	85% Other	Black, Gray Non-Fibrous Heterogeneous
10031454_0109					Dissolved
20230817-CC-09B	Black asphaltic roof cover on top of walkway canopy	Not Analyzed			
10031454_0110					
20230817-CC-10A	Gray CMU (white sand texture coating)	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0111					Crushed
20230817-CC-11A	Gray CMU (white sand texture coating)	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0112					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-12A	White sane texture coating on CMU/mortar	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0113					Crushed
20230817-CC-13A	Gray caulk from horizontal seam	3% Chrysotile		97% Other	White Non-Fibrous Homogeneous
10031454_0114					Ashed
20230817-CC-01A	Red brick	None Detected		100% Other	Red Non-Fibrous Homogeneous
10031454_0115					Crushed
20230817-CC-01B	Red brick	None Detected		100% Other	Red Non-Fibrous Homogeneous
10031454_0116					Crushed
20230817-CC-02A	Gray mortar associated with red brick	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0117					Crushed
20230817-CC-02B	Gray mortar associated with red brick	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0118					Crushed
20230817-CC-03A	Black caulk from raised window frames between glass and frame	None Detected		100% Other	Brown Non-Fibrous Homogeneous
10031454_0119					Ashed
20230817-CC-03B	Black caulk from raised window frames between glass and frame	None Detected		100% Other	Brown Non-Fibrous Homogeneous
10031454_0120					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-03C	Black caulk from raised window frames between glass and frame	None Detected		100% Other	Brown Non-Fibrous Homogeneous
10031454_0121					Ashed
20230817-CC-04A	White caulk on top of raised window frames	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0122					Ashed
20230817-CC-04B	White caulk on top of raised window frames	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0123					Ashed
20230817-CC-05A	Brown fibrous sidewalk expansion joint	None Detected	95% Cellulose	5% Other	Brown Fibrous Homogeneous
10031454_0124					Ashed
20230817-CC-05B	Brown fibrous sidewalk expansion joint	None Detected	95% Cellulose	5% Other	Brown Fibrous Homogeneous
10031454_0125					Ashed
20230817-CC-06A	White drywall ceiling above walkway over wood	None Detected	10% Cellulose	90% Other	Gray, White Non-Fibrous Heterogeneous
10031454_0126	drywall:none detect;joint compound:none detect				Crushed
20230817-CC-06B	White drywall ceiling above walkway over wood	None Detected	10% Cellulose	90% Other	Gray, White Non-Fibrous Heterogeneous
10031454_0127	drywall:none detect;joint compound:none detect				Crushed
20230817-CC-07A - A	Tan drywall ceiling tape & joint compound	None Detected	95% Cellulose	5% Other	Tan Fibrous Homogeneous
10031454_0128	tape				Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-07A - B	Tan drywall ceiling tape & joint compound	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0155	joint compound				Crushed
20230817-CC-07B - A	Tan drywall ceiling tape & joint compound	None Detected	95% Cellulose	5% Other	Tan Fibrous Homogeneous
10031454_0129	tape				Ashed
20230817-CC-07B - B	Tan drywall ceiling tape & joint compound	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0156	joint compound				Crushed
20230817-CC-08A	Light tan facade soffit EIFS material	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0130					Crushed
20230817-CC-08B	Light tan facade soffit EIFS material	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0131					Crushed
20230817-CC-09A	Black brick	None Detected		100% Other	Gray, Black Non-Fibrous Homogeneous
10031454_0132					Crushed
20230817-CC-09B	Black brick	None Detected		100% Other	Gray, Black Non-Fibrous Homogeneous
10031454_0133					Crushed
20230817-CC-10A	Gray mortar associated with black brick	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0134					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-10B	Gray mortar associated with black brick	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0135					Crushed
20230817-CC-11A	Light gray caulk between frame and brick	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10031454_0136					Ashed
20230817-CC-11B	Light gray caulk between frame and brick	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10031454_0137					Ashed
20230817-CC-12A	Gray caulk at door frame between frame and brick	5% Chrysotile		95% Other	Gray Non-Fibrous Homogeneous
10031454_0138					Dissolved
20230817-CC-12B	Gray caulk window frame between frame and brick	Not Analyzed			
10031454_0139					
20230817-CC-13A	Black tar sidewalk expansion joint center	None Detected	10% Cellulose	90% Other	Black, Brown Non-Fibrous Heterogeneous
10031454_0140					Dissolved
20230817-CC-13B	Black tar sidewalk expansion joint center	None Detected	10% Cellulose	90% Other	Brown, Black Non-Fibrous Heterogeneous
10031454_0141					Dissolved
20230817-CC-14A	White/light blue plaster ceiling above walkway over metal	3% Chrysotile		97% Other	Gray, Blue Non-Fibrous Heterogeneous
10031454_0142					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

Analyst

Approved Signatory





# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-14B	White/light blue plaster ceiling above walkway over metal	Not Analyzed			
10031454_0143					
20230817-CC-15A	White textured finish on plaster ceiling	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0144	mostly paint				Crushed
20230817-CC-15B	White textured finish on plaster ceiling	None Detected		100% Other	White Non-Fibrous Homogeneous
10031454_0145	mostly paint				Crushed
20230817-CC-16A	Gray CMU white textured sand coat	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0146					Crushed
20230817-CC-16B	Gray CMU white textured sand coat	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0147					Crushed
20230817-CC-17A	Light gray CMU mortar (with white sand coat)	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0148					Crushed
20230817-CC-17B	Light gray CMU mortar (with white sand coat)	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0149					Crushed
20230817-CC-18A	White sand textured CMU/ mortar wall coating	None Detected		100% Other	Gray Non-Fibrous Heterogeneous
10031454_0150					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10031454

**Analysis:** PLM

**Date Received:** 08/29/2023

**Date Reported:** 09/06/2023

**Project:** Silver Lane Plaza/ 20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230817-CC-19A	Light gray caulk on door frame between frame and CMU	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10031454_0151					Ashed
20230817-CC-19B	Light gray caulk on door frame between frame and CMU	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10031454_0152					Ashed
20230817-CC-20A	White metal door frame caulk between frame and CMU	3% Chrysotile		97% Other	White Non-Fibrous Homogeneous
10031454_0153					Ashed
20230817-CC-20B	White caulk on door frame between frame and SMU	Not Analyzed			
10031454_0154					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (156)

Analyst

Approved Signatory



**Scientific Analytical Institute**  
 4604 Dundas Dr. Greensboro, NC 27407  
 Phone: 336.292.3888 Fax: 336.292.3313  
 www.sailab.com lab@sailab.com

Lab Use Only  
 Lab Order ID: 10031454  
 Client Code: \_\_\_\_\_

Company Contact Information	
Company: Fuss & O'Neill, Inc.	Contact: Carlos Texidor
Address: 146 Hartford Road Manchester, CT 06040	Phone <input type="checkbox"/> : 860-646-2469
	Fax <input type="checkbox"/> :
	Email <input checked="" type="checkbox"/> : LabResults@fando.com & ctexidor@fando.com

Asbestos Test Types	
PLM EPA 600/R-93/116 (PLM)	<input checked="" type="checkbox"/>
Positive stop	<input checked="" type="checkbox"/>
PLM Point Count 400 (PT4)	<input type="checkbox"/>
PLM Point Count 1000 (PTM)	<input type="checkbox"/>
PCM NIOSH 7400-A Rules (PCM)	<input type="checkbox"/>
B Rules (PCB) <input type="checkbox"/> TWA (PTA) <input type="checkbox"/>	
TEM AHERA (AHE)	<input type="checkbox"/>
TEM Level II (LII)	<input type="checkbox"/>
TEM NIOSH 7402 (TNI)	<input type="checkbox"/>
TEM Bulk Qualitative (TBL)	<input type="checkbox"/>
TEM Bulk Chatfield (TBS)	<input type="checkbox"/>
TEM Bulk Quantitative (TBQ)	<input type="checkbox"/>
TEM Wipe ASTM D6480-05	<input type="checkbox"/>
TEM Microvac ASTM D5755-09	<input type="checkbox"/>
TEM Water EPA 100.2 (TW1)	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>

Billing/Invoice Information	Turn Around Times	
Company: Fuss & O'Neill, Inc.	90 Min. <input type="checkbox"/>	48 Hours <input type="checkbox"/>
Contact: Carlos Texidor	3 Hours <input type="checkbox"/>	72 Hours <input type="checkbox"/>
Address: 146 Hartford Road Manchester, CT 06040	6 Hours <input type="checkbox"/>	96 Hours <input type="checkbox"/>
	12 Hours <input type="checkbox"/>	120 Hours <input type="checkbox"/>
	24 Hours <input type="checkbox"/>	7 Days <input checked="" type="checkbox"/>

**PO Number:** 20230389.A10

**Project Name/Number:** Silver Lane Plaza/20230389.A10

\*\*\*No TEM-NOB Analysis

\*\*\*Stop Positive for samples of each set.

Sample ID #	Location	Description	Comments
20230817-CC-01A	Building 1 SW corner pillar	Red brick	
20230817-CC-01B	Building 1 SW corner pillar	Red brick	
20230817-CC-02A	Building 1 SW corner pillar	Gray mortar associated with red brick	
20230817-CC-02B	Building 1 SW corner pillar	Gray mortar associated with red brick	
20230817-CC-03A	Building 1 E side of S elevation (Front)	Black caulk on window between glass and frame	
20230817-CC-03B	Building 1 E side of S elevation	Black caulk on window between glass and frame	
20230817-CC-04A	Building 1 E of entrance door of S elevation	Tan caulk on window between glass and frame	
20230817-CC-04B	Building 1 W of entrance door of S elevation	Tan caulk on windows between glass and frame	
20230817-CC-05A	Building 1 Corner of step at S elevation walkway	Tan fibrous asphaltic expansion joint	
20230817-CC-05B	Building 1 Corner of step at S elevation walkway	Tan fibrous asphaltic expansion joint	
20230817-CC-06A	Building 1 W side of walkway, S elevation	Dark brown fibrous walkway crack repair caulk	

Accepted

Rejected

*J. J. 8129*  
*10:30*



**Scientific Analytical Institute**  
**4604 Dundas Dr. Greensboro, NC 27407**  
**Phone: 336.292.3888 Fax: 336.292.3313**  
**www.sailab.com lab@sailab.com**

<b>Lab Use Only</b> Lab Order ID: _____ Client Code: _____
--

Sample ID #	Location	Description	Comments
20230817-CC-06B	Building 1 W side of walkway, S elevation	Dark brown fibrous walkway repair caulk	
20230817-CC-07A	Building 1 Between building 1 and 2, S elevation	Black asphaltic expansion joint	
20230817-CC-07B	Building 1 Between building 1 and 2, S elevation	Black asphaltic expansion joint	
20230817-CC-08A	Building 1 E side of roof, S elevation	Light gray cementitious perforated panel ceiling above walkway	
20230817-CC-08B	Building 1 West side of roof, S elevation	Light gray cementitious perforated panel ceiling above walkway	
20230817-CC-09A	Building 1 West elevation	Light tan caulk around door frame of center door	
20230817-CC-09B	Building 1 West elevation	Light tan caulk around door frame of center door	
20230817-CC-10A	Building 1 North elevation	Light gray caulk around door frame of back door	
20230817-CC-10B	Building 1 North elevation	Light gray caulk around door frame of back door	
20230817-CC-11A	Buildings 1 & 2 NE corner where between B1 and B2 meet	White vertical expansion joint caulk	
20230817-CC-11B	Buildings 1 & 2 NE corner where between B1 and B2 meet	White joint caulk	
20230817-CC-01A	Building 2 SE corner	White brick with black speckles	
20230817-CC-01B	Building 2 SW corner	White brick with black speckles	
20230817-CC-02A	Building 2 SE corner	Gray mortar associated with white brick, black speckles	
20230817-CC-02B	Building 2 SW corner	Gray mortar associated with white brick, black speckles	
20230817-CC-03A	Building 2 East side of South elevation	Red brick (painted white)	brick tested positive for lead
20230817-CC-03B	Building 2 West side of South elevation	Red brick (painted white)	brick tested positive for lead
20230817-CC-04A	Building 2 East side, South elevation	white mortar associated with red brick (painted white)	
20230817-CC-04B	Building 2 West side, South elevation	white mortar associated with red brick (painted white)	
20230817-CC-05A	Building 2 East side, South elevation	Smooth gravel textured parging below windows on concrete	
20230817-CC-05B	Building 2 West side, South elevation	Smooth gravel textured parging below windows on concrete	
20230817-CC-06A	Building 2 East side, South elevation	Gray gravel textured parging patch material below windows over smooth gravel textured parging	
20230817-CC-06B	Building 2 West side, South elevation	Gray gravel textured parging patch material below windows over smooth gravel textured parging	
20230817-CC-07A	Building 2 West of entrance, South elevation	Black caulk on window frame between glass and frame	
20230817-CC-07B	Building 2 West of entrance, South elevation	Black caulk on window frame between glass and frame	
20230817-CC-08A	Building 2 East of entrance, South elevation	Light gray caulk on window frame between glass and frame	
20230817-CC-08B	Building 2 West of entrance, South elevation	Light gray caulk on window frames between glass and frame	
20230817-CC-09A	Building 2 East of entrance, South elevation	Silver caulk on window between glass and frame	
20230817-CC-09B	Building 2 West of entrance, South elevation	Silver caulk on windows between glass and frame	
20230817-CC-10A	Building 2 South elevation	Black asphaltic expansion joint around entrance doors	
20230817-CC-10B	Building 2 South elevation	Black asphaltic expansion joint around entrance doors	



**Scientific Analytical Institute**  
 4604 Dundas Dr. Greensboro, NC 27407  
 Phone: 336.292.3888 Fax: 336.292.3313  
 www.sailab.com lab@sailab.com

*Lab Use Only*  
 Lab Order ID: \_\_\_\_\_  
 Client Code: \_\_\_\_\_

Sample ID #	Location	Description	Comments
20230817-CC-11A	Building 2 East edge, South elevation	Light gray cementitious perforated panel ceiling above walkway	
20230817-CC-11B	Building 2 10' West of entrance, South elevation	Light gray cementitious perforated panel ceiling above walkway	
20230817-CC-12A	Building 2 Northeast wall corner	Gray CMU (white sand texture coating)	
20230817-CC-12B	Building 2 Northwest corner	Gray CMU (white sand texture coating)	
20230817-CC-13A	Building 2 North end of East wall	Gray CMU wall cement filled patch	
20230817-CC-13B	Building 2 North end of East wall	Gray CMU wall cement filled patch	
20230817-CC-14A	Building 2 Northeast wall corner	Gray mortar associated with CMU wall	
20230817-CC-14B	Building 2 Center of North wall	Gray mortar associated with CMU wall	
20230817-CC-15A	Building 2 Center of West wall	White CMU sand texture coating	
20230817-CC-15B	Building 2 West end of North wall	White CMU sand texture coating	
20230817-CC-15C	Building 2 N end of E wall	White CMU sand texture coating	
20230817-CC-16A	Building 2 Center of N wall	Gray original horizontal joint caulk	Caulk half way up wall
20230817-CC-16B	Building 2 40' W edge of N wall	Gray original horizontal joint caulk	Caulk half way up wall
20230817-CC-17A	Building 2 10' N of B1 on W wall	White horizontal joint repair caulk	Caulk half way up wall
20230817-CC-17B	Building 2 Center of N wall	White horizontal joint repair caulk	Caulk half way up wall
20230817-CC-17C	Building 2 10' E of W edge on N wall	White horizontal joint repair caulk	Caulk half way up wall
20230817-CC-17D	Building 2 10' S of N edge on E wall	White horizontal joint repair caulk	Caulk half way up wall
20230817-CC-18A	Building 2 Former canopy, center E wall	Black horizontal flashing caulk	Caulk half way up wall
20230817-CC-18B	Building 2 Former canopy, center E wall	Black horizontal flashing caulk	Caulk half way up wall
20230817-CC-19A	Building 2 Center of N wall	White caulk from door frame between frame and CMU	
20230817-CC-19B	Building 2 East end of North wall	White caulk from dumpster chute between metal and CMU	
20230817-CC-19C	Building 2 N edge of E wall	White caulk from door frame between frame and CMU	
20230817-CC-20A	Building 2 N edge of E wall	Tan metal door core paper from door	
20230817-CC-20B	Building 2 N edge of E wall	Tan metal door core paper from door	
20230817-CC-21A	Building 2 N edge of E wall	Light tan door core paper adhesive from door	
20230817-CC-21B	Building 2 N edge of E wall	Light tan door core paper adhesive from door	
20230817-CC-01A	Building 3 E end of S elevation	White brick	
20230817-CC-01B	Building 3 W end of S elevation	White brick	
20230817-CC-02A	Building 3 E end of S elevation	White mortar associated with white brick	
20230817-CC-02B	Building 3 W end of S elevation	White mortar associated with white brick	
20230817-CC-03A	Building 3 E side of S elevation	Smooth gravel textured parging below windows over cement	
20230817-CC-03B	Building 3 W end of S elevation	Smooth gravel textured parging below windows over cement	
20230817-CC-04A	Building 3 E side of S elevation	Gray gravel textured parging patch material below windows over smooth gravel textured parging	
20230817-CC-04B	Building 3 W side of S elevation	Gray gravel textured parging patch material below windows over smooth gravel textured parging	
20230817-CC-05A	Building 3 East door at South elevation	Gray caulk from East side of door frame between glass and frame	



**Scientific Analytical Institute**  
 4604 Dundas Dr. Greensboro, NC 27407  
 Phone: 336.292.3888 Fax: 336.292.3313  
 www.sailab.com lab@sailab.com

<b>Lab Use Only</b> Lab Order ID: _____ Client Code: _____
--

Sample ID #	Location	Description	Comments
20230817-CC-06A	Building 3 East door at South elevation	Silver caulk from bottom of windows between glass and frame	
20230817-CC-07A	Building 3 East entrance door windows, South elevation	White glazing between glass and frame	
20230817-CC-07B	Building 3 West entrance door windows, S elevation	White glazing between glass and frame	
20230817-CC-08A	Building 3 East side of roof, S elevation	Light gray cementitious perforated panel ceiling above walkway	
20230817-CC-08B	Building 3 West end of roof, S elevation	Light gray cementitious perforated panel ceiling above walkway	
20230817-CC-09A	Building 3 West end, S elevation	Black asphaltic roof cover on top of walkway canopy	
20230817-CC-09B	Building 3 Center of South elevation	Black asphaltic roof cover on top of walkway canopy	
20230817-CC-10A	Building 3 North wall 20' E of B4	Gray CMU (white sand textured coating)	
20230817-CC-11A	Building 3 NE corner where between B1 and B2 meet	Light gray CMU mortar from N wall 20' E of B4 (white sand texture coating)	
20230817-CC-12A	Building 3 N wall 20' E of B4	White sand texture wall coating over CMU wall	
20230817-CC-13A	Building 3 Center of North wall	Gray caulk from vertical seam	
20230817-CC-13B	Building 320' E of B4	Gray caulk from horizontal seam North wall	Caulk half way up wall
20230817-CC-14A	Center of N wall	White caulk from 5' overhead door between frame and CMU	
20230817-CC-14B	Building 3 Center of N wall	White caulk from 5' overhead door between frame and CMU	
20230817-CC-15A	Building 3 Center of N wall	Black condenser unit fabric connector	
20230817-CC-16A	Building 3 Center of N wall	Clear condenser unit caulk between wall and unit	
20230817-CC-01A	Building 4 E end of S elevation	White brick	
20230817-CC-01B	Building 4 W end of S elevation	White brick	
20230817-CC-02A	Building 4 E end of S elevation	White mortar associated with white brick	
20230817-CC-02B	Building 4 W end of S elevation	White mortar associated with white brick	
20230817-CC-03A	Building 4 E side of S elevation	Smooth gravel textured parging below windows on concrete	
20230817-CC-03B	Building 4 Center of S elevation	Smooth gravel textured parging below windows on concrete	
20230817-CC-04A	Building 4 E side of S elevation	Gray gravel textured parging patch material below windows over smooth gravel textured parging	
20230817-CC-04B	Building 4 W side of S elevation	Gray gravel textured parging patch material below windows over smooth gravel textured parging	
20230817-CC-05A	Building 4 W of entrance on S elevation	Light gray caulk from window between window and frame	small section only one window
20230817-CC-06A	Building 4 E end of window frame on S elevation	White caulk between frame and white brick	window frame - brick joint
20230817-CC-06B	Building 4 E end of window frame on S elevation	White caulk between frame and white brick	window frame - brick joint
20230817-CC-07A	Building 4 E side of roof, S elevation	Light gray cementitious perforated panel ceiling above walkway	
20230817-CC-07B	Building 4 W side of roof, S elevation	Light gray cementitious perforated panel ceiling above walkway	
20230817-CC-08A	Building 4 E side of roof, S elevation	Brown perforated fiberboard repair panel ceiling above walkway	
20230817-CC-08B	Building 4 E side of roof, S elevation	Brown perforated fiberboard repair panel ceiling above walkway	
20230817-CC-09A	Building 4 E side, S elevation	Black asphaltic roof cover on top of walkway canopy	



**Scientific Analytical Institute**  
 4604 Dundas Dr. Greensboro, NC 27407  
 Phone: 336.292.3888 Fax: 336.292.3313  
 www.sailab.com lab@sailab.com

*Lab Use Only*  
 Lab Order ID: \_\_\_\_\_  
 Client Code: \_\_\_\_\_

Sample ID #	Location	Description	Comments
20230817-CC-09B	Building 4 Center of S elevation	Black asphaltic roof cover on top of walkway canopy	
20230817-CC-10A	Building 4 N wall 15' west of back door	Gray CMU (white sand texture coating)	
20230817-CC-11A	Building 4 N wall 15' west of back door	Light gray CMU mortar (white sand texture coating)	
20230817-CC-12A	Building 4 N wall 15' west of back door	White sand texture wall coating on CMU/mortar	
20230817-CC-13A	Building 4 N wall E end, 10' W of B5	Gray caulk from horizontal seam	
20230817-CC-01A	Building 5 West E side of S elevation	Red brick	
20230817-CC-01B	5 West W side of S elevation	Red brick	
20230817-CC-02A	5 West W side of S elevation	Gray mortar associated with red brick	
20230817-CC-02B	5 West W side of S elevation	Gray mortar associated with red brick	
20230817-CC-03A	5 West E end, S elevation	Black caulk from raised window frames between glass and frame	
20230817-CC-03B	Building 5 West W end, S elevation	Black caulk from raised window frames between glass and frame	
20230817-CC-03C	Building 5 West S elevation	Black caulk from door frames between glass and frame	
20230817-CC-04A	Building 5 West S elevation	White caulk on top of raised window frames	
20230817-CC-04B	Building 5 West S elevation	White caulk on top of raised window frames	
20230817-CC-05A	Building 5 West Center of walkway, S elevation	Brown fibrous sidewalk expansion joint	
20230817-CC-05B	Building 5 West E end of walkway, S elevation	Brown fibrous sidewalk expansion joint	
20230817-CC-06A	Building 5 West E end of S elevation	White drywall ceiling above walkway over wood	
20230817-CC-06B	Building 5 West W end of S elevation	White drywall ceiling above walkway over wood	
20230817-CC-07A	Building 5 West E end of S elevation	Tan drywall ceiling tape & joint compound	
20230817-CC-07B	Building 5 West W side of S elevation	Tan drywall ceiling tape & joint compound	
20230817-CC-08A	Building 5 West E end of S elevation	Light tan facade soffit EIFS material	
20230817-CC-08B	Building 5 West Center of S elevation	Light tan facade soffit EIFS material	
20230817-CC-09A	Building 5 East E side of S elevation	Black brick	
20230817-CC-09B	Building 5 East SW corner of S elevation	Black brick	
20230817-CC-10A	Building 5 East E side of S elevation	Gray mortar associated with black brick	
20230817-CC-10B	Building 5 East SW corner of S elevation	Gray mortar associated with black brick	
20230817-CC-11A	Building 5 East Around entrance frame of S elevation	Light gray caulk between glass and frame	
20230817-CC-11B	Building 5 East Around entrance frame of S elevation	Light gray caulk between glass and frame	
20230817-CC-12A	Building 5 East Brick joint of S elevation	Gray caulk at door frame between frame and brick	
20230817-CC-12B	Building 5 East Brick joint W side of S elevation	Gray caulk window frame between frame and brick	
20230817-CC-13A	Building 5 East E of walkway, S elevation	Black tar sidewalk expansion joint center	
20230817-CC-13B	Building 5 East W of walkway, S elevation	Black tar sidewalk expansion joint center	
20230817-CC-14A	Building 5 East SW corner, S elevation	White/light blue plaster ceiling above walkway over metal	
20230817-CC-14B	Building 5 East E end, S elevation	White/light blue plaster ceiling above walkway over metal	



**Scientific Analytical Institute**  
 4604 Dundas Dr. Greensboro, NC 27407  
 Phone: 336.292.3888 Fax: 336.292.3313  
 www.sailab.com lab@sailab.com

<b>Lab Use Only</b> Lab Order ID: _____ Client Code: _____
--

Sample ID #	Location	Description	Comments
20230817-CC-15A	Building 5 East SW corner, S elevation	White textured finish on plaster ceiling	
20230817-CC-15B	Building 5 East E end, S elevation	White textured finish on plaster ceiling	
20230817-CC-16A	Building 5 West N wall 15' E of electrical transformer	Gray CMU (white textured sand coat)	
20230817-CC-16B	Building 5 East NE corner	Gray CMU white textured sand coat)	
20230817-CC-17A	Building 5 West N wall 15' E of electrical transformer	Light gray CMU mortar (with white sand coat)	
20230817-CC-17B	Building 5 East NE corner	Light gray CMU mortar (with white sand coat)	
20230817-CC-18A	Building 5 East N end of E wall	White sand textured CMU/mortar wall coating	
20230817-CC-19A	Building 5 East 20' E of W edge on N wall	Light gray caulk on door frame between frame and CMU	
20230817-CC-19B	Building 5 East 20' E of W edge on N wall	Light gray caulk on door frame between frame and CMU	
20230817-CC-20A	Building 5 East 5' overhead door frame on N wall	White metal door frame caulk between frame and CMU	
20230817-CC-20B	Building 5 East 5' S of N edge on W wall	White caulk on door frame between frame and CMU	

Total # of Samples 154

Relinquished by	Date/Time	Received by	Date/Time
Craig Cyr	08/28/2023 09:50	8129	10:30





# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033676

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/ 20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-NC-01A	Bldg 2 SW cmr.of carpet area left of entry/12x12 White Vinyl Floor Tile (VFT)	None Detected		100% Other	White Non-Fibrous Homogeneous
10033676_0001					Crushed
20230829-NC-01B	Bldg 2 NW tile walkway next to corner pillar/12x12 White VFT	None Detected		100% Other	White Non-Fibrous Homogeneous
10033676_0002					Crushed
20230829-NC-01C	Bldg 2 NE cmr.tile walkway near partition wall/ 12x12 White VFT	None Detected		100% Other	White Non-Fibrous Homogeneous
10033676_0003					Crushed
20230829-NC-02A	Bldg 2 SW cmr.of carpet area left of entry/ 9x9 Blue VFT	Not Analyzed			
10033676_0004					
20230829-NC-02B	Bldg 2 SE tile walkway towards office #1/ 9x9 Blue VFT	Not Analyzed			
10033676_0005					
20230829-NC-02C	Bldg 2 NE tile walkway near partition wall/ 9x9 Blue VFT	Not Analyzed			
10033676_0006					
20230829-NC-03A	Bldg 2 SW cmr.of carpet area left of entry/Yellow Mastic a/w 12x12 White VFT	None Detected		100% Other	Yellow, Orange Non-Fibrous Homogeneous
10033676_0007					Ashed
20230829-NC-03B	Bldg 2 NW tile walkway next to corner pillar/Yellow Mastic a/w 12x12 White VFT	None Detected		100% Other	Orange, Yellow Non-Fibrous Homogeneous
10033676_0008					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Lachlan Krenz (48)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033676

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/ 20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-NC-03C	Bldg 2 NE cmr.tile walkway near partition wall/Yellow Mastic a/w 12x12 White VFT	None Detected		100% Other	Yellow, Orange Non-Fibrous Homogeneous
10033676_0009					Ashed
20230829-NC-04A	Bldg 2 SW cmr.of carpet area left of entry/Black Mastic a/w 9x9 Blue VFT	8% Chrysotile		92% Other	Black Non-Fibrous Homogeneous
10033676_0010					Dissolved
20230829-NC-04B	Bldg 2 SE tile walkway towards office #1/Black Mastic a/w 9x9 Blue VFT	Not Analyzed			
10033676_0011					
20230829-NC-04C	Bldg 2 NE tile walkway near partition wall/Black Mastic a/w 9x9 Blue VFT	Not Analyzed			
10033676_0012					
20230829-NC-05A	Bldg 2 NE side in front partition wall/9x9 Grey VFT	5% Chrysotile		95% Other	Gray Non-Fibrous Homogeneous
10033676_0013					Crushed
20230829-NC-05B	Bldg 2 SW cmr.of carpet area left of entry/9x9 Grey VFT	5% Chrysotile		95% Other	Gray Non-Fibrous Homogeneous
10033676_0014					Crushed
20230829-NC-05C	Bldg 2 NW cmr.of tile walkway towards storage rm./9x9 Grey VFT	5% Chrysotile		95% Other	Gray Non-Fibrous Homogeneous
10033676_0015					Crushed
20230829-NC-06A	Bldg 2 SW side of grey (carpet/tile) walkway border/9x9 Yellow VFT	5% Chrysotile		95% Other	Gray Non-Fibrous Homogeneous
10033676_0016					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Lachlan Krenz (48)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033676

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/ 20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-NC-06B	Bldg 2 NW side of grey (carpet/tile) walkway border/9x9 Yellow VFT	5% Chrysotile		95% Other	Gray Non-Fibrous Homogeneous
10033676_0017					Crushed
20230829-NC-06C	Bldg 2 NW side of back grey carpet towards storage area/9x9 Yellow VFT	5% Chrysotile		95% Other	Gray Non-Fibrous Homogeneous
10033676_0018					Crushed
20230829-NC-07A	Bldg 2 SE front green carpet area near entry tile walkway/Concealed Spline (C.S) 12x12 Ceiling Tile (CT)	None Detected	60% Cellulose 30% Fiber Glass	10% Other	Gray Fibrous Homogeneous
10033676_0019					Teased
20230829-NC-07B	Bldg 2 NE side after partition wall in front rm. #4/CS 12x12 CT (Textured)	None Detected	60% Cellulose 30% Fiber Glass	10% Other	Gray Fibrous Homogeneous
10033676_0020					Teased
20230829-NC-07C	Bldg 2 NW side near grey carpet/tile walkway towards storage area/CS 12x12 CT (Textured)	None Detected	95% Cellulose	5% Other	Brown Fibrous Homogeneous
10033676_0021					Teased
20230829-NC-08A	Bldg 2 SW side near grey carpet/blue cabinets/CS 12x12 CT	None Detected	95% Cellulose	5% Other	Brown Fibrous Homogeneous
10033676_0022					Teased
20230829-NC-08B	Bldg 2 SW side after blue cabinets on grey carpet/CS 12x12 CT	None Detected	95% Cellulose	5% Other	Brown Fibrous Homogeneous
10033676_0023					Teased
20230829-NC-08C	Bldg 2 NW tile walkway leading to W. side exit door/CS 12x12 CT	None Detected	95% Cellulose	5% Other	Brown Fibrous Homogeneous
10033676_0024					Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Lachlan Krenz (48)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
 EPA Method: 600/R-93/116 and  
 40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
 146 Hartford Road  
 Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033676

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/ 20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-NC-09A	Bldg 2 N facing wall outside rm. #2/White 1/2" Gypsum Drywall	None Detected		100% Other	Off-white Non-Fibrous Homogeneous
10033676_0025					Crushed
20230829-NC-09B	Bldg 2 E facing wall in rm. #3/White 1/2" Gypsum Drywall	None Detected		100% Other	Off-white Non-Fibrous Homogeneous
10033676_0026					Crushed
20230829-NC-09C	Bldg 2 S facing partition wall between rm. #3&4/White 1/2" Gypsum Drywall	None Detected		100% Other	Off-white Non-Fibrous Homogeneous
10033676_0027					Crushed
20230829-NC-10A	Bldg 2 SE green carpeted area right of entry/Black Vinyl 4" Cove Base (CB)	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033676_0028					Ashed
20230829-NC-10B	Bldg 2 E side wall outside room #3/Black Vinyl 4" CB	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033676_0029					Ashed
20230829-NC-10C	Bldg 2 N facing wall at rear of bldg next to storage rm./ Black Vinyl 4" CB	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033676_0030					Ashed
20230829-NC-11A	Bldg 2 SE green carpeted area right of entry/Yellow Mastic a/w Black Vinyl 4" CB	None Detected		100% Other	Tan, Yellow Non-Fibrous Homogeneous
10033676_0031					Ashed, Crushed
20230829-NC-11B	Bldg 2 E side wall outside room #3/Yellow Mastic a/w Black Vinyl 4" CB	None Detected		100% Other	Yellow, Tan Non-Fibrous Homogeneous
10033676_0032					Ashed, Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Lachlan Krenz (48)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
 EPA Method: 600/R-93/116 and  
 40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
 146 Hartford Road  
 Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033676

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/ 20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-NC-11C	Bldg 2 N facing wall at rear of bldg next to storage rm./ Yellow Mastic a/w Black Vinyl 4" CB	None Detected		100% Other	Yellow, Tan Non-Fibrous Homogeneous
10033676_0033					Ashed, Crushed
20230829-NC-12A	Bldg 2 SW wall grey carpet area before blue cabinets/Yellow Mastic Under Grey Carpet	None Detected		100% Other	Yellow, Orange Non-Fibrous Homogeneous
10033676_0034					Ashed
20230829-NC-12B	Bldg 2 SE side in front of rm. #2 adja. To tile walkway/Yellow Mastic Under Grey Carpet	None Detected		100% Quartz	Tan, Orange Non-Fibrous Homogeneous
10033676_0035					Ashed
20230829-NC-12C	Bldg 2 NW side after blue cabinet area near side exit door/Yellow Mastic Under Grey Carpet	None Detected		100% Other	Orange, Yellow Non-Fibrous Homogeneous
10033676_0036					Ashed
20230829-NC-13A	Bldg 2 SW crnr. of brown carpeted area left of entry/Yellow Mastic Under Brown Carpet	None Detected		100% Other	Tan, Orange Non-Fibrous Homogeneous
10033676_0037					Ashed
20230829-NC-13B	Bldg 2 W side near border of tile walkway(brown carpeted area)/Yellow Mastic Under Brown Carpet	None Detected		100% Other	Yellow, Tan Non-Fibrous Homogeneous
10033676_0038					Ashed
20230829-NC-13C	Bldg 2 E side of cntr. brown carpeted area facing rm. #2/Yellow Mastic Under Brown Carpet	None Detected		100% Other	Yellow, Tan Non-Fibrous Homogeneous
10033676_0039					Ashed
20230829-NC-14A	Bldg 2 SW far crnr. left of entry green carpeted area/Yellow Mastic Under Green Carpet	None Detected		100% Other	Tan, Yellow Non-Fibrous Homogeneous
10033676_0040					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Lachlan Krenz (48)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033676

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/ 20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-NC-14B	Bldg 2 SW close crnr. left of entry in green carpeted area/Yellow Mastic Under Green Carpet	None Detected		100% Other	Tan, Yellow Non-Fibrous Homogeneous
10033676_0041					Ashed
20230829-NC-14C	Bldg 2 SE crnr. on S. facing side of wall for rm. #1/Yellow Mastic Under Green Carpet	None Detected		100% Other	Yellow, Tan Non-Fibrous Homogeneous
10033676_0042					Ashed
20230829-NC-15A	Bldg 2 SW grey carpeted area before blue cabinets/Black Tape over 9x9 Yellow Tile	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033676_0043					Ashed
20230829-NC-15B	Bldg 2 SW grey carpeted area in front of blue cabinets/Black Tape over 9 x 9 Yellow Tile	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033676_0044					Ashed
20230829-NC-15C	Bldg 2 NW grey carpeted area after blue cabinets/Black Tape over 9 x 9 Yellow Tile	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033676_0045					Ashed
20230829-NC-16A	Bldg 2 SW windowsill left of entry/Front Windowsill Tar Paper, Black	None Detected	90% Cellulose	10% Other	Black, Brown Fibrous Homogeneous
10033676_0046					Dissolved, Teased
20230829-NC-16B	Bldg 2 SE crnr. Windowsill right of entry/Front Windowsill Tar Paper, Black	None Detected	90% Cellulose	10% Other	Brown, Black Fibrous Homogeneous
10033676_0047					Dissolved, Teased
20230829-NC-16C	Bldg 2 crnr. Near W. facing wall on windowsill/Front Windowsill Tar Paper, Black	None Detected	90% Cellulose	10% Other	Black, Brown Fibrous Homogeneous
10033676_0048					Dissolved, Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Lachlan Krenz (48)

Analyst

Approved Signatory

**Client:** Fuss & O'Neill, Inc.  
**Contact:** [Enter your name here]  
**Address:** 146 Hartford Road, Manchester, CT 06040  
**Phone:** (860) 646-2469  
**Fax:** [Enter fax here]  
**Email:** LabResults@fando.com  
**Project:** Silver Lane Plaza/20230389.A10  
 (Building #2)  
**Client Notes:** (Pos. stop for mastics & adhesives  
 Analyze first sample of mastic or adhesive, if positive, DO NOT analyze assoc. floor tile)  
**P.O. #:** [Enter P.O. # Here]  
**Date Submitted:** [Enter Date Submitted Here]  
**Analysis:** PLM EPA 600/R-93/116 (PLM) Pos.  
**Turnaround Time:** 7 Days

**\*Instructions:**  
 Use Column "B" for your contact info  
 To See an Example Click the bottom Example Tab.  
 Enter samples between "<<" and ">>"  
 Begin Samples with a "<<" above the first sample and end with a ">>" below the last sample.  
 Only Enter your data on the first sheet "Sheet1"  
 Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.

10633674

Sample Number	Data 1	Sample Description
0230829-NC-01A		Bldg 2 SW crnr.of carpet area left of entry/12x12 White Vinyl Floor Tile (V.F.T)
0230829-NC-01B		Bldg 2 NW tile walkway next to corner pillar/12x12 White V.F.T.
0230829-NC-01C		Bldg 2 NE crnr.tile walkway near partition wall/ 12x12 White V.F.T.
0230829-NC-02A		Bldg 2 SW crnr.of carpet area left of entry/ 9x9 Blue V.F.T.
0230829-NC-02B		Bldg 2 SE tile walkway towards office #1/ 9x9 Blue V.F.T.
0230829-NC-02C		Bldg 2 NE tile walkway near partition wall/ 9x9 Blue V.F.T.
0230829-NC-03A		Bldg 2 SW crnr.of carpet area left of entry/Yellow Mastic Assoc. w/ 12x12 White V.F.T.
0230829-NC-03B		Bldg 2 NW tile walkway next to corner pillar/Yellow Mastic Assoc. w/ 12x12 White V.F.T.
0230829-NC-03C		Bldg 2 NE crnr.tile walkway near partition wall/Yellow Mastic Assoc. with 12x12 White V.F.T
0230829-NC-04A		Bldg 2 SW crnr.of carpet area left of entry/Black Mastic Assoc. w/ 9x9 Blue V.F.T.
0230829-NC-04B		Bldg 2 SE tile walkway towards office #1/Black Mastic Assoc. w/ 9x9 Blue V.F.T.
0230829-NC-04C		Bldg 2 NE tile walkway near partition wall/Black Mastic Assoc. w/ 9x9 Blue V.F.T.
0230829-NC-05A		Bldg 2 NE side in front partition wall/9x9 Grey V.F.T.
0230829-NC-05B		Bldg 2 SW crnr.of carpet area left of entry/9x9 Grey V.F.T.
0230829-NC-05C		Bldg 2 NW crnr.of tile walkway towards storage rm./9x9 Grey V.F.T.
0230829-NC-06A		Bldg 2 SW side of grey (carpet/tile) walkway border/9x9 Yellow V.F.T.
0230829-NC-06B		Bldg 2 NW side of grey (carpet/tile) walkway border/9x9 Yellow V.F.T.
0230829-NC-06C		Bldg 2 NW side of back grey carpet towards storage area/9x9 Yellow V.F.T.
0230829-NC-07A		Bldg 2 SE front green carpet area near entry tile walkway/Concealed Spline (C.S) 12x12 Ceiling Tile (C.T.) (Textured)
0230829-NC-07B		Bldg 2 NE side after partition wall in front rm. #4/C.S. 12x12 C.T. (Textured)
0230829-NC-07C		Bldg 2 NW side near grey carpet/tile walkway towards storage area/C.S. 12x12 C.T. (Textured)
0230829-NC-08A		Bldg 2 SW side near grey carpet/blue cabinets/C.S. 12x12 C.T.
0230829-NC-08B		Bldg 2 SW side after blue cabinets on grey carpet/C.S. 12x12 C.T.
0230829-NC-08C		Bldg 2 NW tile walkway leading to W. side exit door/C.S. 12x12 C.T.
0230829-NC-09A		Bldg 2 N facing wall outside rm. #2/White ½" Gypsum Drywall
0230829-NC-09B		Bldg 2 E facing wall in rm. #3/White ½" Gypsum Drywall
0230829-NC-09C		Bldg 2 S facing partition wall between rm. #3&4/White ½" Gypsum Drywall

Accepted

230829-NC-12B	Bldg 2 SE side in front of rm. #2 adja. To tile walkway/Yellow Mastic Under Grey Carpet
230829-NC-12C	Bldg 2 NW side after blue cabinet area near side exit door/Yellow Mastic Under Grey Carpet
230829-NC-13A	Bldg 2 SW crnr. of brown carpeted area left of entry/Yellow Mastic Under Brown Carpet
230829-NC-13B	Bldg 2 W side near border of tile walkway(brown carpeted area)/Yellow Mastic Under Brown Carpet
230829-NC-13C	Bldg 2 E side of cntr. brown carpeted area facing rm. #2/Yellow Mastic Under Brown Carpet
230829-NC-14A	Bldg 2 SW far crnr. left of entry green carpeted area/Yellow Mastic Under Green Carpet
230829-NC-14B	Bldg 2 SW close crnr. left of entry in green carpeted area/Yellow Mastic Under Green Carpet
230829-NC-14C	Bldg 2 SE crnr. on S. facing side of wall for rm. #1/Yellow Mastic Under Green Carpet
230829-NC-15A	Bldg 2 SW grey carpeted area before blue cabinets/Black Tape over 9x9 Yellow Tile
230829-NC-15B	Bldg 2 SW grey carpeted area in front of blue cabinets/Black Tape over 9 x 9 Yellow Tile
230829-NC-15C	Bldg 2 NW grey carpeted area after blue cabinets/Black Tape over 9 x 9 Yellow Tile
230829-NC-16A	Bldg 2 SW windowsill left of entry/Front Windowsill Tar Paper, Black
230829-NC-16B	Bldg 2 SE crnr. Windowsill right of entry/Front Windowsill Tar Paper, Black
230829-NC-16C	Bldg 2 Crnr. Near W. facing wall on windowsill/Front Windowsill Tar Paper, Black





# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033680

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #3)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-NC-01A	Bldg 3 SW crnr. of tile walkway left of entry/12"x12" Tan Ceramic Floor Tile (FT)(on concrete)	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033680_0001					Dissolved, Crushed
20230830-NC-01B	Bldg 3 SE crnr. Of store front tile walkway towards back storage area/12"x12" Tan Ceramic FT(on concrete)	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033680_0002					Crushed, Dissolved
20230830-NC-01C	Bldg 3 NE back crnr. at end of tile walkway/12"x12" Tan Ceramic FT(on concrete)	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033680_0003					Crushed, Dissolved
20230830-NC-02A	Bldg 3 SW crnr. of tile walkway left of entry/12"x12" Grey Ceramic Floor Tile (FT)(on concrete)	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033680_0004					Crushed, Dissolved
20230830-NC-02B	Bldg 3 SE crnr. of store front tile walkway towards back storage area/12"x12" Grey Ceramic FT(on concrete)	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033680_0005					Dissolved, Crushed
20230830-NC-02C	Bldg 3 NE back crnr. before end of tile walkway/12"x12" Grey Ceramic FT(on concrete)	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033680_0006					Crushed, Dissolved
20230830-NC-03A	Bldg 3 W side middle store under blue carpet/12"x12" Beige FT(on concrete)	Not Analyzed			
10033680_0007					
20230830-NC-03B	Bldg 3 NW crnr. before concrete area under grey carpet/12"x12" Beige FT(on concrete)	Not Analyzed			
10033680_0008					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Lachlan Krenz (54)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033680

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #3)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-NC-03C	Bldg 3 NW crnr. tile&concrete border towards left back rm./12"x12" Beige FT(on concrete)	Not Analyzed			
10033680_0009					
20230830-NC-04A	Bldg 3 W side middle store under blue carpet/Black Mastic a/w Beige 12"x12" FT	3% Chrysotile		97% Other	Black Non-Fibrous Homogeneous
10033680_0010					Dissolved
20230830-NC-04B	Bldg 3 NW crnr. before concrete area under grey carpet/Black Mastic a/w Beige 12"x12" FT	Not Analyzed			
10033680_0011					
20230830-NC-04C	Bldg 3 NW crnr. tile&concrete border towards left back rm./Black Mastic a/w Beige 12"x12" FT	Not Analyzed			
10033680_0012					
20230830-NC-05A	Bldg 3 Cntr. of main shop floor, border of 12"x12" ceramic FT&blue carpet/9"x9" Grey Vinyl Floop	Not Analyzed			
10033680_0013					
20230830-NC-05B	Bldg 3 SW crnr. of blue carpet&12"x12" ceramic FT border/9"x9" Grey VFT	Not Analyzed			
10033680_0014					
20230830-NC-05C	Bldg 3 SE crnr. of blue carpet area left of entry/9"x9" Grey VFT	Not Analyzed			
10033680_0015					
20230830-NC-06A	Bldg 3 Cntr. of main shop floor, border of 12"x12" ceramic FT&blue carpet/Black Mastic a/w 9"x9	8% Chrysotile		92% Other	Black Non-Fibrous Homogeneous
10033680_0016					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Lachlan Krenz (54)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033680

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #3)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-NC-06B	Bldg 3 SW crnr. of blue carpet&12"x12" ceramic FT border/Black Mastic a/w 9"x9" Grey VFT	Not Analyzed			
10033680_0017					
20230830-NC-06C	Bldg 3 SE crnr. of blue carpet area left of entry/Black Mastic a/w 9"x9" Grey VFT	Not Analyzed			
10033680_0018					
20230830-NC-07A	Bldg 3 SE crnr. of store under blue carpet area right of entry/12"x12" Speckled F.T	None Detected		100% Other	Beige Non-Fibrous Homogeneous
10033680_0019					Crushed
20230830-NC-07B	Bldg 3 SE crnr. of store front under blue carpet area closer to E. wall/12"x12" Speckled FT	None Detected		100% Other	Beige Non-Fibrous Homogeneous
10033680_0020					Crushed
20230830-NC-07C	Bldg 3 Mid. of blue carpet area right of entry/ 12"x12" Speckled FT	None Detected		100% Other	Beige Non-Fibrous Homogeneous
10033680_0021					Crushed
20230830-NC-08A	Bldg 3 SE crnr. of store front under blue carpet area right of entry/Yellow Mastic a/w 12"x12" Speckled FT	None Detected		100% Other	Yellow, Brown Non-Fibrous Homogeneous
10033680_0022					Ashed
20230830-NC-08B	Bldg 3 SE crnr. of store front under blue carpet area closer to E. wall/Yellow Mastic a/w 12"x12" Speckled FT	None Detected		100% Other	Yellow, Brown Non-Fibrous Homogeneous
10033680_0023					Ashed
20230830-NC-08C	Bldg 3 Mid. of blue carpet area right of entry/Yellow Mastic a/w 12"x12" Speckled FT	None Detected		100% Other	Yellow, Brown Non-Fibrous Homogeneous
10033680_0024					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Lachlan Krenz (54)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033680

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #3)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-NC-09A	Bldg 3 W facing wall in bathrm.#1 (closest to storage area)/4"x4" Tan Ceramic Wall Tile(W.T)	None Detected		100% Other	Beige Non-Fibrous Homogeneous
10033680_0025					Crushed, Dissolved
20230830-NC-09B	Bldg 3 S facing wall in bathrm.#2/4"x4" Tan Ceramic W.T.	None Detected		100% Other	Beige Non-Fibrous Homogeneous
10033680_0026					Dissolved, Crushed
20230830-NC-09C	Bldg 3 E facing wall in bathrm.#1/4"x4" Tan Ceramic W.T.	None Detected		100% Other	Beige Non-Fibrous Homogeneous
10033680_0027					Dissolved, Crushed
20230830-NC-10A	Bldg 3 Right crnr. after doorway of bathrm.#1/1"x1" Beige Ceramic FT	None Detected		100% Other	Beige Non-Fibrous Homogeneous
10033680_0028					Dissolved, Crushed
20230830-NC-10B	Bldg 3 Back right crnr. of bathrm.#2/1"x1" Beige Ceramic FT	None Detected		100% Other	Beige Non-Fibrous Homogeneous
10033680_0029					Dissolved, Crushed
20230830-NC-10C	Bldg 3 Left of doorway entry in bathrm.#1/1"x1" Beige Ceramic FT	None Detected		100% Other	Beige Non-Fibrous Homogeneous
10033680_0030					Dissolved, Crushed
20230830-NC-11A	Bldg 3 Above tan ceramic tile walkway towards back storage rm./Concealed Spline (C.P.) 2'x4' White Textured C	None Detected	60% Cellulose 30% Fiber Glass	10% Other	Gray Fibrous Homogeneous
10033680_0031					Teased
20230830-NC-11B	Bldg 3 Above W blue carpet area left of entry/C.P. 2'x4' White Textured C.T.	None Detected	60% Cellulose 30% Fiber Glass	10% Other	Gray Fibrous Homogeneous
10033680_0032					Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Lachlan Krenz (54)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033680

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #3)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-NC-11C	Bldg 3 NE rear crnr. in front of upstairs back office/C.P 2'x4' White Textured C.T.	None Detected	60% Cellulose 30% Fiber Glass	10% Other	Gray Fibrous Homogeneous
10033680_0033					Teased
20230830-NC-12A	Bldg 3 NE rear floor area directly front of storage entry/White 4" Vinyl Cove Base (CB)	None Detected		100% Other	Cream Non-Fibrous Homogeneous
10033680_0034					Ashed
20230830-NC-12B	Bldg 3 Below glass display case on E. wall front of upstairs office/White 4" Vinyl CB	None Detected		100% Other	Cream Non-Fibrous Homogeneous
10033680_0035					Ashed
20230830-NC-12C	Bldg 3 Right of storage area entry/White 4" Vinyl CB	None Detected		100% Other	Cream Non-Fibrous Homogeneous
10033680_0036					Ashed
20230830-NC-13A	Bldg 3 E wall of store adjacent to blue carpet area/ Blue 4" Vinyl CB	None Detected		100% Other	Blue Non-Fibrous Homogeneous
10033680_0037					Ashed
20230830-NC-13B	Bldg 3 Bottom of W. wall in front of upstairs office area/Blue 4" Vinyl CB	None Detected		100% Other	Blue Non-Fibrous Homogeneous
10033680_0038					Ashed
20230830-NC-13C	Bldg 3 W wall of store leading to NW crnr. ground floor office/Blue 4" Vinyl CB	None Detected		100% Other	Blue Non-Fibrous Homogeneous
10033680_0039					Ashed
20230830-NC-14A	Bldg 3 W wall in front upsatirs office area/Black 4" Vinyl CB	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033680_0040					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Lachlan Krenz (54)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033680

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #3)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
2023-830-NC-14B	Bldg 3 Rear of front office upstairs office at bottom of stairwell wall/Black 4" vinyl CB	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033680_0041					Ashed
20230830-NC-14C	Bldg 3 Left of entry into back storage area/Black 4" Vinyl CB	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033680_0042					Ashed
20230830-NC-15A	Bldg 3 NE far rear crnr. after bathrm.#1/Yellow Mastic a/w Various Color 4" Vinyl CB	None Detected		100% Other	Yellow, Beige Non-Fibrous Homogeneous
10033680_0043					Ashed
20230830-NC-15B	Bldg 3 W wall of store leading to NW crnr.ground floor rear office/Yellow Mastic a/w Various Color 4"	None Detected		100% Other	Yellow, Beige Non-Fibrous Homogeneous
10033680_0044					Ashed
20230830-NC-15C	Bldg 3 Rear of NW store area under blue vinyl wall/Yellow Mastic a/w Various Color 4" Vinyl CB	None Detected		100% Other	Yellow, Beige Non-Fibrous Homogeneous
10033680_0045					Ashed
20230830-NC-16A	Bldg 3 E wall of store right of entry/1/2" White Gypsum Drywall	None Detected		100% Other	Off-white Non-Fibrous Homogeneous
10033680_0046					Crushed
20230830-NC-16B	Bldg 3 W wall of store towards ground floor office area/1/2" White Gypsum Drywall	None Detected		100% Other	Off-white Non-Fibrous Homogeneous
10033680_0047					Crushed
20230830-NC-16C	Bldg 3 S facing wall apart of front upstairs office/1/2" White Gypsum Drywall	None Detected		100% Other	Off-white Non-Fibrous Homogeneous
10033680_0048					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Lachlan Krenz (54)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033680

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #3)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-NC-17A	Bldg 3 SE crnr. blue carpet&ceramic tile walkway border/Yellow Mastic a/w Blue Carpet	None Detected		100% Other	Orange Non-Fibrous Homogeneous
10033680_0049					Ashed, Crushed
20230830-NC-17B	Bldg 3 E side of store cntr. of blue carpet area/Yellow Mastic a/w Blue Carpet	None Detected		100% Other	Orange Non-Fibrous Homogeneous
10033680_0050					Crushed, Ashed
20230830-NC-17C	Bldg 3 NE crnr. of blue carpet area near carpet&ceramic tile border/Yellow Mastic a/w Blue Carpet	None Detected		100% Other	Orange Non-Fibrous Homogeneous
10033680_0051					Ashed, Crushed
20230830-NC-18A	Bldg 3 Rear wall of store on E. side of NW ground floor office area/Blue Vinyl Wall Covering	None Detected		100% Other	Blue Non-Fibrous Homogeneous
10033680_0052					Ashed
20230830-NC-19A	Bldg 3 Rear wall of store on E side of NW ground floor office area/Yellow Adhesive a/w Blue Vinyl Wall Coverin	None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10033680_0053					Ashed
20230830-NC-20A	Bldg 3 Immediately above store entry/Black HVAC Unit Mesh Cover	None Detected	35% Synthetic Fibers	65% Other	Black, Transparent Non-Fibrous Homogeneous
10033680_0054					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Lachlan Krenz (54)

Analyst

Approved Signatory

:  
 s:  
 :  
 :  
 utes:  
 bmitted:  
 s:  
 oundTime:

Fuss & O'Neill, Inc.  
 [Enter your name here]  
 146 Hartford Road, Manchester, CT 06040  
 (860) 646-2469  
 [Enter fax here]  
 LabResults@fando.com  
  
 Silver Lane Plaza/20230389.A10  
 (Building #3)  
 (Pos. stop for mastics & adhesives  
 Analyze first sample of mastic or adhesive, if positive, DO NOT analyze assoc. floor tile)  
 [Enter P.O. # Here]  
 [Enter Date Submitted Here]  
  
 PLM EPA 600/R-93/116 (PLM) Pos.  
 7 Days

**\*Instructions:**  
 Use Column "B" for your contact info  
  
 To See an Example Click the  
 bottom Example Tab.

10633680

Enter samples between "<<" and ">>"  
 Begin Samples with a "<<" above the first sample  
 and end with a ">>" below the last sample.  
 Only Enter your data on the first sheet "Sheet1"  
  
 Note: Data 1 and Data 2 are optional  
 fields that do not show up on the official  
 report, however they will be included  
 in the electronic data returned to you  
 to facilitate your reintegration of the report data.

Number	Data 1	Sample Description
0-NC-01A		Bldg 3 SW crnr. of tile walkway left of entry/12"x12" Tan Ceramic Floor Tile (F.T.)(on concrete)
0-NC-01B		Bldg 3 SE crnr. Of store front tile walkway towards back storage area/12"x12" Tan Ceramic F.T.(on concrete)
0-NC-01C		Bldg 3 NE back crnr. at end of tile walkway/12"x12" Tan Ceramic F.T.(on concrete)
0-NC-02A		Bldg 3 SW crnr. of tile walkway left of entry/12"x12" Grey Ceramic Floor Tile (F.T.)(on concrete)
0-NC-02B		Bldg 3 SE crnr. of store front tile walkway towards back storage area/12"x12" Grey Ceramic F.T.(on concrete)
0-NC-02C		Bldg 3 NE back crnr. before end of tile walkway/12"x12" Grey Ceramic F.T.(on concrete)
0-NC-03A		Bldg 3 W side middle store under blue carpet/12"x12" Beige F.T.(on concrete)
0-NC-03B		Bldg 3 NW crnr. before concrete area under grey carpet/12"x12" Beige F.T.(on concrete)
0-NC-03C		Bldg 3 NW crnr. tile&concrete border towards left back rm./12"x12" Beige F.T.(on concrete)
0-NC-04A		Bldg 3 W side middle store under blue carpet/Black Mastic Assoc. w/ Beige 12"x12" F.T.
0-NC-04B		Bldg 3 NW crnr. before concrete area under grey carpet/Black Mastic Assoc. w/ Beige 12"x12" F.T.
0-NC-04C		Bldg 3 NW crnr. tile&concrete border towards left back rm./Black Mastic Assoc. w/ Beige 12"x12" F.T.
0-NC-05A		Bldg 3 Cntr. of main shop floor, border of 12"x12" ceramic F.T.&blue carpet/9"x9" Grey Vinyl Floor Tile(V.F.T.)
0-NC-05B		Bldg 3 SW crnr. of blue carpet&12"x12" ceramic F.T. border/9"x9" Grey V.F.T.
0-NC-05C		Bldg 3 SE crnr. of blue carpet area left of entry/9"x9" Grey V.F.T.
0-NC-06A		Bldg 3 Cntr. of main shop floor, border of 12"x12" ceramic F.T.&blue carpet/Black Mastic Assoc. w/9"x9" Grey V.F.T.
0-NC-06B		Bldg 3 SW crnr. of blue carpet&12"x12" ceramic F.T. border/Black Mastic Assoc. w/9"x9" Grey V.F.T.
0-NC-06C		Bldg 3 SE crnr. of blue carpet area left of entry/Black Mastic Assoc. w/9"x9" Grey V.F.T.
0-NC-07A		Bldg 3 SE crnr. of store under blue carpet area right of entry/12"x12" Speckled F.T
0-NC-07B		Bldg 3 SE crnr. of store front under blue carpet area closer to E. wall/12"x12" Speckled F.T.
0-NC-07C		Bldg 3 Mid. of blue carpet area right of entry/ 12"x12" Speckled F.T.
0-NC-08A		Bldg 3 SE crnr. of store front under blue carpet area right of entry/Yellow Mastic Assoc. w/12"x12" Speckled F.T.
0-NC-08B		Bldg 3 SE crnr. of store front under blue carpet area closer to E. wall/Yellow Mastic Assoc. w/12"x12" Speckled F.T.
0-NC-08C		Bldg 3 Mid. of blue carpet area right of entry/Yellow Mastic Assoc. w/12"x12" Speckled F.T.

Acc  
 Rel



16033680

- 30-NC-11C Bldg 3 NE rear crnr. in front of upstairs back office/C.P 2'x4' White Textured C.T.
- 30-NC-12A Bldg 3 NE rear floor area directly front of storage entry/White 4" Vinyl Cove Base (C.B.)
- 30-NC-12B Bldg 3 Below glass display case on E. wall front of upstairs office/White 4" Vinyl C.B.
- 30-NC-12C Bldg 3 Right of storage area entry/White 4" Vinyl C.B.
- 30-NC-13A Bldg 3 E wall of store adjacent to blue carpet area/ Blue 4" Vinyl C.B.
- 30-NC-13B Bldg 3 Bottom of W. wall in front of upstairs office area/Blue 4" Vinyl C.B.
- 30-NC-13C Bldg 3 W wall of store leading to NW crnr. ground floor office/Blue 4" Vinyl C.B.
- 30-NC-14A Bldg 3 W wall in front upstairs office area/Black 4" Vinyl C.B.
- 30-NC-14B Bldg 3 Rear of front office upstairs office at bottom of stairwell wall/Black 4" vinyl C.B.
- 30-NC-14C Bldg 3 Left of entry into back storage area/Black 4" Vinyl C.B.
- 30-NC-15A Bldg 3 NE far rear crnr. after bathrm.#1/Yellow Mastic Assoc. w/Various Color 4" Vinyl C.B.
- 30-NC-15B Bldg 3 W wall of store leading to NW crnr.ground floor rear office/Yellow Mastic Assoc. w/Various Color 4" Vinyl C.B.
- 30-NC-15C Bldg 3 Rear of NW store area under blue vinyl wall/Yellow Mastic Assoc. w/Various Color 4" Vinyl C.B.
- 30-NC-16A Bldg 3 E wall of store right of entry/1/2" White Gypsum Drywall
- 30-NC-16B Bldg 3 W wall of store towards ground floor office area/1/2" White Gypsum Drywall
- 30-NC-16C Bldg 3 S facing wall apart of front upstairs office/1/2" White Gypsum Drywall
- 30-NC-17A Bldg 3 SE crnr. blue carpet&ceramic tile walkway border/Yellow Mastic Assoc. w/Blue Carpet
- 30-NC-17B Bldg 3 E side of store cntr. of blue carpet area/Yellow Mastic Assoc. w/Blue Carpet
- 30-NC-17C Bldg 3 NE crnr. of blue carpet area near carpet&ceramic tile border/Yellow Mastic Assoc. w/Blue Carpet
- 30-NC-18A Bldg 3 Rear wall of store on E. side of NW ground floor office area/Blue Vinyl Wall Covering
- 30-NC-19A Bldg 3 Rear wall of store on E side of NW ground floor office area/Yellow Adhesive Assoc. w/Blue Vinyl Wall Covering
- 30-NC-20A Bldg 3 Immediately above store entry/Black HVAC Unit Mesh Cover



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-CC-01A	B5W1 NW Store Rm S Wall/Grey- 1/2" Gypsum Dry Wall (GDW)	None Detected	10% Cellulose 2% Fiber Glass	88% Other	White Fibrous Homogeneous
10033679_0001					Crushed
20230830-CC-01B	B5W1 Main Room S Wall/Grey- 1/2" GDW	None Detected	10% Cellulose 2% Fiber Glass	88% Other	White Fibrous Homogeneous
10033679_0002					Crushed
20230830-CC-01C	B5W1 Main Room S Wall/Grey- 1/2" GDW	None Detected	10% Cellulose 2% Fiber Glass	88% Other	White Fibrous Homogeneous
10033679_0003					Crushed
20230830-CC-01D	B5W1 Ent Hall S Wall/Grey- 1/2" GDW	None Detected	10% Cellulose 2% Fiber Glass	88% Other	White Fibrous Homogeneous
10033679_0004					Crushed
20230830-CC-01E	B5W1 Main Room E Wall/Grey- 1/2" GDW	None Detected	10% Cellulose 2% Fiber Glass	88% Other	White Fibrous Homogeneous
10033679_0005					Crushed
20230830-CC-01F	B5W1 NE Hallway/Grey- 1/2" GDW	None Detected	10% Cellulose 2% Fiber Glass	88% Other	White Fibrous Homogeneous
10033679_0006					Crushed
20230830-CC-01G	B5W1 Back Off S Wall/Grey- 1/2" GDW	None Detected	10% Cellulose 2% Fiber Glass	88% Other	White Fibrous Homogeneous
10033679_0007					Crushed
20230830-CC-02A	B5W1 Main Room/White 2'x4' SCT-Pin&Worm	None Detected	50% Cellulose 25% Mineral Wool	25% Other	White Fibrous Homogeneous
10033679_0008					Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-CC-02B	B5W1 Main Room/White 2'x4' SCT-Pin&Worm	None Detected	50% Cellulose 25% Mineral Wool	25% Other	White Fibrous Homogeneous
10033679_0009					Teased
20230830-CC-03A	B5W1 Pharm/White 2'x4' SCT-Pin&Worm	None Detected	35% Cellulose 35% Mineral Wool	30% Other	White Fibrous Homogeneous
10033679_0010					Teased
20230830-CC-03B	B5W1 Pharm/White 2'x4' SCT-Pin&Worm	None Detected	35% Cellulose 35% Mineral Wool	30% Other	White Fibrous Homogeneous
10033679_0011					Teased
20230830-CC-04A - A	B5W1 Ent Hall N Wall/T&JC a/w 1/2" GDW	None Detected	95% Cellulose	5% Other	Beige Fibrous Homogeneous
10033679_0012	tape				Teased
20230830-CC-04A - B	B5W1 Ent Hall N Wall/T&JC a/w 1/2" GDW	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0123	joint compound				Crushed
20230830-CC-04B - A	B5W1 NE Hall E Wall/T&JC a/w 1/2" GDW	None Detected	95% Cellulose	5% Other	Beige Fibrous Homogeneous
10033679_0013	tape				Teased
20230830-CC-04B - B	B5W1 NE Hall E Wall/T&JC a/w 1/2" GDW	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0124	joint compound				Crushed
20230830-CC-04C - A	B5W1 Main Room S Wall/T&JC a/w 1/2" GDW	None Detected	95% Cellulose	5% Other	Beige Fibrous Homogeneous
10033679_0014	tape				Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-CC-04C - B	B5W1 Main Room S Wall/T&JC a/w 1/2" GDW	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0125	joint compound				Crushed
20230830-CC-04D - A	B5W1 Main Room E Wall/T&JC a/w 1/2" GDW	None Detected	95% Cellulose	5% Other	Beige Fibrous Homogeneous
10033679_0015	tape				Teased
20230830-CC-04D - B	B5W1 Main Room E Wall/T&JC a/w 1/2" GDW	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0126	joint compound				Crushed
20230830-CC-04E - A	B5W1 Staircase Wall/T&JC a/w 1/2" GDW	None Detected	95% Cellulose	5% Other	Beige Fibrous Homogeneous
10033679_0016	tape				Crushed
20230830-CC-04E - B	B5W1 Staircase Wall/T&JC a/w 1/2" GDW	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0127	joint compound				Crushed
20230830-CC-04F - A	B5W1 Back Off N Wall/T&JC a/w 1/2" GDW	None Detected	95% Cellulose	5% Other	Beige Fibrous Homogeneous
10033679_0017	tape				Teased
20230830-CC-04F - B	B5W1 Back Off N Wall/T&JC a/w 1/2" GDW	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0128	joint compound				Crushed
20230830-CC-04G - A	B5W1 NW Store Room/T&JC a/w 1/2" GDW	None Detected	95% Cellulose	5% Other	Beige Fibrous Homogeneous
10033679_0018	tape				Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-CC-04G - B	B5W1 NW Store Room/T&JC a/w 1/2" GDW	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0129	joint compound				Crushed
20230830-CC-05A	B5W1 NE Bldg Corner/ White 12x12" Vinyl Floor Tile (VFT)	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0019					Dissolved
20230830-CC-05B	B5W1 NE Bldg Corner/ White 12x12" VFT	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0020					Dissolved
20230830-CC-05C	B5W1 Staircase Hallway/ White 12x12" VFT	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0021					Dissolved
20230830-CC-06A	B5W1 NE Blge Corner/Black Mastic a/w White 12x12" VFT	None Detected	2% Cellulose	98% Other	Black Non-Fibrous Homogeneous
10033679_0022					Dissolved
20230830-CC-06B	B5W1 NE Bldg Corner/Black Mastic a/w White 12x12" VFT	None Detected	2% Cellulose	98% Other	Black Non-Fibrous Homogeneous
10033679_0023					Dissolved
20230830-CC-06C	B5W1 Staircase Wall/Black Mastic a/w White 12x12" VFT	None Detected	2% Cellulose	98% Other	Black Non-Fibrous Homogeneous
10033679_0024					Dissolved
20230830-CC-07A	B5W1 NE Hallway/ Brown 4" Vinyl Cove Base (VCB)	None Detected		100% Other	Brown Non-Fibrous Homogeneous
10033679_0025					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
 EPA Method: 600/R-93/116 and  
 40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
 146 Hartford Road  
 Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-CC-07B	B5W1 NE Hallway/Brown 4" VCB	None Detected		100% Other	Brown Non-Fibrous Homogeneous
10033679_0026					Dissolved
20230830-CC-07C	B5W1 NE Hallway/Brown 4" VCB	None Detected		100% Other	Brown Non-Fibrous Homogeneous
10033679_0027					Dissolved
20230830-CC-08A	B5W1 NE Hallway/ Tan Adhesive a/w Brown 4" VCB	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0028					Dissolved
20230830-CC-08B	B5W1 NE Hallway/ Tan Adhesive a/w Brown 4" VCB	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0029					Dissolved
20230830-CC-08C	B5W1 NE Hallway/ Tan Adhesive a/w Brown 4" VCB	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0030					Dissolved
20230830-CC-09A	B5W1 Storage Room N Wall/Lt Grey CMU	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0031					Crushed
20230830-CC-09B	B5W1 Storage Room N Wall/Lt Grey CMU	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0032					Crushed
20230830-CC-10A	B5W1 Back Entr Hall N Wall/Mortar a/m Lt Grey CMU	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0033					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-CC-10B	B5W1 Main Room W Wall/Mortar a/m Lt Grey CMU	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0034					Crushed
20230830-CC-11A	B5W1 Storage Room N Wall/Dk Grey CMU	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0035					Crushed
20230830-CC-11B	B5W1 Storage Room N Wall/Dk Grey CMU	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0036					Crushed
20230830-CC-12A	B5W1 Back Entr Hall N Wall/Mortar a/m Dk Grey CMU	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0037					Crushed
20230830-CC-12B	B5W1 Back Entr Hall N Wall/Mortar a/m Dk Grey CMU	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0038					Crushed
20230830-CC-13A	B5W1 Pharm/Tan Carpet Adhesive on Concrete Slab	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0039					Dissolved
20230830-CC-13B	B5W1 Pharm/Tan Carpet Adhesive on Concrete Slab	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0040					Dissolved
20230830-CC-14A	B5W1 Back Entr Hallway/White Paper Wrap Over Fiber Glass Insul	None Detected	30% Fiber Glass	70% Other	White Fibrous Homogeneous
10033679_0041					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-CC-14B	B5W1 Back Entr Hallway/White Paper Wrap Over Fiber Glass Insul	None Detected	30% Fiber Glass	70% Other	White Fibrous Homogeneous
10033679_0042					Ashed
20230830-CC-15A	B5W1 Main Room E Wall/White a/w Brown Wallpaper (WP) on 1/2" Drywall	None Detected		100% Other	White, Brown Non-Fibrous Homogeneous
10033679_0043					Dissolved
20230830-CC-15B	B5W1 Main Room E Wall/White a/w Brown Wallpaper (WP) on 1/2" Drywall	None Detected		100% Other	Brown, White Non-Fibrous Homogeneous
10033679_0044					Dissolved
20230830-CC-16A	B5W1 Main Room E Wall/ Brown Wallpaper (WP)	None Detected	50% Cellulose 20% Synthetic Fibers	30% Other	Brown Fibrous Homogeneous
10033679_0045					Dissolved, Ashed
20230830-CC-16B	B5W1 Main Room E Wall/ Brown WP	None Detected	50% Cellulose 20% Synthetic Fibers	30% Other	Brown Fibrous Homogeneous
10033679_0046					Ashed
20230830-CC-17A	B5W1 Main Room E Wall/Yellow Adhesive a/w Brown WP	None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10033679_0047					Dissolved
20230830-CC-17B	B5W1 Main Room E Wall/Yellow Adhesive a/w Brown WP	None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10033679_0048					Dissolved
20230830-CC-18A	B5W1 Main Room E Wall/ Brown WP	None Detected	50% Cellulose 20% Synthetic Fibers	30% Other	Brown Fibrous Homogeneous
10033679_0049					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory





# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-CC-18B	B5W1 Main Room E Wall/ Brown WP	None Detected	50% Cellulose 20% Synthetic Fibers	30% Other	Brown Fibrous Homogeneous
10033679_0050					Ashed
20230830-CC-19A	B5W1 Pharm/ White WP	None Detected	50% Cellulose 20% Synthetic Fibers	30% Other	White Fibrous Homogeneous
10033679_0051					Ashed
20230830-CC-19B	B5W1 Pharm/ White WP	None Detected	50% Cellulose 20% Synthetic Fibers	30% Other	White Fibrous Homogeneous
10033679_0052					Ashed
20230830-CC-19C	B5W1 Pharm/ White WP	None Detected	50% Cellulose 20% Synthetic Fibers	30% Other	White Fibrous Homogeneous
10033679_0053					Ashed
20230830-CC-20A	B5W1 Pharm/Tan Adhesive a/w White WP	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0054					Dissolved
20230830-CC-20B	B5W1 Pharm/Tan Adhesive a/w White WP	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0055					Dissolved
20230830-CC-20C	B5W1 Pharm/Tan Adhesive a/w White WP	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0056					Dissolved
20230830-CC-21A - A	B5W1 Pharm Countertop/Red Adhesive a/w Countertop	None Detected	60% Cellulose	40% Other	White Non-Fibrous Homogeneous
10033679_0057	countertop				Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-CC-21A - B	B5W1 Pharm Countertop/Red Adhesive a/w Countertop	None Detected		100% Other	Red Non-Fibrous Homogeneous
10033679_0130	adhesive				Dissolved
20230830-CC-21B - A	B5W1 Pharm Countertop/Red Adhesive a/w Countertop	None Detected	60% Cellulose	40% Other	White Fibrous Homogeneous
10033679_0058	countertop				Ashed
20230830-CC-21B - B	B5W1 Pharm Countertop/Red Adhesive a/w Countertop	None Detected		100% Other	Red Non-Fibrous Homogeneous
10033679_0131	adhesive				Dissolved
20230830-CC-22A	B5W1 Back Entr HW Fire Door Frame/Grey Sealant	2% Chrysotile		98% Other	Gray Non-Fibrous Homogeneous
10033679_0059					Crushed, Dissolved
20230830-CC-22B	B5W1 Back Entr HW Fire Door Frame/Grey Sealant	Not Analyzed			
10033679_0060					
20230830-CC-23A	B5W2 2nd FL/12x12" White Vinyl Floor Tile (VFT)	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0061					Dissolved
20230830-CC-23B	B5W2 2nd FL/12x12" White VFT	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0062					Dissolved
20230830-CC-24A	B5W2 2nd FL/Black Mastic a/w 12x12" White VFT	None Detected	2% Cellulose	98% Other	Black Non-Fibrous Homogeneous
10033679_0063					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-CC-24B	B5W2 2nd FL/Black Mastic a/w 12x12" White VFT	None Detected	2% Cellulose	98% Other	Black Non-Fibrous Homogeneous
10033679_0064					Dissolved
20230830-CC-25A	B5W2 2nd FL/Brown 4" Vinyl Cove Base	None Detected		100% Other	Brown Non-Fibrous Homogeneous
10033679_0065					Dissolved
20230830-CC-25B	B5W2 2nd FL/Brown 4" Vinyl Cove Base	None Detected		100% Other	Brown Non-Fibrous Homogeneous
10033679_0066					Dissolved
20230830-CC-26A	B5W2 2nd FL/Tan Adhesive a/w 4" Vinyl Cove Base	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0067					Dissolved
20230830-CC-26B	B5W2 2nd FL/Tan Adhesive a/w 4" Vinyl Cove Base	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0068					Dissolved
20230830-CC-27A	B5W2 Men's Bath/White 4" Ceramic Tile Cove Base	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0069					Crushed
20230830-CC-27B	B5W2 Women's Bath/White 4" Ceramic Tile Cove Base	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0070					Crushed
20230830-CC-28A	B5W2 Men's Bath/Gray Grout a/w White 4" Ceramic Tile Cove Base	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0071					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
 EPA Method: 600/R-93/116 and  
 40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
 146 Hartford Road  
 Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-CC-28B	B5W2 Women's Bath/Gray Grout a/w White 4" Ceramic Tile Cove Base	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0072					Crushed
20230830-CC-29A	B5W2 Men's Bath/Tan Thinset a/w White 4" Ceramic Tile Cove Base	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0073					Dissolved
20230830-CC-29B	B5W2 Women's Bath/Tan Thinset a/w White 4" Ceramic Tile Cove Base	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0074					Dissolved
20230830-CC-30A	B5W2 Men's Bath/Tan 2x2" Ceramic Floor Tile (CFT)	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0075					Crushed
20230830-CC-30B	B5W2 Women's Bath/Tan 2x2" CFT	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0076					Crushed
20230830-CC-31A	B5W2 Men's Bath/Gray Grout a/w Tan 2x2" CFT	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0077					Crushed
20230830-CC-31B	B5W2 Women's Bath/Grey Grout a/w Tan 2x2" CFT	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0078					Crushed
20230830-CC-32A	B5W2 Women's Bath/Grey Thinset a/w Tan 2x2" CFT	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0079					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-CC-32B	B5W2 Men's Bath/Grey Thinsset a/w Tan 2x2" CFT	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0080					Crushed
20230830-CC-33A	B5W2 Women's Bath/Joint Adhesive a/w Tan 2x2" CFT	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0081					Dissolved
20230830-CC-33B	B5W2 Men's Bath/ Joint Adhesive a/w Tan 2x2" CFT	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033679_0082					Dissolved
20230830-FR-34A	B5E Women's Bath/Grey 1/2" Gypsum Drywall	None Detected	10% Cellulose 2% Fiber Glass	88% Other	White Fibrous Homogeneous
10033679_0083					Crushed
20230830-FR-34B	B5E NW Corner Storage/Grey 1/2" Gypsum Drywall	None Detected	10% Cellulose 2% Fiber Glass	88% Other	White Fibrous Homogeneous
10033679_0084					Crushed
20230830-FR-34C	B5E Bathroom Hall/Grey 1/2" Gypsum Drywall	None Detected	10% Cellulose 2% Fiber Glass	88% Other	White Fibrous Homogeneous
10033679_0085					Crushed
20230830-FR-34D	B5E Men's Bath/Grey 1/2" Gypsum Drywall	None Detected	10% Cellulose 2% Fiber Glass	88% Other	White Fibrous Homogeneous
10033679_0086					Crushed
20230830-FR-34E	B5E Main Rm N Wall/Grey 1/2" Gypsum Drywall	None Detected	10% Cellulose 2% Fiber Glass	88% Other	White Fibrous Homogeneous
10033679_0087					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-FR-34F	B5E Main Rm E Wall/Grey 1/2" Gypsum Drywall	None Detected	10% Cellulose 2% Fiber Glass	88% Other	White Fibrous Homogeneous
10033679_0088					Crushed
20230830-FR-34G	B5E Main Rm W Wall/Grey 1/2" Gypsum Drywall	None Detected	10% Cellulose 2% Fiber Glass	88% Other	White Fibrous Homogeneous
10033679_0089					Crushed
20230830-FR-35A - A	B5E Main Rm W Wall/T&JC a/w Grey 1/2" Gypsum Drywall	None Detected	98% Cellulose	2% Other	Beige Fibrous Homogeneous
10033679_0090	tape				Teased
20230830-FR-35A - B	B5E Main Rm W Wall/T&JC a/w Grey 1/2" Gypsum Drywall	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0132	joint compound				Crushed
20230830-FR-35B - A	B5E NW Corner Storage/T&JC a/w Grey 1/2" Gypsum Drywall	None Detected	98% Cellulose	2% Other	Beige Fibrous Homogeneous
10033679_0091	tape				Teased
20230830-FR-35B - B	B5E NW Corner Storage/T&JC a/w Grey 1/2" Gypsum Drywall	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0133	joint compound				Crushed
20230830-FR-35C - A	B5E Main Rm N Wall/T&JC a/w Grey 1/2" Gypsum Drywall	None Detected	98% Cellulose	2% Other	Beige Fibrous Homogeneous
10033679_0092	tape				Teased
20230830-FR-35C - B	B5E Main Rm N Wall/T&JC a/w Grey 1/2" Gypsum Drywall	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0134	joint compound				Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-FR-35D - A	B5E Main Rm E Wall/T&JC a/w Grey 1/2" Gypsum Drywall	None Detected	98% Cellulose	2% Other	Beige Fibrous Homogeneous
10033679_0093	tape				Teased
20230830-FR-35D - B	B5E Main Rm E Wall/T&JC a/w Grey 1/2" Gypsum Drywall	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0135	joint compound				Crushed
20230830-FR-35E - A	B5E Bath Hallway/T&JC a/w Grey 1/2" Gypsum Drywall	None Detected	98% Cellulose	2% Other	Beige Fibrous Homogeneous
10033679_0094	tape				Teased
20230830-FR-35E - B	B5E Bath Hallway/T&JC a/w Grey 1/2" Gypsum Drywall	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0136	joint compound				Crushed
20230830-FR-35F - A	B5E Women's Bath/T&JC a/w Grey 1/2" Gypsum Drywall	None Detected	98% Cellulose	2% Other	Beige Fibrous Homogeneous
10033679_0095	tape				Teased
20230830-FR-35F - B	B5E Women's Bath/T&JC a/w Grey 1/2" Gypsum Drywall	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0137	joint compound				Crushed
20230830-FR-35G - A	B5E Men's Bath/T&JC a/w Grey 1/2" Gypsum Drywall	None Detected	98% Cellulose	2% Other	Beige Fibrous Homogeneous
10033679_0096	tape				Teased
20230830-FR-35G - B	B5E Men's Bath/T&JC a/w Grey 1/2" Gypsum Drywall	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0138	joint compound				Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-FR-36A	B5E Main Rm E/Dk Brown 12x12" Floor Tile on Concrete Slab	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033679_0097					Dissolved
20230830-FR-36B	B5E Main Rm W/Dk Brown 12x12" Floor Tile on Concrete Slab	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033679_0098					Dissolved
20230830-FR-37A	B5E Main Rm W/ Black Mastic a/w Dk Brown 12x12" Floor Tile	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033679_0099					Dissolved
20230830-FR-37B	B5E Main Rm E/ Black Mastic a/w Dk Brown 12x12" Floor Tile	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033679_0100					Dissolved
20230830-FR-38A	B5E N Storage Rm 8" Metal Drainpipe/Black Fiberglass Insulation Paper	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033679_0101					Dissolved
20230830-FR-38B	B5E N Storage Rm 8" Metal Drainpipe/Black Fiberglass Insulation Paper	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033679_0102					Dissolved
20230830-FR-39A	B5E N Storage Rm 8" Metal Drainpipe/White Mudded Fitting Insulation	15% Chrysotile	25% Mineral Wool	60% Other	White Fibrous Homogeneous
10033679_0103					Teased
20230830-FR-39B	B5E N Storage Rm 8" Metal Drainpipe/White Mudded Fitting Insulation	Not Analyzed			
10033679_0104					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory





# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-FR-40A	B5E Bathroom Hall/Black 4" Vinyl Cove Base	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033679_0105					Dissolved
20230830-FR-40B	B5E Women's Bath/Black 4" Vinyl Cove Base	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033679_0106					Dissolved
20230830-FR-41A	B5E Bathroom Hallway/ Yellow Adhesive a/w Black 4" Vinyl Cove Base	None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10033679_0107					Dissolved
20230830-FR-41B	B5E Women's Bath/ Yellow Adhesive a/w Black 4" Vinyl Cove Base	None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10033679_0108					Dissolved
20230830-FR-42A	B5E Woodshop SW Wall/ CMU	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0109					Dissolved
20230830-FR-42B	B5E Woodshop NE Wall/ CMU	None Detected		100% Other	White Non-Fibrous Homogeneous
10033679_0110					Dissolved
20230830-FR-43A	B5E Woodshop SW Wall/Lt Grey Mortar a/w CMU	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0111					Crushed
20230830-FR-43B	B5E Woodshop NE Wall/Lt Grey Mortar a/w CMU	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0112					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-FR-44A	B5E N Storage Rm Wall/Brick	None Detected		100% Other	Red Non-Fibrous Homogeneous
10033679_0113					Crushed
20230830-FR-44B	B5E N Storage Rm Wall/Brick	None Detected		100% Other	Red Non-Fibrous Homogeneous
10033679_0114					Crushed
20230830-FR-45A	B5E N Storage Rm Wall/Mortar a/w Brick	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0115					Crushed
20230830-FR-45B	B5E N Storage Rm Wall/Mortar a/w Brick	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033679_0116					Crushed
20230830-FR-46A	B5E N Storage Rm Fire Door Frame/Black Door Frame Caulk	3% Chrysotile		97% Other	Gray Non-Fibrous Homogeneous
10033679_0117					Dissolved
20230830-FR-46B	B5E N Storage Rm Fire Door Frame/Black Door Frame Caulk	Not Analyzed			
10033679_0118					
20230830-FR-47A	B5E NW Store Rm Fire Door Frame/Black Door Frame Caulk	3% Chrysotile		97% Other	Gray Non-Fibrous Homogeneous
10033679_0119					Dissolved
20230830-FR-47B	B5E NW Store Rm Fire Door Frame/Black Door Frame Caulk	Not Analyzed			
10033679_0120					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (138)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033679

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #5)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230830-FR-48A	B5E Men's Bath/White Pin Hole & Worm 2x4' Sus Cell Ceiling Tile	None Detected	35% Cellulose 35% Mineral Wool	30% Other	White Fibrous Homogeneous
10033679_0121					Teased
20230830-FR-48B	B5E Men's Bath/White Pin Hole & Worm 2x4' Sus Cell Ceiling Tile	None Detected	35% Cellulose 35% Mineral Wool	30% Other	White Fibrous Homogeneous
10033679_0122					Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.


Charmel Dozier (138)

Analyst

Approved Signatory

Building 5 East & West

10033679

<b>Client:</b>	Fuss & O'Neill, Inc.	<b>*Instructions:</b> Use Column "B" for your contact info  To See an Example Click the bottom Example Tab.  <b>Enter samples between "&lt;&lt;" and "&gt;&gt;"</b> <b>Begin Samples with a "&lt;&lt;" above the first sample and end with a "&gt;&gt;" below the last sample.</b>  Only Enter your data on the first sheet "Sheet1"   Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included  in the electronic data returned to you to facilitate your reintegration of the report data.	Scientific Analytical Institute   4604 Dundas Drive Greensboro, NC 27407 Phone: 336.292.3888  Fax: 336.292.3313 Email: lab@sailab.com
<b>Contact:</b>	Carlos Texidor		
<b>Address:</b>	146 Hartford Road, Manchester, CT 06040		
<b>Phone:</b>	(860) 646-2469		
<b>Fax:</b>	[Enter fax here]		
<b>Email:</b>	LabResults@fando.com		
<b>Project:</b>	Silver Lane Plaza/20230389.A10 (Building #2)		
<b>Client Notes:</b>	Pos. stop for mastics & adhesives Analyze first sample of mastic or adhesive, if positive, DO NOT analyze assoc. floor tile		
<b>P.O. #.</b>	20230389.A10		
<b>Date Submitted:</b>	PLM EPA 600/R-93/116 (PLM) Pos.		
<b>Analysis:</b>	Stop		
<b>TurnAroundTime:</b>	7 Days		

Sample Number	Data 1	Sample Description	Data 2
<<			
20230830-CC-01A		B5W1 NW Store Rm S Wall/Grey- 1/2" Gypsum Dry Wall (GDW)	
20230830-CC-01B		B5W1 Main Room S Wall/Grey- 1/2" GDW	
20230830-CC-01C		B5W1 Main Room S Wall/Grey- 1/2" GDW	
20230830-CC-01D		B5W1 Ent Hall S Wall/Grey- 1/2" GDW	
20230830-CC-01E		B5W1 Main Room E Wall/Grey- 1/2" GDW	
20230830-CC-01F		B5W1 NE Hallway/Grey- 1/2" GDW	
20230830-CC-01G		B5W1 Back Off S Wall/Grey- 1/2" GDW	<input type="checkbox"/> Rejected
20230830-CC-02A		B5W1 Main Room/White 2'x4' SCT-Pin&Worm	
20230830-CC-02B		B5W1 Main Room/White 2'x4' SCT-Pin&Worm	
20230830-CC-03A		B5W1 Pharm/White 2'x4' SCT-Pin&Worm	<input checked="" type="checkbox"/> Accepted
20230830-CC-03B		B5W1 Pharm/White 2'x4' SCT-Pin&Worm	
20230830-CC-04A		B5W1 Ent Hall N Wall/T&JC a/w 1/2" GDW	
20230830-CC-04B		B5W1 NE Hall E Wall/T&JC a/w 1/2" GDW	

Relinquished By

Received By

CS 9/28 8:30AM

10033679

20230830-CC-04C		B5W1 Main Room S Wall/T&JC a/w 1/2" GDW	
20230830-CC-04D		B5W1 Main Room E Wall/T&JC a/w 1/2" GDW	
20230830-CC-04E		B5W1 Staircase Wall/T&JC a/w 1/2" GDW	
20230830-CC-04F		B5W1 Back Off N Wall/T&JC a/w 1/2" GDW	
20230830-CC-04G		B5W1 NW Store Room/T&JC a/w 1/2" GDW	
20230830-CC-05A		B5W1 NE Bldg Corner/ White 12x12" Vinyl Floor Tile (VFT)	
20230830-CC-05B		B5W1 NE Bldg Corner/ White 12x12" VFT	
20230830-CC-05C		B5W1 Staircase Hallway/ White 12x12" VFT	
20230830-CC-06A		B5W1 NE Blge Corner/Black Mastic a/w White 12x12" VFT	
20230830-CC-06B		B5W1 NE Bldg Corner/Black Mastic a/w White 12x12" VFT	
20230830-CC-06C		B5W1 Staircase Wall/Black Mastic a/w White 12x12" VFT	
20230830-CC-07A		B5W1 NE Hallway/ Brown 4" Vinyl Cove Base (VCB)	
20230830-CC-07B		B5W1 NE Hallway/Brown 4" VCB	
20230830-CC-07C		B5W1 NE Hallway/Brown 4" VCB	
20230830-CC-08A		B5W1 NE Hallway/ Tan Adhesive a/w Brown 4" VCB	
20230830-CC-08B		B5W1 NE Hallway/ Tan Adhesive a/w Brown 4" VCB	
20230830-CC-08C		B5W1 NE Hallway/ Tan Adhesive a/w Brown 4" VCB	
20230830-CC-09A		B5W1 Storage Room N Wall/Lt Grey CMU	
20230830-CC-09B		B5W1 Storage Room N Wall/Lt Grey CMU	
20230830-CC-10A		B5W1 Back Entr Hall N Wall/Mortar a/m Lt Grey CMU	
20230830-CC-10B		B5W1 Main Room W Wall/Mortar a/m Lt Grey CMU	
20230830-CC-11A		B5W1 Storage Room N Wall/Dk Grey CMU	
20230830-CC-11B		B5W1 Storage Room N Wall/Dk Grey CMU	
20230830-CC-12A		B5W1 Back Entr Hall N Wall/Mortar a/m Dk Grey CMU	
20230830-CC-12B		B5W1 Back Entr Hall N Wall/Mortar a/m Dk Grey CMU	
20230830-CC-13A		B5W1 Pharm/Tan Carpet Adhesive on Concrete Slab	
20230830-CC-13B		B5W1 Pharm/Tan Carpet Adhesive on Concrete Slab	

Relinquished By

Received By

10033679

20230830-CC-14A		B5W1 Back Entr Hallway/White Paper Wrap Over Fiber Glass Insul	
20230830-CC-14B		B5W1 Back Entr Hallway/White Paper Wrap Over Fiber Glass Insul	
20230830-CC-15A		B5W1 Main Room E Wall/White a/w Brown Wallpaper (WP) on 1/2" Drywall	
20230830-CC-15B		B5W1 Main Room E Wall/White a/w Brown Wallpaper (WP) on 1/2" Drywall	
20230830-CC-16A		B5W1 Main Room E Wall/ Brown Wallpaper (WP)	
20230830-CC-16B		B5W1 Main Room E Wall/ Brown WP	
20230830-CC-17A		B5W1 Main Room E Wall/Yellow Adhesive a/w Brown WP	
20230830-CC-17B		B5W1 Main Room E Wall/Yellow Adhesive a/w Brown WP	
20230830-CC-18A		B5W1 Main Room E Wall/ Brown WP	
20230830-CC-18B		B5W1 Main Room E Wall/ Brown WP	
20230830-CC-19A		B5W1 Pharm/ White WP	
20230830-CC-19B		B5W1 Pharm/ White WP	
20230830-CC-19C		B5W1 Pharm/ White WP	
20230830-CC-20A		B5W1 Pharm/Tan Adhesive a/w White WP	
20230830-CC-20B		B5W1 Pharm/Tan Adhesive a/w White WP	
20230830-CC-20C		B5W1 Pharm/Tan Adhesive a/w White WP	
20230830-CC-21A		B5W1 Pharm Countertop/Red Adhesive a/w Countertop	
20230830-CC-21B		B5W1 Pharm Countertop/Red Adhesive a/w Countertop	
20230830-CC-22A		B5W1 Back Entr HW Fire Door Frame/Grey Sealant	
20230830-CC-22B		B5W1 Back Entr HW Fire Door Frame/Grey Sealant	
20230830-CC-23A		B5W2 2nd FL/12x12" White Vinyl Floor Tile (VFT)	
20230830-CC-23B		B5W2 2nd FL/12x12" White VFT	
20230830-CC-24A		B5W2 2nd FL/Black Mastic a/w 12x12" White VFT	
20230830-CC-24B		B5W2 2nd FL/Black Mastic a/w 12x12" White VFT	
20230830-CC-25A		B5W2 2nd FL/Brown 4" Vinyl Cove Base	
20230830-CC-25B		B5W2 2nd FL/Brown 4" Vinyl Cove Base	
20230830-CC-26A		B5W2 2nd FL/Tan Adhesive a/w 4" Vinyl Cove Base	

Relinquished By

Received By

10032679

20230830-CC-26B		B5W2 2nd FL/Tan Adhesive a/w 4" Vinyl Cove Base	
20230830-CC-27A		B5W2 Men's Bath/White 4" Ceramic Tile Cove Base	
20230830-CC-27B		B5W2 Women's Bath/White 4" Ceramic Tile Cove Base	
20230830-CC-28A		B5W2 Men's Bath/Gray Grout a/w White 4" Ceramic Tile Cove Base	
20230830-CC-28B		B5W2 Women's Bath/Gray Grout a/w White 4" Ceramic Tile Cove Base	
20230830-CC-29A		B5W2 Men's Bath/Tan Thinset a/w White 4" Ceramic Tile Cove Base	
20230830-CC-29B		B5W2 Women's Bath/Tan Thinset a/w White 4" Ceramic Tile Cove Base	
20230830-CC-30A		B5W2 Men's Bath/Tan 2x2" Ceramic Floor Tile (CFT)	
20230830-CC-30B		B5W2 Women's Bath/Tan 2x2" CFT	
20230830-CC-31A		B5W2 Men's Bath/Gray Grout a/w Tan 2x2" CFT	
20230830-CC-31B		B5W2 Women's Bath/Grey Grout a/w Tan 2x2" CFT	
20230830-CC-32A		B5W2 Women's Bath/Grey Thinset a/w Tan 2x2" CFT	
20230830-CC-32B		B5W2 Men's Bath/Grey Thinset a/w Tan 2x2" CFT	
20230830-CC-33A		B5W2 Women's Bath/Joint Adhesive a/w Tan 2x2" CFT	
20230830-CC-33B		B5W2 Men's Bath/ Joint Adhesive a/w Tan 2x2" CFT	
20230830-FR-34A		B5E Women's Bath/Grey 1/2" Gypsum Drywall	
20230830-FR-34B		B5E NW Corner Storage/Grey 1/2" Gypsum Drywall	
20230830-FR-34C		B5E Bathroom Hall/Grey 1/2" Gypsum Drywall	
20230830-FR-34D		B5E Men's Bath/Grey 1/2" Gypsum Drywall	
20230830-FR-34E		B5E Main Rm N Wall/Grey 1/2" Gypsum Drywall	
20230830-FR-34F		B5E Main Rm E Wall/Grey 1/2" Gypsum Drywall	
20230830-FR-34G		B5E Main Rm W Wall/Grey 1/2" Gypsum Drywall	
20230830-FR-35A		B5E Main Rm W Wall/T&JC a/w Grey 1/2" Gypsum Drywall	
20230830-FR-35B		B5E NW Corner Storage/T&JC a/w Grey 1/2" Gypsum Drywall	

Relinquished By

Received By

10632079

20230830-FR-35C		B5E Main Rm N Wall/T&JC a/w Grey 1/2" Gypsum Drywall	
20230830-FR-35D		B5E Main Rm E Wall/T&JC a/w Grey 1/2" Gypsum Drywall	
20230830-FR-35E		B5E Bath Hallway/T&JC a/w Grey 1/2" Gypsum Drywall	
20230830-FR-35F		B5E Women's Bath/T&JC a/w Grey 1/2" Gypsum Drywall	
20230830-FR-35G		B5E Men's Bath/T&JC a/w Grey 1/2" Gypsum Drywall	
20230830-FR-36A		B5E Main Rm E/Dk Brown 12x12" Floor Tile on Concrete Slab	
20230830-FR-36B		B5E Main Rm W/Dk Brown 12x12" Floor Tile on Concrete Slab	
20230830-FR-37A		B5E Main Rm W/ Black Mastic a/w Dk Brown 12x12" Floor Tile	
20230830-FR-37B		B5E Main Rm E/ Black Mastic a/w Dk Brown 12x12" Floor Tile	
20230830-FR-38A		B5E N Storage Rm 8" Metal Drainpipe/Black Fiberglass Insulation Paper	
20230830-FR-38B		B5E N Storage Rm 8" Metal Drainpipe/Black Fiberglass Insulation Paper	
20230830-FR-39A		B5E N Storage Rm 8" Metal Drainpipe/White Mudded Fitting Insulation	
20230830-FR-39B		B5E N Storage Rm 8" Metal Drainpipe/White Mudded Fitting Insulation	
20230830-FR-40A		B5E Bathroom Hall/Black 4" Vinyl Cove Base	
20230830-FR-40B		B5E Women's Bath/Black 4" Vinyl Cove Base	
20230830-FR-41A		B5E Bathroom Hallway/ Yellow Adhesive a/w Black 4" Vinyl Cove Base	
20230830-FR-41B		B5E Women's Bath/ Yellow Adhesive a/w Black 4" Vinyl Cove Base	
20230830-FR-42A		B5E Woodshop SW Wall/ CMU	
20230830-FR-42B		B5E Woodshop NE Wall/ CMU	
20230830-FR-43A		B5E Woodshup SW Wall/Lt Grey Mortar a/w CMU	
20230830-FR-43B		B5E Woodshup NE Wall/Lt Grey Mortar a/w CMU	
20230830-FR-44A		B5E N Storage Rm Wall/Brick	
20230830-FR-44B		B5E N Storage Rm Wall/Brick	

Relinquished By

Received By



10033679

20230830-FR-45A		B5E N Storage Rm Wall/Mortar a/w Brick	
20230830-FR-45B		B5E N Storage Rm Wall/Mortar a/w Brick	
20230830-FR-46A		B5E N Storage Rm Fire Door Frame/Black Door Frame Caulk	
20230830-FR-46B		B5E N Storage Rm Fire Door Frame/Black Door Frame Caulk	
20230830-FR-47A		B5E NW Store Rm Fire Door Frame/Black Door Frame Caulk	
20230830-FR-47B		B5E NW Store Rm Fire Door Frame/Black Door Frame Caulk	
20230830-FR-48A		B5E Men's Bath/White Pin Hole & Worm 2x4' Sus Cell Ceiling Tile	
20230830-FR-48B		B5E Men's Bath/White Pin Hole & Worm 2x4' Sus Cell Ceiling Tile	

Relinquished By

Received By

\_\_\_\_\_

\_\_\_\_\_



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-01A	½" Gypsum Drywall – Gray x	None Detected	10% Cellulose	90% Other	White Fibrous Homogeneous
10033390_0001					Crushed
20230915-CC-01B	½" Gypsum Drywall – Gray	None Detected	10% Cellulose	90% Other	White Fibrous Homogeneous
10033390_0002					Crushed
20230915-CC-01C	½" Gypsum Drywall – Gray	None Detected	10% Cellulose	90% Other	White Fibrous Homogeneous
10033390_0003					Crushed
20230915-CC-01D	½" Gypsum Drywall – Gray	None Detected	10% Cellulose	90% Other	White Fibrous Homogeneous
10033390_0004					Crushed
20230915-CC-01E	½" Gypsum Drywall – Gray½" Drywall – Gray	None Detected	10% Cellulose	90% Other	White Fibrous Homogeneous
10033390_0005					Crushed
20230915-CC-02A - A	Tape & Joint Compound Associated with Drywall	None Detected	97% Cellulose	3% Other	Beige Fibrous Homogeneous
10033390_0006	tape				Teased
20230915-CC-02A - B	Tape & Joint Compound Associated with Drywall	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0138	joint compound				Crushed
20230915-CC-02B - A	Tape & Joint Compound Associated with Drywall	None Detected	97% Cellulose	3% Other	Beige Fibrous Homogeneous
10033390_0007	tape				Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-02B - B	Tape & Joint Compound Associated with Drywall	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0139	joint compound				Crushed
20230915-CC-02C - A	Tape & Joint Compound Associated with Drywall	None Detected	97% Cellulose	3% Other	Beige Fibrous Homogeneous
10033390_0008	tape				Teased
20230915-CC-02C - B	Tape & Joint Compound Associated with Drywall	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0140	joint compound				Crushed
20230915-CC-02D - A	Tape & Joint Compound Associated with Drywall	None Detected	97% Cellulose	3% Other	Beige Fibrous Homogeneous
10033390_0009	tape				Teased
20230915-CC-02D - B	Tape & Joint Compound Associated with Drywall	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0141	joint compound				Crushed
20230915-CC-02E - A	Tape & Joint Compound Associated with Drywall	None Detected	97% Cellulose	3% Other	Beige Fibrous Homogeneous
10033390_0010	tape				Teased
20230915-CC-02E - B	Tape & Joint Compound Associated with Drywall	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0142	joint compound				Crushed
20230915-CC-03A	CMU – Gray	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0011					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-03B	CMU – Gray	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0012					Crushed
20230915-CC-03C	CMU – Gray	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0013					Crushed
20230915-CC-03D	CMU – Gray (painted white)	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0014					Crushed
20230915-CC-03E	CMU – Gray (painted white)	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0015					Crushed
20230915-CC-04A	Mortar Associated with CMU– Light Gray	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0016					Crushed
20230915-CC-04B	Mortar Associated with CMU– Light Gray	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0017					Crushed
20230915-CC-04C	Mortar Associated with CMU– Light Gray	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0018					Crushed
20230915-CC-04D	Mortar Associated with CMU– Light Gray – Light Gray (painted white)	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0019					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-04E	Mortar Associated with CMU- Light Gray - Light Gray (painted white)	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0020					Crushed
20230915-CC-05A	2'x4' Suspended Cellulose Ceiling Tile - White Pin Hole & Worm	None Detected	35% Cellulose 35% Mineral Wool	30% Other	White Fibrous Homogeneous
10033390_0021					Teased
20230915-CC-05B	2'x4' Suspended Cellulose Ceiling Tile - White Pin Hole & Worm	None Detected	35% Cellulose 35% Mineral Wool	30% Other	White Fibrous Homogeneous
10033390_0022					Teased
20230915-CC-05C	2'x4' Suspended Cellulose Ceiling Tile - White Pin Hole & Worm	None Detected	35% Mineral Wool 35% Cellulose	30% Other	White Fibrous Homogeneous
10033390_0023					Teased
20230915-CC-05D	2'x4' Suspended Cellulose Ceiling Tile - White Pin Hole & Worm	None Detected	35% Mineral Wool 35% Cellulose	30% Other	White Fibrous Homogeneous
10033390_0024					Teased
20230915-CC-05E	2'x4' Suspended Cellulose Ceiling Tile - White Pin Hole & Worm	None Detected	35% Mineral Wool 35% Cellulose	30% Other	White Fibrous Homogeneous
10033390_0025					Teased
20230915-CC-06A	2'x4' Replacement Suspended Cellulose Ceiling Tile - White Pin Hole & Small Cracks	None Detected	40% Cellulose 30% Mineral Wool	30% Other	White Fibrous Homogeneous
10033390_0026					Teased
20230915-CC-06B	2'x4' Replacement Suspended Cellulose Ceiling Tile - White Pin Hole & Small Cracks	None Detected	40% Cellulose 30% Mineral Wool	30% Other	White Fibrous Homogeneous
10033390_0027					Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-06C	2'x4' Replacement Suspended Cellulose Ceiling Tile – White Pin Hole & Small Cracks	None Detected	40% Cellulose 30% Mineral Wool	30% Other	White Fibrous Homogeneous
10033390_0028					Teased
20230915-CC-07A	4" Vinyl Cove Base Over Drywall - White	None Detected		100% Other	Brown Non-Fibrous Homogeneous
10033390_0029					Dissolved
20230915-CC-07B	4" Vinyl Cove Base Over Drywall - White	None Detected		100% Other	Brown Non-Fibrous Homogeneous
10033390_0030					Dissolved
20230915-CC-07C	4" Vinyl Cove Base Over Drywall - White	None Detected		100% Other	Brown Non-Fibrous Homogeneous
10033390_0031					Dissolved
20230915-CC-08A	White Adhesive Associated with White 4" Cove Base	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0032					Dissolved
20230915-CC-08B	White Adhesive Associated with White 4" Cove Base	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0033					Dissolved
20230915-CC-08C	White Adhesive Associated with White 4" Cove Base	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0034					Dissolved
20230915-CC-09A	4" Vinyl Cove Base Over Drywall – Dark Tan	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033390_0035					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
 EPA Method: 600/R-93/116 and  
 40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
 146 Hartford Road  
 Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-09B	4" Vinyl Cove Base Over Drywall - Dark Tan	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033390_0036					Dissolved
20230915-CC-09C	4" Vinyl Cove Base Over Drywall - Dark Tan	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033390_0037					Dissolved
20230915-CC-10A	Tan Adhesive Associated with Dark Tan 4" Cove Base	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033390_0038					Dissolved
20230915-CC-10B	Tan Adhesive Associated with Dark Tan 4" Cove Base	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033390_0039					Dissolved
20230915-CC-10C	Tan Adhesive Associated with Dark Tan 4" Cove Base	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033390_0040					Dissolved
20230915-CC-11A	4" Vinyl Cove Base Over Drywall - Black	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033390_0041					Dissolved
20230915-CC-11B	4" Vinyl Cove Base Over Drywall - Black	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033390_0042					Dissolved
20230915-CC-12C	4" Vinyl Cove Base Over Drywall - Black	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033390_0043	bag labeled as "20230915-CC-11C"				Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-12A	Black & Tan Adhesive	3% Chrysotile		97% Other	Black, Tan Non-Fibrous Homogeneous
10033390_0044					Dissolved
20230915-CC-12B	Black & Tan Adhesive on Concrete	Not Analyzed			
10033390_0045					
20230915-CC-12C	Black & Tan Adhesive on Concrete	Not Analyzed			
10033390_0046					
20230915-CC-12D	Black & Tan Adhesive on Concrete	Not Analyzed			
10033390_0047					
20230915-CC-12E	Black & Tan Adhesive on Concrete	Not Analyzed			
10033390_0048					
20230915-CC-13A	Black Vinyl (white 12"x12" printed tile design) Sheet Floor	None Detected		100% Other	Black, White Non-Fibrous Homogeneous
10033390_0049					Dissolved
20230915-CC-13B	Black Vinyl (white 12"x12" printed tile design) Sheet Floor	None Detected		100% Other	White, Black Non-Fibrous Homogeneous
10033390_0050					Dissolved
20230915-CC-13C	Black Vinyl (white 12"x12" printed tile design) Sheet Floor	None Detected		100% Quartz	Black Non-Fibrous Homogeneous
10033390_0051					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory





# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-14A	Black Adhesive Associated with Black Vinyl (white printed tile design) Sheet Floor	None Detected		100% Other	Transparent Non-Fibrous Homogeneous
10033390_0052					Dissolved
20230915-CC-14B	Black Adhesive Associated with Black Vinyl (white printed tile design) Sheet Floor	None Detected		100% Other	Transparent Non-Fibrous Homogeneous
10033390_0053					Dissolved
20230915-CC-14C	Black Adhesive Associated with Black Vinyl (white printed tile design) Sheet Floor	None Detected		100% Other	Transparent Non-Fibrous Homogeneous
10033390_0054					Dissolved
20230915-CC-15A	White Vinyl (black printed tile design) Floor Tile 12"x12"	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033390_0055					Dissolved
20230915-CC-15B	White Vinyl (black printed tile design) Floor Tile 12"x12"	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033390_0056					Dissolved
20230915-CC-15C	White Vinyl (black printed tile design) Floor Tile 12"x12"	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033390_0057					Dissolved
20230915-CC-16A	Clear Yellow Adhesive Associated with White Vinyl (black printed tile design) Floor Tile	None Detected		100% Other	Transparent Non-Fibrous Homogeneous
10033390_0058					Dissolved
20230915-CC-16B	Clear Yellow Adhesive Associated with White Vinyl (black printed tile design) Floor Tile	None Detected		100% Other	Transparent Non-Fibrous Homogeneous
10033390_0059					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-16C	Clear Yellow Adhesive Associated with White Vinyl (black printed tile design) Floor Tile	None Detected		100% Other	Transparent Non-Fibrous Homogeneous
10033390_0060					Dissolved
20230915-CC-17A	Tan Glue Daub Associated with Wall Mirror on Drywall	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033390_0061					Dissolved
20230915-CC-17B	Tan Glue Daub Associated with Wall Mirror on Drywall	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033390_0062					Dissolved
20230915-CC-17C	Tan Glue Daub Associated with Wall Mirror on Drywall	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033390_0063					Dissolved
20230915-CC-18A	White Paper Wrap Around Fiberglass Insulated 1/2" Pipe	None Detected	90% Cellulose	10% Other	Tan Fibrous Homogeneous
10033390_0064					Teased
20230915-CC-18B	White Paper Wrap Around Fiberglass Insulated 1/2" Pipe	None Detected	90% Cellulose	10% Other	Tan Fibrous Homogeneous
10033390_0065					Teased
20230915-CC-19A	Thick White Caulk at Vertical (window frame to drywall) Joint	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0066					Dissolved
20230915-CC-19B	Thick White Caulk at Vertical (window frame to drywall) Joint	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0067					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-19C	Thick White Caulk at Vertical (window frame to drywall) Joint	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0068					Dissolved
20230915-CC-20A	Thin White Caulk at Vertical (window frame to glass) Joint	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0069					Dissolved
20230915-CC-20B	Thin White Caulk at Vertical (window frame to glass) Joint	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0070					Dissolved
20230915-CC-20C	Thin White Caulk at Vertical (window frame to glass) Joint	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0071					Dissolved
20230915-CC-21A	Tan Caulk at Vertical (window frame to brick) Joint	2% Chrysotile		98% Other	Tan Non-Fibrous Homogeneous
10033390_0072					Dissolved
20230915-CC-21B	Tan Caulk at Vertical (window frame to brick) Joint	Not Analyzed			
10033390_0073					
20230915-CC-21C	Tan Caulk at Vertical (window frame to brick) Joint	Not Analyzed			
10033390_0074					
20230915-CC-22A	½" Gypsum Drywall – Gray (painted yellow)	None Detected	10% Cellulose	90% Other	Gray Fibrous Homogeneous
10033390_0075					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-22B	½" Gypsum Drywall – Gray (painted yellow)	None Detected	10% Cellulose	90% Other	Gray Fibrous Homogeneous
10033390_0076					Crushed
20230915-CC-22C	½" Gypsum Drywall – Gray (painted white)	None Detected	10% Cellulose	90% Other	Gray Fibrous Homogeneous
10033390_0077					Crushed
20230915-CC-22D	½" Gypsum Drywall – Gray (painted white)	None Detected	10% Cellulose	90% Other	Gray Fibrous Homogeneous
10033390_0078					Crushed
20230915-CC-22E	½" Gypsum Drywall – Gray (painted white)	None Detected	10% Cellulose	90% Other	Gray Fibrous Homogeneous
10033390_0079					Crushed
20230915-CC-23A	Tape & Joint Compound Associated with Drywall (painted yellow)	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0080					Crushed
20230915-CC-23B	Tape & Joint Compound Associated with Drywall (painted yellow)	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0081					Crushed
20230915-CC-23C	Tape & Joint Compound Associated with Drywall (painted white)	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0082					Crushed
20230915-CC-23D	Tape & Joint Compound Associated with Drywall (painted white)	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0083					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-23E	Tape & Joint Compound Associated with Drywall (painted white)	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0084					Crushed
20230915-CC-24A	12"x12" White and Gray Specks Vinyl Floor Tile	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0085					Dissolved
20230915-CC-24B	12"x12" White and Gray Specks Vinyl Floor Tile	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0086					Dissolved
20230915-CC-24C	12"x12" White and Gray Specks Vinyl Floor Tile	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0087					Dissolved
20230915-CC-24D	12"x12" White and Gray Specks Vinyl Floor Tile	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0088					Dissolved
20230915-CC-24E	12"x12" White and Gray Specks Vinyl Floor Tile	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0089					Dissolved
20230915-CC-25A	Tan Adhesive under 12"x12" White and Gray Specks floor tile	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033390_0090					Dissolved
20230915-CC-25B	Tan Adhesive under 12"x12" White and Gray Specks floor tile	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033390_0091					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-25C	Tan Adhesive under 12"x12" White and Gray Specks floor tile	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033390_0092					Dissolved
20230915-CC-25D	Tan Adhesive under 12"x12" White and Gray Specks floor tile	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033390_0093					Dissolved
20230915-CC-25E	Tan Adhesive under 12"x12" White and Gray Specks floor tile	None Detected		100% Other	Tan Non-Fibrous Homogeneous
10033390_0094					Dissolved
20230915-CC-26A	12"x12" White Floor Tile Over Concrete	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0095					Dissolved
20230915-CC-26B	12"x12" White Floor Tile Over Concrete	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0096					Dissolved
20230915-CC-26C	12"x12" White Floor Tile Over Concrete	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0097	leveling only				Crushed
20230915-CC-26D	12"x12" White Floor Tile Over Concrete	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0098	leveling only				Crushed
20230915-CC-26E	12"x12" White Floor Tile Over Concrete	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0099	leveling only				Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-27A	Black Adhesive under 12"x12" White Floor Tile	None Detected	2% Cellulose	98% Other	Black Non-Fibrous Homogeneous
10033390_0100					Dissolved
20230915-CC-27B	Black Adhesive under 12"x12" White Floor Tile	None Detected	2% Cellulose	98% Other	Black Non-Fibrous Homogeneous
10033390_0101					Dissolved
20230915-CC-27C	Black Adhesive under 12"x12" White Floor Tile	None Detected	2% Cellulose	98% Other	Black Non-Fibrous Homogeneous
10033390_0102					Dissolved
20230915-CC-27D	Black Adhesive under 12"x12" White Floor Tile	None Detected	2% Cellulose	98% Other	Black Non-Fibrous Homogeneous
10033390_0103					Dissolved
20230915-CC-27E	Black Adhesive under 12"x12" White Floor Tile	None Detected	2% Cellulose	98% Other	Black Non-Fibrous Homogeneous
10033390_0104					Dissolved
20230915-CC-28A	4"x12" Light Gray and Dark Gray Specks Cove Base Tile	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0105					Dissolved
20230915-CC-28B	4"x12" Light Gray and Dark Gray Specks Cove Base Tile	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0106					Dissolved
20230915-CC-28C	4"x12" Light Gray and Dark Gray Specks Cove Base Tile	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0107					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-29A	White Glue Daub behind 4"x12" Light Gray and Dark Gray Specks Cove Base Tile	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0108					Dissolved
20230915-CC-29B	White Glue Daub behind 4"x12" Light Gray and Dark Gray Specks Cove Base Tile	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0109					Dissolved
20230915-CC-29C	White Glue Daub behind 4"x12" Light Gray and Dark Gray Specks Cove Base Tile	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0110					Dissolved
20230915-CC-30A	4"x4" Red Quarry Tile Cove Base	None Detected		100% Other	Red Non-Fibrous Homogeneous
10033390_0111					Dissolved
20230915-CC-30B	4"x4" Red Quarry Tile Cove Base	None Detected		100% Other	Red Non-Fibrous Homogeneous
10033390_0112					Dissolved
20230915-CC-30C	4"x4" Red Quarry Tile Cove Base	None Detected		100% Other	Red Non-Fibrous Homogeneous
10033390_0113					Dissolved
20230915-CC-31A	Gray Grout Between Red Quarry Cove Base Tiles	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0114					Crushed
20230915-CC-31B	Gray Grout Between Red Quarry Cove Base Tiles	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0115					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory





# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-31C	Gray Grout Between Red Quarry Cove Base Tiles	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0116					Crushed
20230915-CC-32A	White Thin Set Behind Red Quarry Cove Base Tiles	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0117					Crushed
20230915-CC-32B	White Thin Set Behind Red Quarry Cove Base Tiles	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0118					Crushed
20230915-CC-32C	White Thin Set Behind Red Quarry Cove Base Tiles	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0119					Crushed
20230915-CC-33A	4"x4" Red Quarry Tile Floor over concrete	None Detected		100% Other	Red Non-Fibrous Homogeneous
10033390_0120					Crushed
20230915-CC-33B	4"x4" Red Quarry Tile Floor over concrete	None Detected		100% Other	Red Non-Fibrous Homogeneous
10033390_0121					Crushed
20230915-CC-33C	4"x4" Red Quarry Tile Floor over concrete	None Detected		100% Other	Red Non-Fibrous Homogeneous
10033390_0122					Crushed
20230915-CC-34A	Gray Grout Between Red Quarry Floor Tiles	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0123					Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-34B	Gray Grout Between Red Quarry Floor Tiles	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0124					Crushed
20230915-CC-34C	Gray Grout Between Red Quarry Floor Tiles	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0125					Crushed
20230915-CC-35A	Light Gray Mudset Under Red Quarry Floor Tiles	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0126					Crushed
20230915-CC-35B	Light Gray Mudset Under Red Quarry Floor Tiles	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0127					Crushed
20230915-CC-35C	Light Gray Mudset Under Red Quarry Floor Tiles	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10033390_0128					Crushed
20230915-CC-36A	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Small Fissures	None Detected	35% Cellulose 35% Mineral Wool	30% Other	White Fibrous Homogeneous
10033390_0129					Teased
20230915-CC-36B	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Small Fissures	None Detected	35% Cellulose 35% Mineral Wool	30% Other	White Fibrous Homogeneous
10033390_0130					Teased
20230915-CC-36C	2'x4' Suspended Cellulose Ceiling Tile – White Pin Hole & Small Fissures	None Detected	35% Cellulose 35% Mineral Wool	30% Other	White Fibrous Homogeneous
10033390_0131					Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033390

**Analysis:** PLM

**Date Received:** 09/25/2023

**Date Reported:** 10/03/2023

**Project:** Silver Lane Plaza/20230389.A10

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230915-CC-37A	2'x4' Suspended Gypsum Board Ceiling Tile – White Rough Sand Texture	None Detected	10% Cellulose	90% Other	White Fibrous Homogeneous
10033390_0132					Teased
20230915-CC-37B	2'x4' Suspended Gypsum Board Ceiling Tile – White Rough Sand Texture	None Detected	10% Cellulose	90% Other	White Fibrous Homogeneous
10033390_0133					Teased
20230915-CC-37C	2'x4' Suspended Gypsum Board Ceiling Tile – White Rough Sand Texture	None Detected	10% Cellulose	90% Other	White Fibrous Homogeneous
10033390_0134					Teased
20230915-CC-38A	White Caulk at Vertical (metal frame to metal wall) Joint	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0135					Dissolved
20230915-CC-38B	White Caulk at Vertical (metal frame to metal wall) Joint	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0136					Dissolved
20230915-CC-38C	White Caulk at Vertical (metal frame to metal wall) Joint	None Detected		100% Other	White Non-Fibrous Homogeneous
10033390_0137					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Charmel Dozier (142)

Analyst

Approved Signatory



**Scientific Analytical Institute**  
 4604 Dundas Dr. Greensboro, NC 27407  
 Phone: 336.292.3888 Fax: 336.292.3313  
 www.sailab.com lab@sailab.com

100333910

*Lab Use Only*  
 Lab Order ID: \_\_\_\_\_  
 Client Code: \_\_\_\_\_

Company Contact Information	
Company: Fuss & O'Neill, Inc.	Contact: Carlos Texidor
Address: 146 Hartford Road Manchester, CT 06040	Phone <input type="checkbox"/> : 860-646-2469
	Fax <input type="checkbox"/> :
	Email <input checked="" type="checkbox"/> : LabResults@fando.com & ctexidor@fando.com

Asbestos Test Types	
PLM EPA 600/R-93/116 (PLM)	<input checked="" type="checkbox"/>
Positive stop	<input checked="" type="checkbox"/>
PLM Point Count 400 (PT4)	<input type="checkbox"/>
PLM Point Count 1000 (PTM)	<input type="checkbox"/>
PCM NIOSH 7400-A Rules (PCM)	<input type="checkbox"/>
B Rules (PCB) <input type="checkbox"/> TWA (PTA) <input type="checkbox"/>	
TEM AHERA (AHE)	<input type="checkbox"/>
TEM Level II (LII)	<input type="checkbox"/>
TEM NIOSH 7402 (TNI)	<input type="checkbox"/>
TEM Bulk Qualitative (TBL)	<input type="checkbox"/>
TEM Bulk Chatfield (TBS)	<input type="checkbox"/>
TEM Bulk Quantitative (TBQ)	<input type="checkbox"/>
TEM Wipe ASTM D6480-05	<input type="checkbox"/>
TEM Microvac ASTM D5755-09	<input type="checkbox"/>
TEM Water EPA 100.2 (TW1)	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>

Billing Invoice Information	Turn Around Times	
Company: Fuss & O'Neill, Inc.	90 Min. <input type="checkbox"/>	48 Hours <input type="checkbox"/>
Contact: Carlos Texidor	3 Hours <input type="checkbox"/>	72 Hours <input type="checkbox"/>
Address: 146 Hartford Road Manchester, CT 06040	6 Hours <input type="checkbox"/>	96 Hours <input type="checkbox"/>
	12 Hours <input type="checkbox"/>	120 Hours <input type="checkbox"/>
	24 Hours <input type="checkbox"/>	7 Days <input checked="" type="checkbox"/>

PO Number: 20230389.A10  
 Project Name/Number: Silver Lane Plaza/20230389.A10

\*\*\*No TEM-NOB Analysis  
 Do not layer Samples Unless Noted as Such  
 \*\*\*Stop Positive for samples of each set.

Sample ID #	Location	Description	Comments
20230915-CC-01A	East Wall of Gym	1/2" Gypsum Drywall - Gray	
20230915-CC-01B	West Wall of Gym	1/2" Gypsum Drywall - Gray 1/2" Drywall - Gray	
20230915-CC-01C	North Wall of Gym	1/2" Gypsum Drywall - Gray 1/2" Drywall - Gray	
20230915-CC-01D	West Wall of Men's Locker Room	1/2" Gypsum Drywall - Gray 1/2" Drywall - Gray	
20230915-CC-01E	West Wall of Women's Locker Room	1/2" Gypsum Drywall - Gray 1/2" Drywall - Gray	
20230915-CC-02A	East Wall of Gym	Tape & Joint Compound Associated with Drywall	
20230915-CC-02B	West Wall of Gym	Tape & Joint Compound Associated with Drywall Tape & Joint Compound	
20230915-CC-02C	North Wall of Gym	Tape & Joint Compound Associated with Drywall Tape & Joint Compound	
20230915-CC-02D	West Wall of Men's Locker Room	Tape & Joint Compound Associated with Drywall Tape & Joint Compound	
20230915-CC-02E	West Wall of Women's Locker Room	Tape & Joint Compound Associated with Drywall Tape & Joint Compound	

Accepted  *[Signature]*  
 Rejected  9/25 8:30 AM

16033390



**Scientific Analytical Institute**  
 4604 Dundas Dr. Greensboro, NC 27407  
 Phone: 336.292.3888 Fax: 336.292.3313  
 www.sailab.com lab@sailab.com

*Lab Use Only*  
 Lab Order ID: \_\_\_\_\_  
 Client Code: \_\_\_\_\_

Sample ID #	Location	Description	Comments
20230915-CC-03A	Electrical Closet Office Exterior Wall (E wall)	CMU - Gray	
20230915-CC-03B	Storage Closet Office Exterior Wall (S wall)	CMU - Gray	
20230915-CC-03C	Storage Closet Office Exterior Wall (S wall)	CMU - Gray	
20230915-CC-03D	Office South Wall	CMU - Gray (painted white)	
20230915-CC-03E	Office South Wall	CMU - Gray (painted white)	
20230915-CC-04A	Electrical Closet Office Exterior Wall (E wall)	Mortar Associated with CMU- Light Gray/Mortar- Light Gray	
20230915-CC-04B	Storage Closet Office Exterior Wall (S wall)	Mortar Associated with CMU- Light Gray/Mortar - Light Gray	
20230915-CC-04C	Storage Closet Office Exterior Wall (S wall)	Mortar Associated with CMU- Light Gray/Mortar - Light Gray	
20230915-CC-04D	Office South Wall	Mortar- Associated with CMU- Light Gray - Light Gray (painted white)	
20230915-CC-04E	Office South Wall	Mortar- Associated with CMU- Light Gray - Light Gray (painted white)	
20230915-CC-05A	North End of Gym	2'x4' Suspended Cellulose Ceiling Tile - White Pin Hole & Worm	
20230915-CC-05B	North End of Gym	2'x4' Suspended Cellulose Ceiling Tile - White Pin Hole & Worm	
20230915-CC-05C	North End of Gym	2'x4' Suspended Cellulose Ceiling Tile - White Pin Hole & Worm	
20230915-CC-05D	North End of Gym	2'x4' Suspended Cellulose Ceiling Tile - White Pin Hole & Worm	
20230915-CC-05E	North End of Gym	2'x4' Suspended Cellulose Ceiling Tile - White Pin Hole & Worm	
20230915-CC-06A	North End of Gym	2'x4' Replacement Suspended Cellulose Ceiling Tile - White Pin Hole & Small Cracks	
20230915-CC-06B	North End of Gym	2'x4' Replacement Suspended Cellulose Ceiling Tile - White Pin Hole & Small Cracks	
20230915-CC-06C	North End of Gym	2'x4' Replacement Suspended Cellulose Ceiling Tile - White Pin Hole & Small Cracks	
20230915-CC-07A	East Wall of Gym (center of wall)	4" Vinyl Cove Base Over Drywall - White	
20230915-CC-07B	East Wall of Gym (center of wall)	4" Vinyl Cove Base Over Drywall - White	
20230915-CC-07C	East Wall of Gym (S end of wall)	4" Vinyl Cove Base Over Drywall - White	
20230915-CC-08A	East Wall of Gym (center of wall)	White Adhesive Associated with White 4" Cove Base	
20230915-CC-08B	East Wall of Gym (center of wall)	White Adhesive Associated with White 4" Cove Base	
20230915-CC-08C	East Wall of Gym (S end of wall)	White Adhesive Associated with White 4" Cove Base	
20230915-CC-09A	Back Hallway East Wall	4" Vinyl Cove Base Over Drywall - Dark Tan	
20230915-CC-09B	South Wall of Men's Locker Room	4" Vinyl Cove Base Over Drywall - Dark Tan	
20230915-CC-09C	South Wall of Women's Locker Room	4" Vinyl Cove Base Over Drywall - Dark Tan	
20230915-CC-10A	Back Hallway East Wall	Tan Adhesive Associated with Dark Tan 4" Cove Base	
20230915-CC-10B	South Wall of Men's Locker Room	Tan Adhesive Associated with Dark Tan 4" Cove Base	
20230915-CC-10C	South Wall of Women's Locker Room	Tan Adhesive Associated with Dark Tan 4" Cove Base	
20230915-CC-11A	East Wall of Gym (N end)	4" Vinyl Cove Base Over Drywall - Black	No Associated Adhesive (screwed onto wall)

Commented [EC1]: Should include Substrate (CMU, Wallboard or other)

10083390



**Scientific Analytical Institute**  
 4604 Dundas Dr. Greensboro, NC 27407  
 Phone: 336.292.3888 Fax: 336.292.3313  
 www.sailab.com lab@sailab.com

**Lab Use Only**  
 Lab Order ID: \_\_\_\_\_  
 Client Code: \_\_\_\_\_

Sample ID #	Location	Description	Comments
20230915-CC-11B	East Wall of Gym (N end)	4" Vinyl Cove Base Over Drywall - Black	No Associated Adhesive (screwed onto wall)
20230915-CC-12C	North Wall of Gym (center of wall)	4" Vinyl Cove Base Over Drywall - Black	No Associated Adhesive (screwed onto wall)
20230915-CC-12A	Gym Floor Under Rubber Mats (S end of gym)	Black & Tan Adhesive	Adhesive likely from previously removed tiles
20230915-CC-12B	Gym Floor Under Rubber Mats (S end of gym)	Black & Tan Adhesive on Concrete	Adhesive likely from previously removed tiles
20230915-CC-12C	Gym Floor Under Rubber Mats (S end of gym)	Black & Tan Adhesive on Concrete	Adhesive likely from previously removed tiles
20230915-CC-12D	Gym Floor Under Rubber Mats (N end of gym)	Black & Tan Adhesive on Concrete	Adhesive likely from previously removed tiles
20230915-CC-12E	Gym Floor Under Rubber Mats (N end of gym)	Black & Tan Adhesive on Concrete	Adhesive likely from previously removed tiles
20230915-CC-13A	Electrical Closet Floor	Black Vinyl (white 12"x12" printed tile design) Sheet Floor	
20230915-CC-13B	Electrical Closet Floor	Black Vinyl (white 12"x12" printed tile design) Sheet Floor	
20230915-CC-13C	Electrical Closet Floor	Black Vinyl (white 12"x12" printed tile design) Sheet Floor	
20230915-CC-14A	Electrical Closet Floor	Black Adhesive Associated with Black Vinyl (white printed tile design) Sheet Floor	
20230915-CC-14B	Electrical Closet Floor	Black Adhesive Associated with Black Vinyl (white printed tile design) Sheet Floor	
20230915-CC-14C	Electrical Closet Floor	Black Adhesive Associated with Black Vinyl (white printed tile design) Sheet Floor	
20230915-CC-15A	Southwest Corner of Gym Floor	White Vinyl (black printed tile design) Floor Tile 12"x12"	
20230915-CC-15B	Southwest Corner of Gym Floor	White Vinyl (black printed tile design) Floor Tile 12"x12"	
20230915-CC-15C	Southwest Corner of Gym Floor	White Vinyl (black printed tile design) Floor Tile 12"x12"	
20230915-CC-16A	Southwest Corner of Gym Floor	Clear Yellow Adhesive Associated with White Vinyl (black printed tile design) Floor Tile	
20230915-CC-16B	Southwest Corner of Gym Floor	Clear Yellow Adhesive Associated with White Vinyl (black printed tile design) Floor Tile	
20230915-CC-16C	Southwest Corner of Gym Floor	Clear Yellow Adhesive Associated with White Vinyl (black printed tile design) Floor Tile	
20230915-CC-17A	West Wall of Gym	Tan Glue Daub Associated with Wall Mirror on Drywall	
20230915-CC-17B	West Wall of Gym	Tan Glue Daub Associated with Wall Mirror on Drywall	
20230915-CC-17C	West Wall of Gym	Tan Glue Daub Associated with Wall Mirror on Drywall	
20230915-CC-18A	East Wall of Storage Closet	White Paper Wrap Around Fiberglass Insulated 1/2" Pipe	
20230915-CC-18B	East Wall of Storage Closet	White Paper Wrap Around Fiberglass Insulated 1/2" Pipe	
20230915-CC-19A	Southwest Corner of Gym	Thick White Caulk at Vertical (window frame to drywall) Joint	
20230915-CC-19B	Southwest Corner of Gym	Thick White Caulk at Vertical (window frame to drywall) Joint	
20230915-CC-19C	Southwest Corner of Gym	Thick White Caulk at Vertical (window frame to drywall) Joint	
20230915-CC-20A	South Wall Windows of Gym	Thin White Caulk at Vertical (window frame to glass) Joint	
20230915-CC-20B	South Wall Windows of Gym	Thin White Caulk at Vertical (window frame to glass) Joint	

Commented [EC2]: Same comment as above

Commented [EC3]: Associated with? Substrate?

10633390



**Scientific Analytical Institute**  
 4604 Dundas Dr. Greensboro, NC 27407  
 Phone: 336.292.3888 Fax: 336.292.3313  
 www.sailab.com lab@sailab.com

*Lab Use Only*  
 Lab Order ID: \_\_\_\_\_  
 Client Code: \_\_\_\_\_

Sample ID #	Location	Description	Comments
20230915-CC-20C	South Wall Windows of Gym	Thin White Caulk at Vertical (window frame to glass) Joint	
20230915-CC-21A	Southeast Corner of Gym	Tan Caulk at Vertical (window frame to brick) Joint	
20230915-CC-21B	Southeast Corner of Gym	Tan Caulk at Vertical (window frame to brick) Joint	
20230915-CC-21C	Southeast Corner of Gym	Tan Caulk at Vertical (window frame to brick) Joint	
<b>Insulation</b>			
20230915-CC-22A	Southwest Corner of Storeroom	1/2" Gypsum Drywall - Gray (painted yellow)	
20230915-CC-22B	Southwest Corner of Storeroom	1/2" Gypsum Drywall - Gray (painted yellow)	
20230915-CC-22C	Northwest Corner of Storage Room	1/2" Gypsum Drywall - Gray (painted white)	
20230915-CC-22D	Northwest Corner of Storage Room	1/2" Gypsum Drywall - Gray (painted white)	
20230915-CC-22E	Northwest Corner of Storage Room	1/2" Gypsum Drywall - Gray (painted white)	
20230915-CC-23A	Southwest Corner of Storeroom	Tape & Joint Compound Associated with Drywall (painted yellow)	
20230915-CC-23B	Southwest Corner of Storeroom	Tape & Joint Compound Associated with Drywall (painted yellow)	
20230915-CC-23C	Northwest Corner of Storage Room	Tape & Joint Compound Associated with Drywall (painted white)	
20230915-CC-23D	Northwest Corner of Storage Room	Tape & Joint Compound Associated with Drywall (painted white)	
20230915-CC-23E	Northwest Corner of Storage Room	Tape & Joint Compound Associated with Drywall (painted white)	
20230915-CC-24A	West Wall of Storeroom in Front of Emergency Exit	12"x12" White and Gray Specks Vinyl floor-Floor tile	1 <sup>st</sup> layer of floor tile (top)
20230915-CC-24B	West Wall of Storeroom in Front of Emergency Exit	12"x12" White and Gray Specks Vinyl Floor Tile	1 <sup>st</sup> layer of floor tile (top)
20230915-CC-24C	Northeast Corner of Storeroom	12"x12" White and Gray Specks Vinyl Floor Tile	1 <sup>st</sup> layer of floor tile (top)
20230915-CC-24D	Northeast Corner of Storeroom	12"x12" White and Gray Specks Vinyl Floor Tile	1 <sup>st</sup> layer of floor tile (top)
20230915-CC-24E	North (center) of Storeroom	12"x12" White and Gray Specks Vinyl Floor Tile	1 <sup>st</sup> layer of floor tile (top)
20230915-CC-25A	West Wall of Storeroom in Front of Emergency Exit	Tan Adhesive under 12"x12" White and Gray Specks floor tile	Between 1 <sup>st</sup> and 2 <sup>nd</sup> tile layers
20230915-CC-25B	West Wall of Storeroom in Front of Emergency Exit	Tan Adhesive under 12"x12" White and Gray Specks floor tile	Between 1 <sup>st</sup> and 2 <sup>nd</sup> tile layers
20230915-CC-25C	Northeast Corner of Storeroom	Tan Adhesive under 12"x12" White and Gray Specks floor tile	Between 1 <sup>st</sup> and 2 <sup>nd</sup> tile layers
20230915-CC-25D	Northeast Corner of Storeroom	Tan Adhesive under 12"x12" White and Gray Specks floor tile	Between 1 <sup>st</sup> and 2 <sup>nd</sup> tile layers
20230915-CC-25E	North (center) of Storeroom	Tan Adhesive under 12"x12" White and Gray Specks floor tile	Between 1 <sup>st</sup> and 2 <sup>nd</sup> tile layers
20230915-CC-26A	Southwest Corner of Storeroom	12"x12" White Floor Tile Over Concrete	2 <sup>nd</sup> layer of floor tile (bottom)
20230915-CC-26B	Southwest Corner of Storeroom	12"x12" White Floor Tile Over Concrete	2 <sup>nd</sup> layer of floor tile (bottom)
20230915-CC-26C	Southwest Corner of Storeroom	12"x12" White Floor Tile Over Concrete	2 <sup>nd</sup> layer of floor tile (bottom)
20230915-CC-26D	North (center) of Storeroom	12"x12" White Floor Tile Over Concrete	2 <sup>nd</sup> layer of floor tile (bottom)
20230915-CC-26E	North (center) of Storeroom	12"x12" White Floor Tile Over Concrete	2 <sup>nd</sup> layer of floor tile (bottom)
20230915-CC-27A	Southwest Corner of Storeroom	Black Adhesive under 12"x12" White Floor Tile	Between concrete and 2 <sup>nd</sup> tile layer
20230915-CC-27B	Southwest Corner of Storeroom	Black Adhesive under 12"x12" White Floor Tile	Between concrete and 2 <sup>nd</sup> tile layer
20230915-CC-27C	Southwest Corner of Storeroom	Black Adhesive under 12"x12" White Floor Tile	Between concrete and 2 <sup>nd</sup> tile layer

**Commented [EC4]:** Three samples is usually all we collect for a Miscellaneous material unless it is wide spread. Surfacing Material we need to follow the 1, 5, 7 Rule of 3 for up to 1000 sf, 5 for 1000-3000 sf and 7 for >5000 sf.

16033390



**Scientific Analytical Institute**  
 4604 Dundas Dr. Greensboro, NC 27407  
 Phone: 336.292.3888 Fax: 336.292.3313  
 www.saiiab.com lab@saiiab.com

Lab Use Only  
 Lab Order ID: \_\_\_\_\_  
 Client Code: \_\_\_\_\_

Sample ID #	Location	Description	Comments
20230915-CC-27D	North (center) of Storeroom	Black Adhesive under 12"x12" White Floor Tile	Between concrete and 2nd tile layer
20230915-CC-27E	North (center) of Storeroom	Black Adhesive under 12"x12" White Floor Tile	Between concrete and 2nd tile layer
20230915-CC-28A	West Wall of Storeroom in Front of Emergency Exit	4"x12" Light Gray and Dark Gray Specks Cove Base Tile	
20230915-CC-28B	Southwest Corner of Storeroom	4"x12" Light Gray and Dark Gray Specks Cove Base Tile	
20230915-CC-28C	Southwest Corner of Storeroom	4"x12" Light Gray and Dark Gray Specks Cove Base Tile	
20230915-CC-29A	West Wall of Storeroom in Front of Emergency Exit	White Glue Daub behind 4"x12" Light Gray and Dark Gray Specks Cove Base Tile	
20230915-CC-29B	Southwest Corner of Storeroom	White Glue Daub behind 4"x12" Light Gray and Dark Gray Specks Cove Base Tile	
20230915-CC-29C	Southwest Corner of Storeroom	White Glue Daub behind 4"x12" Light Gray and Dark Gray Specks Cove Base Tile	
20230915-CC-30A	South Wall West End of Kitchen	4"x4" Red Quarry Tile Cove Base	
20230915-CC-30B	South Wall West End of Kitchen	4"x4" Red Quarry Tile Cove Base	
20230915-CC-30C	South Wall West End of Kitchen	4"x4" Red Quarry Tile Cove Base	
20230915-CC-31A	South Wall West End of Kitchen	Gray Grout Between Red Quarry Cove Base Tiles	
20230915-CC-31B	South Wall West End of Kitchen	Gray Grout Between Red Quarry Cove Base Tiles	
20230915-CC-31C	South Wall West End of Kitchen	Gray Grout Between Red Quarry Cove Base Tiles	
20230915-CC-32A	South Wall West End of Kitchen	White Thin Set Behind Red Quarry Cove Base Tiles	
20230915-CC-32B	South Wall West End of Kitchen	White Thin Set Behind Red Quarry Cove Base Tiles	
20230915-CC-32C	South Wall West End of Kitchen	White Thin Set Behind Red Quarry Cove Base Tiles	
20230915-CC-33A	Northwest Corner of Kitchen	4"x4" Red Quarry Tile Floor over concrete	
20230915-CC-33B	Northwest Corner of Kitchen	4"x4" Red Quarry Tile Floor over concrete	
20230915-CC-33C	Center of Kitchen Floor	4"x4" Red Quarry Tile Floor over concrete	
20230915-CC-34A	Northwest Corner of Kitchen	Gray Grout Between Red Quarry Floor Tiles	
20230915-CC-34B	Northwest Corner of Kitchen	Gray Grout Between Red Quarry Floor Tiles	
20230915-CC-34C	Center of Kitchen Floor	Gray Grout Between Red Quarry Floor Tiles	
20230915-CC-35A	Northwest Corner of Kitchen	Light Gray Mudset Under Red Quarry Floor Tiles	
20230915-CC-35B	Center of Kitchen Floor	Light Gray Mudset Under Red Quarry Floor Tiles	
20230915-CC-35C	Center of Kitchen Floor	Light Gray Mudset Under Red Quarry Floor Tiles	
20230915-CC-36A	East Storeroom in Front of Bathroom Door	2'x4' Suspended Cellulose Ceiling Tile - White Pin Hole & Small Fissures	
20230915-CC-36B	East Storeroom in Front of Bathroom Door	2'x4' Suspended Cellulose Ceiling Tile - White Pin Hole & Small Fissures	
20230915-CC-36C	West Storeroom in Front of Emergency Exit	2'x4' Suspended Cellulose Ceiling Tile - White Pin Hole & Small Fissures	
20230915-CC-37A	North Kitchen in Front of Rear Exit Door	2'x4' Suspended Gypsum Board Ceiling Tile - White Rough Sand Texture	
20230915-CC-37B	North Kitchen in Front of Rear Exit Door	2'x4' Suspended Gypsum Board Ceiling Tile - White Rough Sand Texture	
20230915-CC-37C	North Kitchen in Front of Rear Exit Door	2'x4' Suspended Gypsum Board Ceiling Tile - White Rough Sand Texture	
20230915-CC-38A	Kitchen Rear Exit Door Frame	White Caulk at Vertical (metal frame to metal wall) Joint	

Commented [EC5]: Good description

Commented [EC6]: Quarry Or Ceramic Tile?

Commented [EC7]: Likely the same as the cove

Commented [EC8]: These are often set in a thick "Mudset"

Commented [EC9]: Good description; again, three would likely be identical

Commented [EC10]: Vinyl coated Gypsum board or fiber glass?





**Scientific Analytical Institute**  
4604 Dundas Dr. Greensboro, NC 27407  
Phone: 336.292.3888 Fax: 336.292.3313  
www.sailab.com lab@sailab.com

<i>Lab Use Only</i> Lab Order ID: _____ Client Code: _____
--

Sample ID#	Location	Description	Comments
20230915-CC-38B	Kitchen Rear Exit Door Frame	White Caulk at Vertical (metal frame to metal wall) Joint	
20230915-CC-38C	Kitchen Rear Exit Door Frame	White Caulk at Vertical (metal frame to metal wall) Joint	

Total # of Samples 137

--	--	--	--



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-01A	Bldg 1 Sealant on Soffit to Brick on Bldg 2 SW/Black Tar	None Detected	15% Cellulose	85% Other	Black Non-Fibrous Homogeneous
10033683_0001					Dissolved
20230829-FR-01B	Bldg 1 Sealant on Soffit to Brick on Bldg 2 SW/Black Tar	3% Chrysotile	15% Cellulose	82% Other	Silver, Black Non-Fibrous Heterogeneous
10033683_0002					Dissolved
20230829-FR-02A	Bldg 1 Roof/Compressor on Eastern Side/Black Tar	10% Chrysotile		90% Other	Black Non-Fibrous Homogeneous
10033683_0003					Dissolved
20230829-FR-02B	Bldg 1 Roof/Compressor on Eastern Side/Black Tar	Not Analyzed			
10033683_0004					
20230829-FR-03A	Bldg 1 Roof/AC Unit East/Black Tar	None Detected	10% Cellulose	90% Other	Black Non-Fibrous Heterogeneous
10033683_0005					Dissolved
20230829-FR-03B	Bldg 1 Roof/AC Unit East/Black Tar	None Detected	10% Cellulose	90% Other	Black Non-Fibrous Heterogeneous
10033683_0006					Dissolved
20230829-FR-04A	Bldg 1 Roof/Soffit Sealant-South/Black Tar with Silver Paint	8% Chrysotile		92% Other	Black, Silver Non-Fibrous Heterogeneous
10033683_0007					Dissolved
20230829-FR-04B	Bldg 1 Roof/Soffit Sealant-South/Black Tar with Silver Paint	Not Analyzed			
10033683_0008					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
 EPA Method: 600/R-93/116 and  
 40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
 146 Hartford Road  
 Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-05A	Bldg 1 Roof/Rubber Roof Sealant – South near Soffit/Black Rubber Sealant & Tar	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033683_0009					Ashed
20230829-FR-05B	Bldg 1 Roof/Rubber Roof Sealant – South near Soffit/Black Rubber Sealant & Tar	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033683_0010					Ashed
20230829-FR-06A	Bldg 1 Roof/Exhaust Fan North Ctr/Black Tar Sealant	None Detected	10% Cellulose	90% Other	Black Non-Fibrous Homogeneous
10033683_0011					Dissolved
20230829-FR-06B	Bldg 1 Roof/Exhaust Fan North Ctr/Black Tar Sealant	None Detected	10% Cellulose	90% Other	Black Non-Fibrous Homogeneous
10033683_0012					Dissolved
20230829-FR-07A	Bldg 1 Roof/Exhaust Fan North Ctr/White Caulk	None Detected		100% Other	White Non-Fibrous Homogeneous
10033683_0013					Ashed
20230829-FR-07B	Bldg 1 Roof/Exhaust Fan North Ctr/White Caulk	None Detected		100% Other	White Non-Fibrous Homogeneous
10033683_0014					Ashed
20230829-CC-08A	Bldg 1 Roof/Panel on Brick Horizontal Joint Halfway up Bldg 2 Wall/White Caulk	None Detected		100% Other	White Non-Fibrous Homogeneous
10033683_0015					Ashed
20230829-CC-08B	Bldg 1 Roof/Panel on Brick Horizontal Joint Halfway up Bldg 2 Wall/White Caulk	None Detected		100% Other	White Non-Fibrous Homogeneous
10033683_0016					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-CC-09A	Bldg 1 Roof/Wall Panel on Bldg 2 Side Center North/White Caulk	None Detected		100% Other	White Non-Fibrous Homogeneous
10033683_0017					Ashed
20230829-CC-09B	Bldg 1 Roof/Wall Panel on Bldg 2 Side Center North/White Caulk	None Detected		100% Other	White Non-Fibrous Homogeneous
10033683_0018					Ashed
20230829-CC-10A	Bldg 1 Roof/Patch @ Panel of Side Wall West of Bldg 2 North End of Wall/Black Tar	10% Chrysotile		90% Other	White, Black Non-Fibrous Heterogeneous
10033683_0019					Dissolved
20230829-CC-10B	Bldg 1 Roof/Patch @ Panel of Side Wall West of Bldg 2 North End of Wall/Black Tar	Not Analyzed			
10033683_0020					
20230829-CC-11A	Bldg 1 Roof/NE Roof Patch Around Pipe/White Caulk	None Detected		100% Other	Beige Non-Fibrous Homogeneous
10033683_0021					Ashed
20230829-CC-11B	Bldg 1 Roof/NE Roof Patch Around Pipe/White Caulk	None Detected		100% Other	Beige Non-Fibrous Homogeneous
10033683_0022					Ashed
20230829-CC-12A	Bldg 1 Roof/Joint Between Bldgs 1 and 2/Black Tar	None Detected	10% Cellulose	90% Other	Black Non-Fibrous Heterogeneous
10033683_0023					Dissolved
20230829-CC-12B	Bldg 1 Roof/Joint Between Bldgs 1 and 2/Black Tar	None Detected	10% Cellulose	90% Other	Black Non-Fibrous Heterogeneous
10033683_0024					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-EC-13A	Bldg 2 Roof/Center Roof Field/4 Ply Black Asphaltic Layer Roof	None Detected	30% Fiber Glass 5% Wollastonite	65% Other	Black, Silver Fibrous Heterogeneous
10033683_0025	built up roofing				Dissolved
20230829-FR-13B	Bldg 2 Roof/Southeast Roof Field/4 Ply Black Asphaltic Layer Roof	None Detected	30% Fiber Glass 5% Wollastonite	65% Other	Black, Silver Fibrous Heterogeneous
10033683_0026	built up roofing				Dissolved
20230829-FR-13C	Bldg 2 Roof/NW Roof Field/4 Ply Black Asphaltic Layer Roof	None Detected	30% Fiber Glass 5% Wollastonite	65% Other	Silver, Black Fibrous Heterogeneous
10033683_0027	built up roofing				Dissolved
20230829-FR-14A	Bldg 2 Roof/NW Curb/4 Ply Built up roof	15% Chrysotile	30% Fiber Glass	55% Other	Silver, Black Fibrous Heterogeneous
10033683_0028	built up roofing				Dissolved
20230829-FR-14B	Bldg 2 Roof/NW Curb/4 Ply Built up roof	Not Analyzed			
10033683_0029					
20230829-FR-15A	Bldg 2 Roof/Parapet Wall Flashing on Brick/Black Asphaltic 4 Ply Flashing	15% Chrysotile	30% Fiber Glass	55% Other	Black, Silver Fibrous Heterogeneous
10033683_0030	built up roofing				Dissolved, Teased
20230829-FR-15B	Bldg 2 Roof/Southeast Flashing on Equipment/Black Asphaltic 4 Ply Flashing	Not Analyzed			
10033683_0031					
20230829-FR-15C	Bldg 2 Roof/NE Flashing/Black Asphaltic 4 Ply Flashing	Not Analyzed			
10033683_0032					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-16A	Bldg 2 Roof/Center Field/Black Paperback Isoform Board	6% Chrysotile		94% Other	Black Non-Fibrous Homogeneous
10033683_0033	tar on foam				Dissolved
20230829-FR-16B	Bldg 2 Roof/NW Field/Black Paperback Isoform Board	Not Analyzed			
10033683_0034					
20230829-FR-16C	Bldg 2 Roof/SE Field/Black Paperback Isoform Board	Not Analyzed			
10033683_0035					
20230829-FR-17A	Bldg 2 Roof/NE Flashing/Black Paperback Isoform Board	None Detected	20% Fiber Glass	80% Other	Black Fibrous Heterogeneous
10033683_0036					Dissolved
20230829-FR-17B	Bldg 2 Roof/NW Flashing/Black Paperback Isoform Board	None Detected	20% Fiber Glass	80% Other	Black Fibrous Heterogeneous
10033683_0037					Dissolved
20230829-FR-17C	Bldg 2 Roof/SE Flashing/Black Paperback Isoform Board	None Detected	20% Fiber Glass	80% Other	Black Fibrous Heterogeneous
10033683_0038					Dissolved
20230829-FR-18A	Bldg 2 Roof/Center Field/Black Tar under Isoform on Sheet Metal	None Detected	20% Fiber Glass	80% Other	Black Fibrous Heterogeneous
10033683_0039					Dissolved
20230829-FR-18B	Bldg 2 Roof/Center Field/Black Tar under Isoform on Sheet Metal	None Detected	20% Fiber Glass	80% Other	Black Fibrous Heterogeneous
10033683_0040					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-19A	Bldg 2 Roof/NW Corner Curb/Foam Paperback – Black	8% Chrysotile	20% Cellulose	72% Other	Black Fibrous Heterogeneous
10033683_0041					Dissolved
20230829-FR-19B	Bldg 2 Roof/NW Corner Curb/Foam Paperback – Black	Not Analyzed			
10033683_0042					
20230829-FR-20A	Bldg 2 Roof/NW Corner Curb/Fiberboard	None Detected	90% Cellulose	10% Other	Black, Brown Fibrous Homogeneous
10033683_0043					Dissolved
20230829-FR-20B	Bldg 2 Roof/NE Corner Curb/Fiberboard	None Detected	90% Cellulose	10% Other	Brown Fibrous Homogeneous
10033683_0044					Ashed
20230829-FR-20C	Bldg 2 Roof/SE Corner Curb/Fiberboard	None Detected	90% Cellulose	10% Other	Brown Fibrous Homogeneous
10033683_0045					Ashed
20230829-FR-21A	Bldg 2 Roof/Electrical Conduit Box/Black Joint Tar	None Detected	10% Cellulose	90% Other	Black Non-Fibrous Heterogeneous
10033683_0046					Dissolved
20230829-FR-21B	Bldg 2 Roof/Electrical Conduit Box/Black Joint Tar	None Detected	10% Cellulose	90% Other	Black Non-Fibrous Heterogeneous
10033683_0047					Dissolved
20230829-FR-22A	Bldg 2 Roof/East Edge Center/Large Tar Roof Patch	None Detected		100% Other	Black, Gray Non-Fibrous Heterogeneous
10033683_0048					Dissolved, Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-22B	Bldg 2 Roof/East Edge Center/Large Tar Roof Patch	None Detected		100% Other	Black, Gray Non-Fibrous Heterogeneous
10033683_0049					Crushed, Dissolved
20230829-FR-22C	Bldg 2 Roof/East Edge Center/Large Tar Roof Patch	None Detected		100% Other	Black, Gray Non-Fibrous Heterogeneous
10033683_0050					Dissolved, Crushed
20230829-FR-23A	Bldg 2 Roof/East Chimney/White Caulk	3% Chrysotile		97% Other	Gray Non-Fibrous Homogeneous
10033683_0051					Ashed
20230829-FR-23B	Bldg 2 Roof/East Chimney/White Caulk	Not Analyzed			
10033683_0052					
20230829-FR-24A	Bldg 2 Roof/East Edge Roof Vent/Silver Coating	5% Chrysotile	10% Wollastonite	85% Other	Silver Non-Fibrous Homogeneous
10033683_0053					Dissolved
20230829-FR-24B	Bldg 2 Roof/East Edge Roof Vent/Silver Coating	Not Analyzed			
10033683_0054					
20230829-FR-25A	Bldg 3 Roof/North Roof Field/4 Ply Asphaltic Layers over 2" Isoform Foam	None Detected	30% Fiber Glass	70% Other	Black Fibrous Heterogeneous
10033683_0055					Dissolved
20230829-FR-25B	Bldg 3 Roof/South Roof Field/4 Ply Asphaltic Layers over 2" Isoform Foam	10% Chrysotile	10% Cellulose	80% Other	Black Fibrous Heterogeneous
10033683_0056					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory





# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-26A	Bldg 3 Roof/Roof Curb North/4 Ply Asphaltic Layers over 2" Isoform Foam	15% Chrysotile	10% Cellulose 10% Fiber Glass	65% Other	Black Fibrous Heterogeneous
10033683_0057					Dissolved, Teased
20230829-FR-26B	Bldg 3 Roof/Roof Curb South/4 Ply Asphaltic Layers over 2" Isoform Foam	Not Analyzed			
10033683_0058					
20230829-FR-27A	Bldg 3 Roof/Roof Flashing South/4 Ply Asphaltic Layers over No Isoform Foam	8% Chrysotile	10% Fiber Glass 10% Cellulose	72% Other	Black Fibrous Heterogeneous
10033683_0059					Dissolved
20230829-FR-27B	Bldg 3 Roof/Roof Flashing North/4 Ply Asphaltic Layers over 2" Isoform Foam	Not Analyzed			
10033683_0060					
20230829-FR-28A	Bldg 3 Roof/North Roof Field/2" Black Isoform Foam Paperback	None Detected	30% Fiber Glass	70% Other	Black Fibrous Homogeneous
10033683_0061					Dissolved
20230829-FR-28B	Bldg 3 Roof/South Roof Field/2" Black Isoform Foam Paperback	None Detected	30% Fiber Glass	70% Other	Black Fibrous Homogeneous
10033683_0062					Dissolved
20230829-FR-29A	Bldg 3 Roof/North Flashing/2" Isoform Foam Paperback	None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10033683_0063					Dissolved
20230829-FR-29B	Bldg 3 Roof/North Flashing/2" Isoform Foam Paperback	None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10033683_0064					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-30A	Bldg 3 Roof/South Curb/Black Paper Under Ply Build Up Over Fiberboard	None Detected	40% Fiber Glass	60% Other	Black Fibrous Homogeneous
10033683_0065					Dissolved
20230829-FR-30B	Bldg 3 Roof/South Curb/Black Paper Under Ply Build Up Over Fiberboard	None Detected	40% Fiber Glass	60% Other	Black Fibrous Homogeneous
10033683_0066					Dissolved
20230829-FR-31A	Bldg 3 Roof/South Curb/Particle/Fiberboard under Tar/Ply	None Detected	98% Cellulose	2% Other	Brown Fibrous Homogeneous
10033683_0067					Ashed
20230829-FR-31B	Bldg 3 Roof/South Curb/Particle/Fiberboard under Tar/Ply	None Detected	98% Cellulose	2% Other	Brown Fibrous Homogeneous
10033683_0068					Ashed
20230829-FR-32A	Bldg 3 Roof/North Side Flashing/Black Tar on Sheet Steel Under 2" Isoform foam	None Detected	20% Fiber Glass	80% Other	Black Fibrous Heterogeneous
10033683_0069					Dissolved
20230829-FR-32B	Bldg 3 Roof/North Side Flashing/Black Tar on Sheet Steel Under 2" Isoform foam	None Detected	20% Fiber Glass	80% Other	Black Fibrous Heterogeneous
10033683_0070					Dissolved
20230829-FR-33A	Bldg 3 Roof/North Side/Large Tar Roof Patch	None Detected	40% Fiber Glass	60% Other	Black Fibrous Heterogeneous
10033683_0071					Dissolved
20230829-FR-33B	Bldg 3 Roof/North Side/Large Tar Roof Patch	None Detected	40% Fiber Glass	60% Other	Black Fibrous Heterogeneous
10033683_0072					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-34A	Bldg 3 Roof/Northside Air Vent/Silver Coat on Air Vent	5% Chrysotile	10% Wollastonite	85% Other	Silver Non-Fibrous Homogeneous
10033683_0073					Dissolved
20230829-FR-34B	Bldg 3 Roof/Northside Air Vent/Silver Coat on Air Vent	Not Analyzed			
10033683_0074					
20230829-FR-35A	Bldg 4 Roof/North Field/4 Ply Black Asphaltic Layers	None Detected	20% Fiber Glass 10% Cellulose	70% Other	Black, Gray Fibrous Heterogeneous
10033683_0075					Teased, Dissolved
20230829-FR-35B	Bldg 4 Roof/South Field/4 Ply Black Asphaltic Layers	None Detected	20% Fiber Glass 10% Cellulose	70% Other	Gray, Black Fibrous Heterogeneous
10033683_0076					Dissolved, Teased
20230829-FR-36A	Bldg 4 Roof/North Field/Black Foam Paper Back	None Detected	20% Fiber Glass 10% Cellulose	70% Other	Gray, Black Fibrous Heterogeneous
10033683_0077					Dissolved
20230829-FR-36B	Bldg 4 Roof/North Field/Black Foam Paper Back	None Detected	20% Fiber Glass 10% Cellulose	70% Other	Gray, Black Fibrous Heterogeneous
10033683_0078					Dissolved
20230829-FR-37A	Bldg 4 Roof/North Center Flashing/4 Ply Black Asphaltic Layers	5% Chrysotile	30% Cellulose 10% Fiber Glass	55% Other	Black Fibrous Heterogeneous
10033683_0079					Dissolved, Teased
20230829-FR-37B	Bldg 4 Roof/North Center Flashing/4 Ply Black Asphaltic Layers	Not Analyzed			
10033683_0080					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-38A	Bldg 4 Roof/East Edge Curb/4 Ply Black Asphaltic Layers	20% Chrysotile	30% Cellulose	50% Other	Black Fibrous Homogeneous
10033683_0081					Dissolved, Teased
20230829-FR-38B	Bldg 4 Roof/East Edge Curb/4 Ply Black Asphaltic Layers	Not Analyzed			
10033683_0082					
20230829-FR-39A	Bldg 4 Roof/South Flashing/4 Ply Black Asphaltic Layers	15% Chrysotile	20% Fiber Glass 10% Cellulose	55% Other	Black Fibrous Heterogeneous
10033683_0083					Teased, Dissolved
20230829-FR-39B	Bldg 4 Roof/South Flashing/4 Ply Black Asphaltic Layers	Not Analyzed			
10033683_0084					
20230829-FR-40A	Bldg 4 Roof/South Flashing/Black Isoform Foam Paperback under 4 Ply Asphaltic Layers	None Detected	10% Fiber Glass	90% Other	Yellow Non-Fibrous Homogeneous
10033683_0085					Dissolved
20230829-FR-40B	Bldg 4 Roof/South Flashing/Black Isoform Foam Paperback under 4 Ply Asphaltic Layers	None Detected	10% Fiber Glass	90% Other	Yellow Non-Fibrous Homogeneous
10033683_0086					Dissolved
20230829-FR-41A	Bldg 4 Roof/East Edge Curb between Bldgs 4 and 5/Fiberboard	None Detected	95% Cellulose	5% Other	Brown Fibrous Homogeneous
10033683_0087					Ashed
20230829-FR-41B	Bldg 4 Roof/East Edge Curb between Bldgs 4 and 5/Fiberboard	None Detected	95% Cellulose	5% Other	Brown Fibrous Homogeneous
10033683_0088					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-42A	Bldg 4 Roof/North Field/Black Tar on Sheet Metal under Isoform Foam	None Detected	20% Cellulose	80% Other	Black, Brown Fibrous Heterogeneous
10033683_0089					Dissolved
20230829-FR-42B	Bldg 4 Roof/South Field/Black Tar on Sheet Metal under Isoform Foam	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033683_0090					Dissolved
20230829-FR-43A	Bldg 4 Roof/SE Vertical Seam on back of Building Sign/Gray Caulk	6% Chrysotile		94% Other	Gray, Brown Non-Fibrous Homogeneous
10033683_0091					Ashed
20230829-FR-43B	Bldg 4 Roof/SE Vertical Seam on back of Building Sign/Gray Caulk	Not Analyzed			
10033683_0092					
20230829-FR-44A	Bldg 4 Roof/SW Wall/White Caulk on CMU	None Detected		100% Other	White Non-Fibrous Homogeneous
10033683_0093					Ashed
20230829-FR-44B	Bldg 4 Roof/NW Wall/White Caulk on CMU	None Detected		100% Other	White Non-Fibrous Homogeneous
10033683_0094					Ashed
20230829-FR-45A	Bldg 4 Roof/SW Wall/Black Caulk over White Caulk on CMU	3% Chrysotile	10% Cellulose	87% Other	White, Black Non-Fibrous Heterogeneous
10033683_0095					Ashed, Dissolved
20230829-FR-45B	Bldg 4 Roof/NW Wall/Black Caulk over White Caulk on CMU	Not Analyzed			
10033683_0096					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-46A	Bldg 5 Roof/Elevated Roof Field/4 Ply Black Asphaltic Layers	None Detected	40% Fiber Glass	60% Other	Black Fibrous Heterogeneous
10033683_0097	built up roofing				Dissolved
20230829-FR-46B	Bldg 5 Roof/Southeast Field/4 Ply Black Asphaltic Layers	None Detected	40% Fiber Glass	60% Other	Black Fibrous Heterogeneous
10033683_0098	built up roofing				Dissolved
20230829-FR-46C	Bldg 5 Roof/Drop Roof South Field/4 Ply Black Asphaltic Layers	None Detected	40% Fiber Glass	60% Other	Black Fibrous Heterogeneous
10033683_0099	built up roofing				Dissolved
20230829-FR-47A	Bldg 5 Roof/Elevated Roof Flashing/4 Ply Black Asphaltic Layers	None Detected	30% Fiber Glass	70% Other	Black Fibrous Heterogeneous
10033683_0100					Dissolved
20230829-FR-47B	Bldg 5 Roof/SE Roof Flashing/4 Ply Black Asphaltic Layers	10% Chrysotile	30% Cellulose	60% Other	Black Fibrous Heterogeneous
10033683_0101					Dissolved
20230829-FR-47C	Bldg 5 Roof/Drop Roof South Flashing/4 Ply Black Asphaltic Layers	Not Analyzed			
10033683_0102					
20230829-FR-48A	Bldg 5 Roof/Elevated Roof Curbing/4 Ply Black Asphaltic Layers	10% Chrysotile	20% Fiber Glass	70% Other	Black, Gray Fibrous Homogeneous
10033683_0103					Dissolved
20230829-FR-48B	Bldg 5 Roof/South Roof Curbing /4 Ply Black Asphaltic Layers	Not Analyzed			
10033683_0104					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-48C	Bldg 5 Roof/Drop Roof South Curbing/4 Ply Black Asphaltic Layers	Not Analyzed			
10033683_0105					
20230829-FR-49A	Bldg 5 Roof/Elevated Roof Under 4 Ply Asphaltic Layers/Black Tar on Wood	None Detected	10% Cellulose	90% Other	Black Non-Fibrous Homogeneous
10033683_0106					Dissolved
20230829-FR-49B	Bldg 5 Roof/Elevated Roof Under 4 Ply Asphaltic Layers/Black Tar on Wood	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033683_0107					Dissolved
20230829-FR-50A	Bldg 5 Roof/Elevated Roof Field/Paperback on Isoform Foam	None Detected	10% Fiber Glass	90% Other	Yellow Non-Fibrous Homogeneous
10033683_0108					Dissolved
20230829-FR-50B	Bldg 5 Roof/SE Roof Field/Paperback on Isoform Foam	None Detected	10% Fiber Glass	90% Other	Yellow Non-Fibrous Homogeneous
10033683_0109					Dissolved
20230829-FR-51A	Bldg 5 Roof/Drop Roof South/Fiberboard under 4 Ply Asphaltic Layers	None Detected	90% Cellulose	10% Other	Brown, Black Fibrous Heterogeneous
10033683_0110					Dissolved
20230829-FR-51B	Bldg 5 Roof/Drop Roof South/Fiberboard under 4 Ply Asphaltic Layers	None Detected	90% Cellulose	10% Other	Brown, Black Fibrous Heterogeneous
10033683_0111					Dissolved
20230829-FR-52A	Bldg 5 Roof/SE Roof Field/Tar Covering Sheet Metal Under 2" Isoform Foam	None Detected		100% Other	Black Non-Fibrous Heterogeneous
10033683_0112					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-52B	Bldg 5 Roof/SE Roof Field/Tar Covering Sheet Metal Under 2" Isoform Foam	None Detected		100% Other	Black Non-Fibrous Homogeneous
10033683_0113					Dissolved
20230829-FR-53A	Bldg 5 Roof/Elevated Roof Patch/Black Tar Patch	None Detected		100% Other	Gray, Black Non-Fibrous Heterogeneous
10033683_0114					Dissolved
20230829-FR-53B	Bldg 5 Roof/Elevated Roof Patch/Black Tar Patch	None Detected		100% Other	Black, Gray Non-Fibrous Heterogeneous
10033683_0115					Dissolved
20230829-FR-54A	Bldg 5 Roof/Raised Roof North CMU/White Caulk	3% Chrysotile	5% Cellulose	92% Other	Black, White Non-Fibrous Heterogeneous
10033683_0116					Ashed, Dissolved
20230829-FR-54B	Bldg 5 Roof/Raised Roof North CMU/White Caulk	Not Analyzed			
10033683_0117					
20230829-FR-55A	Bldg 5 Roof/East Side Electrical Conduit/Black Tar	None Detected	15% Cellulose	85% Other	Black Non-Fibrous Homogeneous
10033683_0118					Dissolved
20230829-FR-55B	Bldg 5 Roof/East Side Electrical Conduit/Black Tar	None Detected	15% Cellulose	85% Other	Black Non-Fibrous Homogeneous
10033683_0119					Dissolved
20230829-FR-56A	Bldg 5 Roof/NE Lower North Roof Field/4 Ply Black Asphaltic Layers	None Detected	40% Fiber Glass	60% Other	Black Fibrous Heterogeneous
10033683_0120	built up roofing				Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory





# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-56B	Bldg 5 Roof/NW Lower North Roof Field/4 Ply Black Asphaltic Layers	None Detected	40% Fiber Glass	60% Other	Black Fibrous Heterogeneous
10033683_0121	built up roofing				Dissolved
20230829-FR-57A	Bldg 5 Roof/NE Lower North Roof Flashing/4 Ply Black Asphaltic Layers	10% Chrysotile	20% Cellulose	70% Other	Black Fibrous Heterogeneous
10033683_0122					Dissolved, Teased
20230829-FR-57B	Bldg 5 Roof/NW Lower North Roof Flashing/4 Ply Black Asphaltic Layers	Not Analyzed			
10033683_0123					
20230829-FR-58A	Bldg 5 Roof/Lower North Roof-NE Wall/White Caulk along Wall	3% Chrysotile		97% Other	White Non-Fibrous Homogeneous
10033683_0124					Ashed
20230829-FR-58B	Bldg 5 Roof/Lower North Roof-NW Wall/White Caulk along Wall	Not Analyzed			
10033683_0125					
20230829-FR-59A	Bldg 5 Roof/NW Lower North Roof Curb/Black Tar Fiber back	15% Chrysotile	10% Cellulose 10% Fiber Glass	65% Other	Black Fibrous Heterogeneous
10033683_0126					Dissolved, Teased
20230829-FR-59B	Bldg 5 Roof/NW Lower North Roof Curb/Black Tar Fiber back	Not Analyzed			
10033683_0127					
20230829-FR-60A	Bldg 5 Roof/Upper Canopy Field-East/4 Ply Black Asphaltic Layers	None Detected	20% Cellulose	80% Other	Black Non-Fibrous Heterogeneous
10033683_0128					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-60B	Bldg 5 Roof/Upper Canopy Field-West/4 Ply Black Asphaltic Layers	10% Chrysotile	10% Fiber Glass	80% Other	Black Fibrous Heterogeneous
10033683_0129					Dissolved
20230829-FR-61A	Bldg 5 Roof/Upper Canopy Flashing-East/4 Ply Black Asphaltic Layers	None Detected	30% Cellulose	70% Other	Black Fibrous Heterogeneous
10033683_0130					Dissolved
20230829-FR-61B	Bldg 5 Roof/Upper Canopy Flashing-West/4 Ply Black Asphaltic Layers	None Detected	20% Fiber Glass	80% Other	Black Fibrous Heterogeneous
10033683_0131					Dissolved
20230829-FR-62A	Bldg 5 Roof/Lower Canopy Field-East/Black Tarpaper Over Tar	None Detected	20% Synthetic Fibers	80% Other	Black, Gray Fibrous Homogeneous
10033683_0132					Dissolved
20230829-FR-62B	Bldg 5 Roof/Lower Canopy Field-West/Black Tarpaper Over Tar	None Detected	20% Cellulose	80% Other	Black Fibrous Homogeneous
10033683_0133					Dissolved
20230829-FR-63A	Bldg 5 Roof/Lower Canopy Field-East/Black Tar Under Tarpaper	None Detected	20% Cellulose	80% Other	Black Fibrous Heterogeneous
10033683_0134					Dissolved
20230829-FR-63B	Bldg 5 Roof/Lower Canopy Field-West/Black Tar Under Tarpaper	None Detected	20% Cellulose	80% Other	Black Fibrous Heterogeneous
10033683_0135					Dissolved
20230829-FR-64A	Bldg 5 Roof/Lower Canopy Flashing-East/4 Ply Black Asphaltic Layers	None Detected	20% Cellulose	80% Other	Black Fibrous Heterogeneous
10033683_0136					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

Analyst

Approved Signatory



# Bulk Asbestos Analysis

By Polarized Light Microscopy  
EPA Method: 600/R-93/116 and  
40 CFR, Part 763, Subpart E, App.E



**Customer:** Fuss & O'Neil, Inc  
146 Hartford Road  
Manchester, CT 06040

**Attn:** Carlos Texidor

**Lab Order ID:** 10033683

**Analysis:** PLM

**Date Received:** 09/28/2023

**Date Reported:** 10/05/2023

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
20230829-FR-64B	Bldg 5 Roof/Lower Canopy Flashing-West/4 Ply Black Asphaltic Layers	5% Chrysotile	20% Cellulose 10% Fiber Glass	65% Other	Black Fibrous Heterogeneous
10033683_0137					Dissolved
20230829-FR-65A	Bldg 5 Roof/Lower Canopy-West/Silver Tarpaper Over 4 Ply Asphaltic Layers	8% Chrysotile	5% Wollastonite	87% Other	Black, Silver Non-Fibrous Heterogeneous
10033683_0138					Dissolved
20230829-FR-65B	Bldg 5 Roof/Lower Canopy-West/Silver Tarpaper Over 4 Ply Asphaltic Layers	Not Analyzed			
10033683_0139					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Megan Javonovich (139)

**Analyst**

**Approved Signatory**

**Client:** Fuss & O'Neill, Inc  
**Contact:** [Enter your name here]  
**Address:** 146 Hartford Road, Manchester, (860) 646-2469  
**Phone:** [Enter fax here]  
**Fax:** LabResults@fando.com  
**Email:**

**Project:** Silver Lane Plaza/20230389.A10 (Building #2)

**Client Notice:** (Pos: stop for mastics & adhesives  
 Analyze first sample of mastic or adhesive, if positive, DO NOT analyze assoc. floor tile)  
 [Enter P.O. # Here]  
**P.O. #:** [Enter Date Submitted Here]  
**Date Submitted:**

**Analysis:** PLM EPA 600/R-93/116 (PLM)  
**Turnaround Time:** Pos Stop  
 7 Days

**Instructions:**  
 Use Column "B" for your contact info


To See an Example Click the bottom Example Tab.

Enter samples between "<<" and ">>"  
 Begin Samples with a "<<" above the first sample and end with a ">>" below the last sample.

Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included

in the electronic data returned to you to facilitate your reintegration of the report data.

Scientific Analytical Institute 

4604 Dundas Drive  
 Greensboro, NC 27407  
 Phone: 336.292.3888  
 Fax: 336.292.3313  
 Email: lab@sallab.com

16033683

Sample Number	Location	Sample Description	Notes
<<			
20230829-FR-01A		Bldg 1 Sealant on Soffit to Brick on Bldg 2 SW/Black Tar	
20230829-FR-01B		Bldg 1 Sealant on Soffit to Brick on Bldg 2 SW/Black Tar	
20230829-FR-02A		Bldg 1 Roof/Compressor on Eastern Side/Black Tar	
20230829-FR-02B		Bldg 1 Roof/Compressor on Eastern Side/Black Tar	
20230829-FR-03A		Bldg 1 Roof/AC Unit East/Black Tar	
20230829-FR-03B		Bldg 1 Roof/AC Unit East/Black Tar	
20230829-FR-04A		Bldg 1 Roof/Soffit Sealant-South/Black Tar with Silver Paint	
20230829-FR-04B		Bldg 1 Roof/Soffit Sealant-South/Black Tar with Silver Paint	
20230829-FR-05A		Bldg 1 Roof/Rubber Roof Sealant - South near Soffit/Black Rubber Sealant & Tar	
20230829-FR-05B		Bldg 1 Roof/Rubber Roof Sealant - South near Soffit/Black Rubber Sealant & Tar	
20230829-FR-06A		Bldg 1 Roof/Exhaust Fan North Ctr/Black Tar Sealant	
20230829-FR-06B		Bldg 1 Roof/Exhaust Fan North Ctr/Black Tar Sealant	
20230829-FR-07A		Bldg 1 Roof/Exhaust Fan North Ctr/White Caulk	
20230829-FR-07B		Bldg 1 Roof/Exhaust Fan North Ctr/White Caulk	
20230829-CC-08A		Bldg 1 Roof/Panel on Brick Horizontal Joint Halfway up Bldg 2 Wall/White Caulk	
20230829-CC-08B		Bldg 1 Roof/Panel on Brick Horizontal Joint Halfway up Bldg 2 Wall/White Caulk	
20230829-CC-09A		Bldg 1 Roof/Wall Panel on Bldg 2 Side Center North/White Caulk	
20230829-CC-09B		Bldg 1 Roof/Wall Panel on Bldg 2 Side Center North/White Caulk	
20230829-CC-10A		Bldg 1 Roof/Patch @ Panel of Side Wall West of Bldg 2 North End of Wall/Black Tar	
20230829-CC-10B		Bldg 1 Roof/Patch @ Panel of Side Wall West of Bldg 2 North End of Wall/Black Tar	
20230829-CC-11A		Bldg 1 Roof/NE Roof Patch Around Pipe/White Caulk	
20230829-CC-11B		Bldg 1 Roof/NE Roof Patch Around Pipe/White Caulk	
20230829-CC-12A		Bldg 1 Roof/Joint Between Bldgs 1 and 2/Black Tar	
20230829-CC-12B		Bldg 1 Roof/Joint Between Bldgs 1 and 2/Black Tar	
20230829-EC-13A		Bldg 2 Roof/Center Roof Field/4 Ply Black Asphaltic Layer Roof	
20230829-FR-13B		Bldg 2 Roof/Southeast Roof Field/4 Ply Black Asphaltic Layer Roof	
20230829-FR-13C		Bldg 2 Roof/NW Roof Field/4 Ply Black Asphaltic Layer Roof	
20230829-FR-14A		Bldg 2 Roof/NW Curb/4 Ply Built up roof	
20230829-FR-14B		Bldg 2 Roof/NW Curb/4 Ply Built up roof	
20230829-FR-15A		Bldg 2 Roof/Parapet Wall Flashing on Brick/Black Asphaltic 4 Ply Flashing	
20230829-FR-15B		Bldg 2 Roof/Southeast Flashing on Equipment/Black Asphaltic 4 Ply Flashing	
20230829-FR-15C		Bldg 2 Roof/NE Flashing/Black Asphaltic 4 Ply Flashing	
20230829-FR-16A		Bldg 2 Roof/Center Field/Black Paperback Isoform Board	
20230829-FR-16B		Bldg 2 Roof/NW Field/Black Paperback Isoform Board	
20230829-FR-16C		Bldg 2 Roof/SE Field/Black Paperback Isoform Board	
20230829-FR-17A		Bldg 2 Roof/NE Flashing/Black Paperback Isoform Board	
20230829-FR-17B		Bldg 2 Roof/NW Flashing/Black Paperback Isoform Board	
20230829-FR-17C		Bldg 2 Roof/SE Flashing/Black Paperback Isoform Board	
20230829-FR-18A		Bldg 2 Roof/Center Field/Black Tar under Isoform on Sheet Metal	
20230829-FR-18B		Bldg 2 Roof/Center Field/Black Tar under Isoform on Sheet Metal	
20230829-FR-19A		Bldg 2 Roof/NW Corner Curb/Foam Paperback - Black	
20230829-FR-19B		Bldg 2 Roof/NW Corner Curb/Foam Paperback - Black	
20230829-FR-20A		Bldg 2 Roof/NE Corner Curb/Fiberboard	
20230829-FR-20B		Bldg 2 Roof/NE Corner Curb/Fiberboard	
20230829-FR-20C		Bldg 2 Roof/SE Corner Curb/Fiberboard	
20230829-FR-21A		Bldg 2 Roof/Electrical Conduit Box/Black Joint Tar	
20230829-FR-21B		Bldg 2 Roof/Electrical Conduit Box/Black Joint Tar	
20230829-FR-22A		Bldg 2 Roof/East Edge Center/Large Tar Roof Patch	
20230829-FR-22B		Bldg 2 Roof/East Edge Center/Large Tar Roof Patch	
20230829-FR-22C		Bldg 2 Roof/East Edge Center/Large Tar Roof Patch	
20230829-FR-23A		Bldg 2 Roof/East Chimney/White Caulk	
20230829-FR-23B		Bldg 2 Roof/East Chimney/White Caulk	
20230829-FR-24A		Bldg 2 Roof/East Edge Roof Vent/Silver Coating	
20230829-FR-24B		Bldg 2 Roof/East Edge Roof Vent/Silver Coating	
20230829-FR-25A		Bldg 3 Roof/North Roof Field/4 Ply Asphaltic Layers over 2" Isoform Foam	
20230829-FR-25B		Bldg 3 Roof/South Roof Field/4 Ply Asphaltic Layers over 2" Isoform Foam	
20230829-FR-26A		Bldg 3 Roof/Roof Curb North/4 Ply Asphaltic Layers over 2" Isoform Foam	
20230829-FR-26B		Bldg 3 Roof/Roof Curb South/4 Ply Asphaltic Layers over 2" Isoform Foam	
20230829-FR-27A		Bldg 3 Roof/Roof Flashing South/4 Ply Asphaltic Layers over No Isoform Foam	
20230829-FR-27B		Bldg 3 Roof/Roof Flashing North/4 Ply Asphaltic Layers over 2" Isoform Foam	
20230829-FR-28A		Bldg 3 Roof/North Roof Field/2" Black Isoform Foam Paperback	
20230829-FR-28B		Bldg 3 Roof/South Roof Field/2" Black Isoform Foam Paperback	
20230829-FR-29A		Bldg 3 Roof/North Flashing/2" Isoform Foam Paperback	
20230829-FR-29B		Bldg 3 Roof/North Flashing/2" Isoform Foam Paperback	
20230829-FR-30A		Bldg 3 Roof/South Curb/Black Paper Under Ply Build Up Over Fiberboard	
20230829-FR-30B		Bldg 3 Roof/South Curb/Black Paper Under Ply Build Up Over Fiberboard	
20230829-FR-31A		Bldg 3 Roof/South Curb/Particle/Fiberboard under Tar/Ply	
20230829-FR-31B		Bldg 3 Roof/South Curb/Particle/Fiberboard under Tar/Ply	
20230829-FR-32A		Bldg 3 Roof/North Side Flashing/Black Tar on Sheet Steel Under 2" Isoform foam	
20230829-FR-32B		Bldg 3 Roof/North Side Flashing/Black Tar on Sheet Steel Under 2" Isoform foam	
20230829-FR-33A		Bldg 3 Roof/North Side/Large Tar Roof Patch	
20230829-FR-33B		Bldg 3 Roof/North Side/Large Tar Roof Patch	
20230829-FR-34A		Bldg 3 Roof/Northside Air Vent/Silver Coat on Air Vent	
20230829-FR-34B		Bldg 3 Roof/Northside Air Vent/Silver Coat on Air Vent	
20230829-FR-35A		Bldg 4 Roof/North Field/4 Ply Black Asphaltic Layers	
20230829-FR-35B		Bldg 4 Roof/South Field/4 Ply Black Asphaltic Layers	

Accepted

Rejected

CS 8:30am 9/28 Received By

Relinquished By

20230829-FR-36A	Bldg 4 Roof/North Field/Black Foam Paper Back
20230829-FR-36B	Bldg 4 Roof/North Field/Black Foam Paper Back
20230829-FR-37A	Bldg 4 Roof/North Center Flashing/4 Ply Black Asphaltic Layers
20230829-FR-37B	Bldg 4 Roof/North Center Flashing/4 Ply Black Asphaltic Layers
20230829-FR-38A	Bldg 4 Roof/East Edge Curb/4 Ply Black Asphaltic Layers
20230829-FR-38B	Bldg 4 Roof/East Edge Curb/4 Ply Black Asphaltic Layers
20230829-FR-39A	Bldg 4 Roof/South Flashing/4 Ply Black Asphaltic Layers
20230829-FR-39B	Bldg 4 Roof/South Flashing/4 Ply Black Asphaltic Layers
20230829-FR-40A	Bldg 4 Roof/South Flashing/Black Isoform Foam Paperback under 4 Ply Asphaltic Layers
20230829-FR-40B	Bldg 4 Roof/South Flashing/Black Isoform Foam Paperback under 4 Ply Asphaltic Layers
20230829-FR-41A	Bldg 4 Roof/East Edge Curb between Bldgs 4 and 5/Fiberboard
20230829-FR-41B	Bldg 4 Roof/East Edge Curb between Bldgs 4 and 5/Fiberboard
20230829-FR-42A	Bldg 4 Roof/North Field/Black Tar on Sheet Metal under Isoform Foam
20230829-FR-42B	Bldg 4 Roof/South Field/Black Tar on Sheet Metal under Isoform Foam
20230829-FR-43A	Bldg 4 Roof/SE Vertical Seam on back of Building Sign/Gray Caulk
20230829-FR-43B	Bldg 4 Roof/SE Vertical Seam on back of Building Sign/Gray Caulk
20230829-FR-44A	Bldg 4 Roof/SW Wall/White Caulk on CMU
20230829-FR-44B	Bldg 4 Roof/NW Wall/White Caulk on CMU
20230829-FR-45A	Bldg 4 Roof/SW Wall/Black Caulk over White Caulk on CMU
20230829-FR-45B	Bldg 4 Roof/NW Wall/Black Caulk over White Caulk on CMU
20230829-FR-46A	Bldg 5 Roof/Elevated Roof Field/4 Ply Black Asphaltic Layers
20230829-FR-46B	Bldg 5 Roof/Southeast Field/4 Ply Black Asphaltic Layers
20230829-FR-46C	Bldg 5 Roof/Drop Roof South Field/4 Ply Black Asphaltic Layers
20230829-FR-47A	Bldg 5 Roof/Elevated Roof Flashing/4 Ply Black Asphaltic Layers
20230829-FR-47B	Bldg 5 Roof/SE Roof Flashing/4 Ply Black Asphaltic Layers
20230829-FR-47C	Bldg 5 Roof/Drop Roof South Flashing/4 Ply Black Asphaltic Layers
20230829-FR-48A	Bldg 5 Roof/Elevated Roof Curbing/4 Ply Black Asphaltic Layers
20230829-FR-48B	Bldg 5 Roof/South Roof Curbing /4 Ply Black Asphaltic Layers
20230829-FR-48C	Bldg 5 Roof/Drop Roof South Curbing/4 Ply Black Asphaltic Layers
20230829-FR-49A	Bldg 5 Roof/Elevated Roof Under 4 Ply Asphaltic Layers/Black Tar on Wood
20230829-FR-49B	Bldg 5 Roof/Elevated Roof Under 4 Ply Asphaltic Layers/Black Tar on Wood
20230829-FR-50A	Bldg 5 Roof/Elevated Roof Field/Paperback on Isoform Foam
20230829-FR-50B	Bldg 5 Roof/SE Roof Field/Paperback on Isoform Foam
20230829-FR-51A	Bldg 5 Roof/Drop Roof South/Fiberboard under 4 Ply Asphaltic Layers
20230829-FR-51B	Bldg 5 Roof/Drop Roof South/Fiberboard under 4 Ply Asphaltic Layers
20230829-FR-52A	Bldg 5 Roof/SE Roof Field/Tar Covering Sheet Metal Under 2" Isoform Foam
20230829-FR-52B	Bldg 5 Roof/SE Roof Field/Tar Covering Sheet Metal Under 2" Isoform Foam
20230829-FR-53A	Bldg 5 Roof/Elevated Roof Patch/Black Tar Patch
20230829-FR-53B	Bldg 5 Roof/Elevated Roof Patch/Black Tar Patch
20230829-FR-54A	Bldg 5 Roof/Raised Roof North CMU/White Caulk
20230829-FR-54B	Bldg 5 Roof/Raised Roof North CMU/White Caulk
20230829-FR-55A	Bldg 5 Roof/East Side Electrical Conduit/Black Tar
20230829-FR-55B	Bldg 5 Roof/East Side Electrical Conduit/Black Tar
20230829-FR-56A	Bldg 5 Roof/NE Lower North Roof Field/4 Ply Black Asphaltic Layers
20230829-FR-56B	Bldg 5 Roof/NW Lower North Roof Field/4 Ply Black Asphaltic Layers
20230829-FR-57A	Bldg 5 Roof/NE Lower North Roof Flashing/4 Ply Black Asphaltic Layers
20230829-FR-57B	Bldg 5 Roof/NW Lower North Roof Flashing/4 Ply Black Asphaltic Layers
20230829-FR-58A	Bldg 5 Roof/Lower North Roof-NE Wall/White Caulk along Wall
20230829-FR-58B	Bldg 5 Roof/Lower North Roof-NW Wall/White Caulk along Wall
20230829-FR-59A	Bldg 5 Roof/NW Lower North Roof Curb/Black Tar Fiber back
20230829-FR-59B	Bldg 5 Roof/NW Lower North Roof Curb/Black Tar Fiber back
20230829-FR-60A	Bldg 5 Roof/Upper Canopy Field-East/4 Ply Black Asphaltic Layers
20230829-FR-60B	Bldg 5 Roof/Upper Canopy Field-West/4 Ply Black Asphaltic Layers
20230829-FR-61A	Bldg 5 Roof/Upper Canopy Flashing-East/4 Ply Black Asphaltic Layers
20230829-FR-61B	Bldg 5 Roof/Upper Canopy Flashing-West/4 Ply Black Asphaltic Layers
20230829-FR-62A	Bldg 5 Roof/Lower Canopy Field-East/Black Tarpaper Over Tar
20230829-FR-62B	Bldg 5 Roof/Lower Canopy Field-West/Black Tarpaper Over Tar
20230829-FR-63A	Bldg 5 Roof/Lower Canopy Field-East/Black Tar Under Tarpaper
20230829-FR-63B	Bldg 5 Roof/Lower Canopy Field-West/Black Tar Under Tarpaper
20230829-FR-64A	Bldg 5 Roof/Lower Canopy Flashing-East/4 Ply Black Asphaltic Layers
20230829-FR-64B	Bldg 5 Roof/Lower Canopy Flashing-West/4 Ply Black Asphaltic Layers
20230829-FR-65A	Bldg 5 Roof/Lower Canopy-West/Silver Tarpaper Over 4 Ply Asphaltic Layers
20230829-FR-65B	Bldg 5 Roof/Lower Canopy-West/Silver Tarpaper Over 4 Ply Asphaltic Layers

Total # of Samples

139

Relinquished by	Date/Time	Received by	Date/Time

Relinquished By

Received By

## Appendix D

---

### Site Photographs



Buildings 1, 2, 3, 4 – representative ACM light grey cementitious perforated panel ceiling of walkway canopy roof



Buildings 1, 2, 3, 4 – representative ACM light grey cementitious perforated panel ceiling of walkway canopy roof



Building 2 - ACM horizontal joint caulks - grey original and white repair caulk



Building 2,3,4,5 – Representative ACM four ply asphaltic roof membrane



## Appendix E

---

### XRF Lead Determination Field Data Sheets

# Silver Lane

146 Hartford Rd, Manchester, CT  
06042

INSPECTION SITE: 818 Silver Lane, East Hartford, CT  
INSPECTION DATE: 8/31/2023 - 8/31/2023  
REPORT NUMBER: 20230389.A10  
INSTRUMENT TYPE: Viken Detection  
Pb200i XRF Lead Paint Analyzer  
2171  
ACTION LEVEL: 1.0 (mg/cm<sup>2</sup>)  
STATEMENT: Readings for Buildings

# Silver Lane

Inspection Date: 8/31/2023 - 8/31/2023  
 Action Level: 1.0 (mg/cm<sup>2</sup>)  
 Report Number: 20230389.A10  
 Total Readings: 193  
 Unit Started: 08/31/2023 09:39:33  
 Unit Ended: 08/31/2023 12:08:01

Inspection Site: 818 Silver Lane, East Hartford, CT

Read #	Result	RTA Present	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Color	Lead (mg/cm <sup>2</sup> )	Mode
283	Negative	Off	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			0.9 mg/cm <sup>2</sup>	Action Level
284	Positive	Off	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			1.0 mg/cm <sup>2</sup>	Action Level
285	Negative	Off	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			0.9 mg/cm <sup>2</sup>	Action Level
286	Negative	Off	Common	common area open floor	Room	Wall	Drywall	C		0.1 mg/cm <sup>2</sup>	Action Level
287	Negative	Off	Common	common area open floor	Room	Wall	Wood	B	White	0.1 mg/cm <sup>2</sup>	Action Level
288	Negative	Off	Common	common area open floor	Room	Wall	Drywall	B	White	0.1 mg/cm <sup>2</sup>	Action Level
289	Negative	Off	Common	common area open floor	Room	Wall	Wood	B	White	0.1 mg/cm <sup>2</sup>	Action Level
290	Negative	Off	Common	common area open floor	Room	Wall	Concrete	B	White	0.4 mg/cm <sup>2</sup>	Action Level
291	Negative	Off	Common	common area open floor	Room	Wall	Wood	B	White	0.2 mg/cm <sup>2</sup>	Action Level
292	Negative	Off	Common	common area open floor	Column		Drywall	B	White	0.0 mg/cm <sup>2</sup>	Action Level
293	Negative	Off	Common	common area open floor	Room		Drywall	B	White	0.2 mg/cm <sup>2</sup>	Action Level
294	Negative	Off	Common	common area open floor	Column		Metal	B	White	0.1 mg/cm <sup>2</sup>	Action Level
295	Negative	Off	Common	common area open floor	Door		Wood	B	White	0.1 mg/cm <sup>2</sup>	Action Level
296	Negative	Off	Common	common area open floor	Room	Wall	Drywall	B	White	0.1 mg/cm <sup>2</sup>	Action Level
297	Negative	Off	Common	common area open floor	Room	Wall	Concrete	B	White	0.2 mg/cm <sup>2</sup>	Action Level
298	Negative	Off	Common	common area open floor	Room	Wall	Wood	B	White	0.0 mg/cm <sup>2</sup>	Action Level
299	Negative	Off	Common	common area open floor	Room	Wall	Concrete	B	White	0.1 mg/cm <sup>2</sup>	Action Level
300	Negative	Off	Common	common area open floor	Room	Wall	Drywall	A	White	0.1 mg/cm <sup>2</sup>	Action Level

# Silver Lane

Inspection Date: 8/31/2023 - 8/31/2023  
 Action Level: 1.0 (mg/cm<sup>2</sup>)  
 Report Number: 20230389.A10  
 Total Readings: 193  
 Unit Started: 08/31/2023 09:39:33  
 Unit Ended: 08/31/2023 12:08:01

Inspection Site: 818 Silver Lane, East Hartford, CT

Read #	Result	RTA Present	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Color	Lead (mg/cm <sup>2</sup> )	Mode
301	Negative	Off	Common	common area open floor	Room	Wall	Wood	A	White	0.2 mg/cm <sup>2</sup>	Action Level
302	Negative	Off	Common	common area open floor	Column		Metal	A	White	0.2 mg/cm <sup>2</sup>	Action Level
303	Negative	Off	Common	common area open floor	Door	Frame	Wood	A	White	0.1 mg/cm <sup>2</sup>	Action Level
304	Negative	Off	Common	common area open floor	Room	Wall	Concrete	A	White	0.2 mg/cm <sup>2</sup>	Action Level
305	Negative	Off	Common	common area open floor	Door	---	Wood	A	Red	0.1 mg/cm <sup>2</sup>	Action Level
306	Negative	Off	Common	common area open floor	Room	Wall	Wood	A	White	0.0 mg/cm <sup>2</sup>	Action Level
307	Negative	Off	Common	common area open floor	Room	Wall	Drywall	B	White	0.0 mg/cm <sup>2</sup>	Action Level
308	Negative	Off	Common	common area open floor	Door	Header	Wood	B	Blue	0.0 mg/cm <sup>2</sup>	Action Level
309	Negative	Off	Common	common area open floor	Room	Wall	Wood	A	White	0.2 mg/cm <sup>2</sup>	Action Level
310	Negative	Off	Common	common area open floor	Column		Metal	A	White	0.2 mg/cm <sup>2</sup>	Action Level
311	Negative	Off	Common	common area open floor	Room	Wall	Wood	D	White	0.2 mg/cm <sup>2</sup>	Action Level
312	Negative	Off	Common	common area open floor	Door		Metal	D	White	0.2 mg/cm <sup>2</sup>	Action Level
313	Negative	Off	Common	common area open floor	Door	Frame	Wood	D	White	0.3 mg/cm <sup>2</sup>	Action Level
314	Negative	Off	Common	common area open floor	Cabinets		Wood	D	Blue	0.1 mg/cm <sup>2</sup>	Action Level
315	Negative	Off	Common	common area open floor	Room	Wall	Wood	D	Blue	0.2 mg/cm <sup>2</sup>	Action Level
316	Negative	Off	Common	common area open floor	Room	Wall	Wood	D	Blue	0.1 mg/cm <sup>2</sup>	Action Level
317	Negative	Off	Common	common area open floor	Room	Wall	Wood	D	White	0.2 mg/cm <sup>2</sup>	Action Level
318	Negative	Off	Common	common area open floor	Room	Wall	Wood	D	White	0.1 mg/cm <sup>2</sup>	Action Level

# Silver Lane

Inspection Date: 8/31/2023 - 8/31/2023  
 Action Level: 1.0 (mg/cm<sup>2</sup>)  
 Report Number: 20230389.A10  
 Total Readings: 193  
 Unit Started: 08/31/2023 09:39:33  
 Unit Ended: 08/31/2023 12:08:01

Inspection Site: 818 Silver Lane, East Hartford, CT

Read #	Result	RTA Present	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Color	Lead (mg/cm <sup>2</sup> )	Mode
319	Negative	Off	Common	common area open floor	Room	Wall	Concrete	A	White	0.0 mg/cm <sup>2</sup>	Action Level
320	Negative	Off	Common	common area open floor	Door	---	Metal	A	White	0.1 mg/cm <sup>2</sup>	Action Level
321	Negative	Off	Common	common area open floor	Door	Frame	Metal	A	White	0.4 mg/cm <sup>2</sup>	Action Level
322	Positive	Off	Common	common area open floor	Room	Wall	Brick	A	White	7.5 mg/cm <sup>2</sup>	Action Level
323	Positive	Off	Common	common area open floor	Room	Wall	Brick	A	White	7.5 mg/cm <sup>2</sup>	Action Level
324	Positive	Off	Common	common area open floor	Room	Wall	Brick	A	White	4.9 mg/cm <sup>2</sup>	Action Level
325	Positive	Off	Common	common area open floor	Room	Wall	Brick	A	White	7.5 mg/cm <sup>2</sup>	Action Level
326	Positive	Off	Common	common area open floor	Room	Wall	Brick	A	White	7.1 mg/cm <sup>2</sup>	Action Level
327	Negative	Off	Common	Room # 1	Room	Wall	Brick	B	White	0.1 mg/cm <sup>2</sup>	Action Level
328	Negative	Off	Common	Room # 1	Room	Wall	Brick	B	White	0.1 mg/cm <sup>2</sup>	Action Level
329	Negative	Off	Common	Room # 1	Room	Wall	Drywall	B	White	0.1 mg/cm <sup>2</sup>	Action Level
330	Negative	Off	Common	Room # 1	Room	Wall	Drywall	B	White	0.1 mg/cm <sup>2</sup>	Action Level
331	Negative	Off	Common	Room # 1	Door	Frame	Wood	B	White	0.1 mg/cm <sup>2</sup>	Action Level
332	Negative	Off	Common	Room # 1	Door	---	Wood	B	White	0.1 mg/cm <sup>2</sup>	Action Level
333	Negative	Off	Common	Room # 1	Door	Frame	Wood	B	White	0.1 mg/cm <sup>2</sup>	Action Level
334	Negative	Off	Common	Room # 1	Room	Wall	Drywall	B	White	0.1 mg/cm <sup>2</sup>	Action Level
335	Negative	Off	Common	Room # 1	Room	Wall	Drywall	B	White	0.1 mg/cm <sup>2</sup>	Action Level
336	Negative	Off	Common	Room # 1	Room	Wall	Wood	B	White	0.1 mg/cm <sup>2</sup>	Action Level

# Silver Lane

Inspection Date: 8/31/2023 - 8/31/2023  
 Action Level: 1.0 (mg/cm<sup>2</sup>)  
 Report Number: 20230389.A10  
 Total Readings: 193  
 Unit Started: 08/31/2023 09:39:33  
 Unit Ended: 08/31/2023 12:08:01

Inspection Site: 818 Silver Lane, East Hartford, CT

Read #	Result	RTA Present	Room	-->RoomChoice	Structure	-- >Member	Substrate	Wall	Color	Lead (mg/cm <sup>2</sup> )	Mode
337	Negative	Off	Common	Room #2	Door	Frame	Wood	B	White	0.1 mg/cm <sup>2</sup>	Action Level
338	Negative	Off	Common	Room #2	Door	Frame	Wood	B	White	0.1 mg/cm <sup>2</sup>	Action Level
339	Negative	Off	Common	Room #2	Room	Wall	Drywall	B	White	0.2 mg/cm <sup>2</sup>	Action Level
340	Negative	Off	Common	Room #2	Room	Wall	Drywall	B	White	0.2 mg/cm <sup>2</sup>	Action Level
341	Negative	Off	Common	Room #3	Door	Frame	Wood	B	White	0.0 mg/cm <sup>2</sup>	Action Level
342	Negative	Off	Common	Room #3	Room	Wall	Drywall	B	White	0.2 mg/cm <sup>2</sup>	Action Level
343	Negative	Off	Common	Room #3	Room	Wall	Drywall	B	White	0.2 mg/cm <sup>2</sup>	Action Level
344	Negative	Off	Common	Room #3	Room	Wall	Concrete	B	White	0.3 mg/cm <sup>2</sup>	Action Level
345	Negative	Off	Common	Bathroom #1	Door	Frame	Wood	D	White	0.2 mg/cm <sup>2</sup>	Action Level
346	Negative	Off	Common	Bathroom #1	Door	---	Wood	D	White	0.1 mg/cm <sup>2</sup>	Action Level
347	Negative	Off	Common	Bathroom #1	Room	Wall	Concrete	A	White	0.3 mg/cm <sup>2</sup>	Action Level
348	Negative	Off	Common	Bathroom #1	Room	Wall	Concrete	D	White	0.0 mg/cm <sup>2</sup>	Action Level
349	Negative	Off	Common	Bathroom #1	Door	---	Metal	C	Gray	0.1 mg/cm <sup>2</sup>	Action Level
350	Negative	Off	Common	Bathroom #2	Door	Frame	Wood	B	Gray	0.2 mg/cm <sup>2</sup>	Action Level
351	Negative	Off	Common	Bathroom #2	Door		Wood	B	White	0.2 mg/cm <sup>2</sup>	Action Level
352	Negative	Off	Common	Bathroom #2	Room	Wall	Concrete	A	White	0.2 mg/cm <sup>2</sup>	Action Level
353	Negative	Off	Common	Bathroom #2	Door		Metal	B	White	0.1 mg/cm <sup>2</sup>	Action Level
354	Negative	Off	Common	Bathroom #2	Room	Wall	Concrete	B	White	0.1 mg/cm <sup>2</sup>	Action Level

# Silver Lane

Inspection Date: 8/31/2023 - 8/31/2023  
 Action Level: 1.0 (mg/cm<sup>2</sup>)  
 Report Number: 20230389.A10  
 Total Readings: 193  
 Unit Started: 08/31/2023 09:39:33  
 Unit Ended: 08/31/2023 12:08:01

Inspection Site: 818 Silver Lane, East Hartford, CT

Read #	Result	RTA Present	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Color	Lead (mg/cm <sup>2</sup> )	Mode
355	Negative	Off	Common	Bathroom #2	Room	Wall	Concrete	C	White	0.0 mg/cm <sup>2</sup>	Action Level
356	Negative	Off	Common	Room #4	Door	---	Wood	B	White	0.1 mg/cm <sup>2</sup>	Action Level
357	Negative	Off	Common	Room #4	Door	Frame	Metal	B	White	0.1 mg/cm <sup>2</sup>	Action Level
358	Negative	Off	Common	Room #4	Room	Wall	Concrete	B	White	0.2 mg/cm <sup>2</sup>	Action Level
359	Negative	Off	Common	Room #4	Door	Frame	Metal	B	Gray	0.6 mg/cm <sup>2</sup>	Action Level
360	Negative	Off	Common	common area open floor	Column		Metal	A	White	0.2 mg/cm <sup>2</sup>	Action Level
361	Negative	Off	Common	common area open floor	Room	Wall	Drywall	A	Blue	0.2 mg/cm <sup>2</sup>	Action Level
362	Negative	Off	Common	common area open floor	Room	Wall	Drywall	D	Blue	0.1 mg/cm <sup>2</sup>	Action Level
363	Negative	Off	Common	common area open floor	Room	Wall	Drywall	D	White	0.1 mg/cm <sup>2</sup>	Action Level
364	Negative	Off	Common	common area open floor	Room	Wall	Drywall	D	Blue	0.2 mg/cm <sup>2</sup>	Action Level
365	Negative	Off	Common	common area open floor	Room	Wall	Drywall	D	Blue	0.1 mg/cm <sup>2</sup>	Action Level
366	Negative	Off	Common	common area open floor	Electric Panel	Door	Metal	D	Blue	0.1 mg/cm <sup>2</sup>	Action Level
367	Negative	Off	Common	common area open floor	Electric Panel	Frame	Metal	D	Blue	0.0 mg/cm <sup>2</sup>	Action Level
368	Negative	Off	Common	common area open floor	Door	Frame	Wood	D	Blue	0.0 mg/cm <sup>2</sup>	Action Level
369	Negative	Off	Common	Room #1	Room	Wall	Wood	D	White	0.2 mg/cm <sup>2</sup>	Action Level
370	Negative	Off	Common	Room #1	Room	Wall	Wood	C	White	0.1 mg/cm <sup>2</sup>	Action Level
371	Negative	Off	Common	Room #1	Room	Wall	Drywall	C	Blue	0.2 mg/cm <sup>2</sup>	Action Level
372	Negative	Off	Common	Room #1	Room	Wall	Drywall	B	Blue	0.2 mg/cm <sup>2</sup>	Action Level

# Silver Lane

Inspection Date: 8/31/2023 - 8/31/2023  
 Action Level: 1.0 (mg/cm<sup>2</sup>)  
 Report Number: 20230389.A10  
 Total Readings: 193  
 Unit Started: 08/31/2023 09:39:33  
 Unit Ended: 08/31/2023 12:08:01

Inspection Site: 818 Silver Lane, East Hartford, CT

Read #	Result	RTA Present	Room	-->RoomChoice	Structure	-- >Member	Substrate	Wall	Color	Lead (mg/cm <sup>2</sup> )	Mode
373	Negative	Off	Common	Room #1	Window	Frame	Wood	A	Blue	0.0 mg/cm <sup>2</sup>	Action Level
374	Negative	Off	Common	common area open floor	Room	Wall	Drywall	B	Blue	0.1 mg/cm <sup>2</sup>	Action Level
375	Negative	Off	Common	common area open floor	Room	Wall	Drywall	C	Black	0.2 mg/cm <sup>2</sup>	Action Level
376	Negative	Off	Common	Room #2	Door	Frame	Wood	C	Gray	0.1 mg/cm <sup>2</sup>	Action Level
377	Negative	Off	Common	Room #2	Door	---	Wood	C	Blue	0.2 mg/cm <sup>2</sup>	Action Level
378	Negative	Off	Common	Room #2	Room	Wall	Drywall	A	Blue	0.1 mg/cm <sup>2</sup>	Action Level
379	Negative	Off	Common	Room #2	Room	Wall	Drywall	C	Blue	0.1 mg/cm <sup>2</sup>	Action Level
380	Negative	Off	Common	Room #3	Door	Frame	Metal	C	Gray	0.2 mg/cm <sup>2</sup>	Action Level
381	Negative	Off	Common	Room #3	Door	Frame	Metal	C	Gray	0.2 mg/cm <sup>2</sup>	Action Level
382	Negative	Off	Common	common area open floor	Column		Metal	C	Black	0.1 mg/cm <sup>2</sup>	Action Level
383	Negative	Off	Common	Room #3	Door	Frame	Metal	C	Gray	0.2 mg/cm <sup>2</sup>	Action Level
384	Negative	Off	Common	Room #4	Door	Frame	Wood	B	White	0.1 mg/cm <sup>2</sup>	Action Level
385	Negative	Off	Common	common area open floor	Room	Wall	Drywall	B	Blue	0.0 mg/cm <sup>2</sup>	Action Level
386	Negative	Off	Common	Room #4	Door	---	Metal	B	Gray	0.0 mg/cm <sup>2</sup>	Action Level
387	Negative	Off	Common	Bathroom #1	Door	---	Wood	B	Gray	0.1 mg/cm <sup>2</sup>	Action Level
388	Negative	Off	Common	Bathroom #1	Door	Frame	Wood	B	White	0.2 mg/cm <sup>2</sup>	Action Level
389	Negative	Off	Common	Bathroom #1	Room	Wall	Drywall	B	White	0.1 mg/cm <sup>2</sup>	Action Level
390	Negative	Off	Common	Bathroom #1	Room	Wall	Drywall	A	White	0.1 mg/cm <sup>2</sup>	Action Level



# Silver Lane

Inspection Date: 8/31/2023 - 8/31/2023  
 Action Level: 1.0 (mg/cm<sup>2</sup>)  
 Report Number: 20230389.A10  
 Total Readings: 193  
 Unit Started: 08/31/2023 09:39:33  
 Unit Ended: 08/31/2023 12:08:01

Inspection Site: 818 Silver Lane, East Hartford, CT

Read #	Result	RTA Present	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Color	Lead (mg/cm <sup>2</sup> )	Mode
391	Negative	Off	Common	Bathroom #1	Room	Wall	Drywall	C	White	0.2 mg/cm <sup>2</sup>	Action Level
392	Negative	Off	Common	common area open floor	Door	---	Wood	A	Blue	0.2 mg/cm <sup>2</sup>	Action Level
393	Negative	Off	Common	Room #4	Room	Wall	Drywall	A	White	0.1 mg/cm <sup>2</sup>	Action Level
394	Negative	Off	Common	Room #4	Room	Wall	Metal	A	Green	0.1 mg/cm <sup>2</sup>	Action Level
395	Negative	Off	Common	Room #5	Door	Frame	Wood	D	White	0.1 mg/cm <sup>2</sup>	Action Level
396	Negative	Off	Common	Room #5	Room	Wall	Drywall	A	Green	0.2 mg/cm <sup>2</sup>	Action Level
397	Negative	Off	Common	Room #5	Room	Wall	Metal	A	Green	0.1 mg/cm <sup>2</sup>	Action Level
398	Negative	Off	Common	Bathroom #2	Room	Wall	Drywall	A	Green	0.2 mg/cm <sup>2</sup>	Action Level
399	Negative	Off	Common	2nd Floor Hallway	Room	Wall	Drywall	A	Blue	0.1 mg/cm <sup>2</sup>	Action Level
400	Negative	Off	Common	2nd Floor Hallway	Door	Frame	Wood	A	Blue	0.2 mg/cm <sup>2</sup>	Action Level
401	Negative	Off	Common	2nd Floor Hallway	Electric Panel	Door	Wood	A	Blue	0.1 mg/cm <sup>2</sup>	Action Level
402	Negative	Off	Common	2nd Floor Hallway	Electric Panel	Frame	Wood	A	Blue	0.1 mg/cm <sup>2</sup>	Action Level
403	Negative	Off	Common	Room #6	Door	Frame	Wood	A	White	0.2 mg/cm <sup>2</sup>	Action Level
404	Negative	Off	Common	Room #6	Door	---	Wood	A	White	0.1 mg/cm <sup>2</sup>	Action Level
405	Negative	Off	Common	Room #6	Room	Wall	Drywall	D	Red	0.0 mg/cm <sup>2</sup>	Action Level
406	Negative	Off	Common	Room #7	Door	---	Wood	C	White	0.1 mg/cm <sup>2</sup>	Action Level
407	Negative	Off	Common	Room #7	Door	Frame	Wood	C	White	0.1 mg/cm <sup>2</sup>	Action Level
408	Negative	Off	Common	Room #7	Room	Wall	Drywall	B	White	0.2 mg/cm <sup>2</sup>	Action Level

# Silver Lane

Inspection Date: 8/31/2023 - 8/31/2023  
 Action Level: 1.0 (mg/cm<sup>2</sup>)  
 Report Number: 20230389.A10  
 Total Readings: 193  
 Unit Started: 08/31/2023 09:39:33  
 Unit Ended: 08/31/2023 12:08:01

Inspection Site: 818 Silver Lane, East Hartford, CT

Read #	Result	RTA Present	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Color	Lead (mg/cm <sup>2</sup> )	Mode
409	Negative	Off	Common	Room #7	Room	Wall	Drywall	D	White	0.2 mg/cm <sup>2</sup>	Action Level
410	Negative	Off	Common	common area open floor	Room	Wall	Drywall	B	White	0.2 mg/cm <sup>2</sup>	Action Level
411	Negative	Off	Common	common area open floor	Pipe	Horizontal	Metal	B	Red	0.0 mg/cm <sup>2</sup>	Action Level
412	Negative	Off	Common	common area open floor	Door	---	Wood	B	Yellow	0.1 mg/cm <sup>2</sup>	Action Level
413	Negative	Off	Common	common area open floor	Door	Frame	Wood	B	Yellow	0.1 mg/cm <sup>2</sup>	Action Level
414	Negative	Off	Common	common area open floor	Room		Drywall	A	White	0.2 mg/cm <sup>2</sup>	Action Level
415	Negative	Off	Common	common area open floor	Room	Wall	Concrete	D	Yellow	0.0 mg/cm <sup>2</sup>	Action Level
416	Negative	Off	Common	common area open floor	Room	Wall	Drywall	B	Yellow	0.2 mg/cm <sup>2</sup>	Action Level
417	Negative	Off	Common	common area open floor	Door	---	Drywall	A	Gray	0.0 mg/cm <sup>2</sup>	Action Level
418	Negative	Off	Common	common area open floor	Door	---	Metal	A	Gray	0.0 mg/cm <sup>2</sup>	Action Level
419	Negative	Off	Common	common area open floor	Door	Frame	Metal	A	Gray	0.0 mg/cm <sup>2</sup>	Action Level
420	Negative	Off	Common	1st Floor Hallway	Room	Wall	Drywall	B	Brown	0.1 mg/cm <sup>2</sup>	Action Level
421	Negative	Off	Common	Room #1	Room	Wall	Drywall	C	Yellow	0.1 mg/cm <sup>2</sup>	Action Level
422	Negative	Off	Common	Room #1	Column		Drywall		Red	0.1 mg/cm <sup>2</sup>	Action Level
423	Negative	Off	Common	1st Floor Hallway	Door	---	Metal		Brown	0.0 mg/cm <sup>2</sup>	Action Level
424	Negative	Off	Common	1st Floor Hallway	Door	Frame	Metal		Brown	0.4 mg/cm <sup>2</sup>	Action Level
425	Negative	Off	Common	Hallway	Room	Wall	Concrete		Brown	0.0 mg/cm <sup>2</sup>	Action Level
426	Negative	Off	Common	Room #2	Room	Wall	Drywall	B	Brown	0.2 mg/cm <sup>2</sup>	Action Level

# Silver Lane

Inspection Date: 8/31/2023 - 8/31/2023  
 Action Level: 1.0 (mg/cm<sup>2</sup>)  
 Report Number: 20230389.A10  
 Total Readings: 193  
 Unit Started: 08/31/2023 09:39:33  
 Unit Ended: 08/31/2023 12:08:01

Inspection Site: 818 Silver Lane, East Hartford, CT

Read #	Result	RTA Present	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Color	Lead (mg/cm <sup>2</sup> )	Mode
427	Negative	Off	Common	Room #3	Room	Wall	Drywall	D	Brown	0.1 mg/cm <sup>2</sup>	Action Level
428	Negative	Off	Common	Hallway	Access Panel	Door	Metal	C	Green	0.2 mg/cm <sup>2</sup>	Action Level
429	Negative	Off	Common	Hallway	Access Panel	Frame	Metal	C	Green	0.1 mg/cm <sup>2</sup>	Action Level
430	Negative	Off	Common	Stairwell	Stair	Railing	Metal	C	Brown	0.0 mg/cm <sup>2</sup>	Action Level
431	Negative	Off	Common	2nd Floor Hallway	Door	---	Metal	A	Brown	0.2 mg/cm <sup>2</sup>	Action Level
432	Negative	Off	Common	2nd Floor Hallway	Door	Frame	Metal	A	Brown	0.0 mg/cm <sup>2</sup>	Action Level
433	Negative	Off	Common	2nd Floor Hallway	Room	Wall	Concrete	A	Brown	0.0 mg/cm <sup>2</sup>	Action Level
434	Negative	Off	Common	Bathroom #1	Room	Wall	Concrete	A	Brown	0.1 mg/cm <sup>2</sup>	Action Level
435	Negative	Off	Common	Bathroom #1	Door	---	Metal	A	Brown	0.1 mg/cm <sup>2</sup>	Action Level
436	Negative	Off	Common	Bathroom #1	Door	Frame	Wood	A	Brown	0.1 mg/cm <sup>2</sup>	Action Level
437	Negative	Off	Common	Bathroom #2	Door	---	Wood	C	Brown	0.1 mg/cm <sup>2</sup>	Action Level
438	Negative	Off	Common	Bathroom #2	Door	Frame	Wood	C	Brown	0.1 mg/cm <sup>2</sup>	Action Level
439	Negative	Off	Common	Room #3	Room	Wall	Drywall	C	White	0.1 mg/cm <sup>2</sup>	Action Level
440	Negative	Off	Common	Room #3	Window	Sill	Concrete	C	White	0.4 mg/cm <sup>2</sup>	Action Level
441	Negative	Off	Common	Room #3	Window	Sill	Concrete	C	White	0.2 mg/cm <sup>2</sup>	Action Level
442	Negative	Off	Common	2nd Floor Hallway	Pipe	Vertical	Metal	A	Brown	0.2 mg/cm <sup>2</sup>	Action Level
443	Negative	Off	Common	Room #4	Window	Sill	Concrete	C	Brown	0.2 mg/cm <sup>2</sup>	Action Level
444	Negative	Off	Common	Room #4	Window	Frame	Metal	C	Brown	0.2 mg/cm <sup>2</sup>	Action Level

# Silver Lane

Inspection Date: 8/31/2023 - 8/31/2023  
 Action Level: 1.0 (mg/cm<sup>2</sup>)  
 Report Number: 20230389.A10  
 Total Readings: 193  
 Unit Started: 08/31/2023 09:39:33  
 Unit Ended: 08/31/2023 12:08:01

Inspection Site: 818 Silver Lane, East Hartford, CT

Read #	Result	RTA Present	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Color	Lead (mg/cm <sup>2</sup> )	Mode
445	Negative	Off	Common	Room #5	Door	---	Wood		Green	0.1 mg/cm <sup>2</sup>	Action Level
446	Negative	Off	Common	Room #5	Door	Frame	Wood		Green	0.0 mg/cm <sup>2</sup>	Action Level
447	Negative	Off	Common	Room #5	Room	Wall	Wood	D	Green	0.0 mg/cm <sup>2</sup>	Action Level
448	Negative	Off	Common	common area open floor	Room	Wall	Brick	A	White	0.2 mg/cm <sup>2</sup>	Action Level
449	Negative	Off	Common	common area open floor	Pipe	Vertical	Metal	A	White	0.5 mg/cm <sup>2</sup>	Action Level
450	Negative	Off	Common	common area open floor	Room	Wall	Drywall	D	White	0.1 mg/cm <sup>2</sup>	Action Level
451	Positive	Off	Common	common area open floor	Column		Metal		White	1.2 mg/cm <sup>2</sup>	Action Level
452	Negative	Off	Common	common area open floor	I-Beam		Metal		White	0.4 mg/cm <sup>2</sup>	Action Level
453	Negative	Off	Common	common area open floor	Pipe	Vertical	Metal		White	0.1 mg/cm <sup>2</sup>	Action Level
454	Negative	Off	Common	common area open floor	Room	Wall	Drywall	B	White	0.0 mg/cm <sup>2</sup>	Action Level
455	Negative	Off	Common	Room #1	Door	Frame	Metal	A	White	0.1 mg/cm <sup>2</sup>	Action Level
456	Negative	Off	Common	Room #1	Room	Wall	Concrete	B	White	0.2 mg/cm <sup>2</sup>	Action Level
457	Negative	Off	Common	Room #1	Pipe	Vertical	Metal	B	White	0.1 mg/cm <sup>2</sup>	Action Level
458	Negative	Off	Common	Room #2	Door	Frame	Metal	B	White	0.2 mg/cm <sup>2</sup>	Action Level
459	Negative	Off	Common	Room #2	Room	Wall	Concrete	B	Brown	0.2 mg/cm <sup>2</sup>	Action Level
460	Negative	Off	Common	1st Floor Hallway	Door	---	Metal	B	White	0.0 mg/cm <sup>2</sup>	Action Level
461	Negative	Off	Common	1st Floor Hallway	Door	Frame	Metal	B	White	0.1 mg/cm <sup>2</sup>	Action Level
462	Negative	Off	Common	1st Floor Hallway	Room	Wall	Concrete	A	White	0.2 mg/cm <sup>2</sup>	Action Level

# Silver Lane

Inspection Date: 8/31/2023 - 8/31/2023  
 Action Level: 1.0 (mg/cm<sup>2</sup>)  
 Report Number: 20230389.A10  
 Total Readings: 193  
 Unit Started: 08/31/2023 09:39:33  
 Unit Ended: 08/31/2023 12:08:01

Inspection Site: 818 Silver Lane, East Hartford, CT

Read #	Result	RTA Present	Room	-->RoomChoice	Structure	-- >Member	Substrate	Wall	Color	Lead (mg/cm <sup>2</sup> )	Mode
463	Negative	Off	Common	1st Floor Hallway	Door	---	Metal	C	Green	0.0 mg/cm <sup>2</sup>	Action Level
464	Negative	Off	Common	1st Floor Hallway	Door	Frame	Metal	C	Gray	0.5 mg/cm <sup>2</sup>	Action Level
465	Negative	Off	Common	Room #3	Door	---	Metal	C	White	0.3 mg/cm <sup>2</sup>	Action Level
466	Negative	Off	Common	Room #3	Door	Frame	Metal	C	White	0.3 mg/cm <sup>2</sup>	Action Level
467	Negative	Off	Common	Room #3	Room	Wall	Drywall	C	White	0.1 mg/cm <sup>2</sup>	Action Level
468	Negative	Off	Common	Bathroom #1	Door	---	Metal	C	Yellow	0.1 mg/cm <sup>2</sup>	Action Level
469	Negative	Off	Common	Bathroom #1	Door	Frame	Metal	C	Yellow	0.1 mg/cm <sup>2</sup>	Action Level
470	Negative	Off	Common	Bathroom #1	Room	Wall	Drywall	C	White	0.2 mg/cm <sup>2</sup>	Action Level
471	Negative	Off	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			0.9 mg/cm <sup>2</sup>	Action Level
472	Negative	Off	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			0.8 mg/cm <sup>2</sup>	Action Level
473	Negative	Off	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			0.6 mg/cm <sup>2</sup>	Action Level
474	Negative	Off	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			0.0 mg/cm <sup>2</sup>	Action Level
475	Positive	Off	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			1.0 mg/cm <sup>2</sup>	Action Level

----- END OF READINGS -----

## Appendix F

---

### Waste Characterization Laboratory Report and Chain of Custody Form

Client: Mr. Carlos Texidor  
Fuss & ONeill Inc  
59 Elm Street, Suite 500  
New Haven, CT 06510

# Analytical Report

## CET# 23J0821



Report Date: October 27, 2023  
Project: Capital Region Development, 818 Silver Ln, E Htfd  
Project Number: 20230389.A10

Connecticut Laboratory Certificate: PH 0116  
Massachusetts Laboratory Certificate: M-CT903  
Rhode Island Laboratory Certificate: 199



New York NELAP Accreditation: 11982  
Pennsylvania Certificate: 68-02927

CET # : 23J0821

Project: Capital Region Development, 818 Silver Ln, E Htfd

Project Number: 20230389.A10

**SAMPLE SUMMARY**

The sample(s) were received at 22.5°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
10.25 PB01	23J0821-01	Solid	10/25/2023	10/26/2023

**Analyte: TCLP Lead [EPA 6020A]**

**Analyst: SS**

**Prep: EPA 3005A-1311**

**Matrix: Extract**

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
23J0821-01	10.25 PB01	ND	0.013	mg/L	1	BJ32742	10/27/2023	10/27/2023 14:01	



CET # : 23J0821

Project: Capital Region Development, 818 Silver Ln, E Htfd

Project Number: 20230389.A10

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Timothy Fusco



David Ditta  
Laboratory Director



Project Manager

This report shall not be reproduced except in full, without the written approval of the laboratory

Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- + - The Surrogate was diluted out.
- \*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- \*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- \*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- \*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- \*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit

Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

CET # : 23J0821

Project: Capital Region Development, 818 Silver Ln, E Htfd

Project Number: 20230389.A10

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
---------	----------------

*EPA 6020A in Water*

Lead	CT
------	----

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2024



FUSS & O'NEILL



23J0821

www.fando.com

146 Hartford Road, Manchester, CT 06040

(860) 646-2469 Fax (860) 649-6883

SAMPLE LOG FOR TCLP BULKS

Sheet No. 1 of 1

Project Name: Capital Region Development Authority Project Number: 20230399.A10
Building: 818 Silver Lane East Hartford, CT Project Manager: Carlos Texidor

Table with 5 columns: Sample ID Number, Sample Location/Building, Material Type, Result (ppm), Lab Number. Row 1: 10.25 PB 01, Buildings 1-5, Composite.

Analysis Method: TCLP Lead

Turnaround Time 24 hrs

Based on the turnaround time indicated above, analyses are due to Fuss & O'Neill on or before this date:
Please call the Fuss & O'Neill EnviroScience laboratory at 860-646-2469 if analyses will be late.

Fax Results To: Fuss & O'Neill Laboratory at 888-838-1160

Special Instructions:

Samples Collected By: Paul Beckman Date: 10/25/23 Time:
Samples Rec'd/Sent By: Paul Beckman Date: 10/25/23 Time:
Samples Received By: [Signature] Date: 10/26/23 Time: 10:00

Shipped To: CET (State) CT Other

Method of Shipment: [X] Fed Ex [ ] UPS Overnight [ ] UPS Ground [ ] Other

22.5 N

## Appendix G

---

### PCB Laboratory Report and Chain of Custody Form



Friday, October 13, 2023

Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Project ID: SILVER LANE PLAZA  
SDG ID: GCP13063  
Sample ID#s: CP13063 - CP13128

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller

Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Sample Id Cross Reference

October 13, 2023

SDG I.D.: GCP13063

Project ID: SILVER LANE PLAZA

Client Id	Lab Id	Matrix
092923SG-CC-01A	CP13063	CAULK
092923SG-CC-01B	CP13064	CAULK
092923SG-CC-01C	CP13065	CAULK
092923SG-CC-02A	CP13066	CAULK
092923SG-CC-02B	CP13067	CAULK
092923SG-CC-02C	CP13068	CAULK
092923SG-CC-03A	CP13069	CAULK
092923SG-CC-03B	CP13070	CAULK
092923SG-CC-03C	CP13071	CAULK
092923SG-CC-04A	CP13072	CAULK
092923SG-CC-04B	CP13073	CAULK
092923SG-CC-04C	CP13074	CAULK
092923SG-CC-05A	CP13075	CAULK
092923SG-CC-05B	CP13076	CAULK
092923SG-CC-05C	CP13077	CAULK
092923SG-CC-06A	CP13078	CAULK
092923SG-CC-06B	CP13079	CAULK
092923SG-CC-06C	CP13080	CAULK
092923SG-CC-07A	CP13081	CAULK
092923SG-CC-07B	CP13082	CAULK
092923SG-CC-07C	CP13083	CAULK
092923SG-CC-08A	CP13084	CAULK
092923SG-CC-08B	CP13085	CAULK
092923SG-CC-08C	CP13086	CAULK
092923SG-CC-09A	CP13087	CAULK
092923SG-CC-09B	CP13088	CAULK
092923SG-CC-09C	CP13089	CAULK
092923SG-CC-10A	CP13090	CAULK
092923SG-CC-10B	CP13091	CAULK
092923SG-CC-10C	CP13092	CAULK



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Sample Id Cross Reference

October 13, 2023

SDG I.D.: GCP13063

Project ID: SILVER LANE PLAZA

Client Id	Lab Id	Matrix
092923SG-CC-11A	CP13093	CAULK
092923SG-CC-11B	CP13094	CAULK
092923SG-CC-11C	CP13095	CAULK
092923SG-CC-12A	CP13096	CAULK
092923SG-CC-12B	CP13097	CAULK
092923SG-CC-12C	CP13098	CAULK
092923SG-CC-13A	CP13099	CAULK
092923SG-CC-13B	CP13100	CAULK
092923SG-CC-13C	CP13101	CAULK
092923SG-CC-14A	CP13102	CAULK
092923SG-CC-14B	CP13103	CAULK
092923SG-CC-14C	CP13104	CAULK
092923SG-CC-15A	CP13105	CAULK
092923SG-CC-15B	CP13106	CAULK
092923SG-CC-15C	CP13107	CAULK
092923SG-CC-16A	CP13108	CAULK
092923SG-CC-16B	CP13109	CAULK
092923SG-CC-16C	CP13110	CAULK
092923SG-CC-17A	CP13111	CAULK
092923SG-CC-17B	CP13112	CAULK
092923SG-CC-17C	CP13113	CAULK
092923SG-CC-18A	CP13114	CAULK
092923SG-CC-18B	CP13115	CAULK
092923SG-CC-18C	CP13116	CAULK
092923SG-CC-19A	CP13117	CAULK
092923SG-CC-19B	CP13118	CAULK
092923SG-CC-19C	CP13119	CAULK
092923SG-CC-20A	CP13120	CAULK
092923SG-CC-20B	CP13121	CAULK
092923SG-CC-20C	CP13122	CAULK



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Sample Id Cross Reference

October 13, 2023

SDG I.D.: GCP13063

Project ID: SILVER LANE PLAZA

---

Client Id	Lab Id	Matrix
092923SG-CC-21A	CP13123	CAULK
092923SG-CC-21B	CP13124	CAULK
092923SG-CC-21C	CP13125	CAULK
092923SG-CC-22A	CP13126	CAULK
092923SG-CC-22B	CP13127	CAULK
092923SG-CC-22C	CP13128	CAULK





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13063

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-01A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.43	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.43	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.43	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.43	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.43	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	ND	0.43	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.43	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.43	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.43	mg/kg	2	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	69		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	78		%	2	10/05/23	SC	30 - 150 %
% TCMX	62		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	73		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

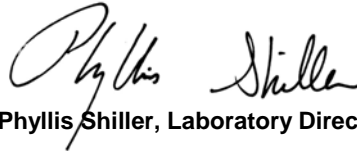
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13064

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-01B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.8	mg/kg	5	10/04/23	SC	SW8082A
PCB-1221	ND	0.8	mg/kg	5	10/04/23	SC	SW8082A
PCB-1232	ND	0.8	mg/kg	5	10/04/23	SC	SW8082A
PCB-1242	ND	0.8	mg/kg	5	10/04/23	SC	SW8082A
PCB-1248	ND	0.8	mg/kg	5	10/04/23	SC	SW8082A
PCB-1254	ND	0.8	mg/kg	5	10/04/23	SC	SW8082A
PCB-1260	ND	0.8	mg/kg	5	10/04/23	SC	SW8082A
PCB-1262	ND	0.8	mg/kg	5	10/04/23	SC	SW8082A
PCB-1268	ND	0.8	mg/kg	5	10/04/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	75		%	5	10/04/23	SC	30 - 150 %
% DCBP (Confirmation)	73		%	5	10/04/23	SC	30 - 150 %
% TCMX	68		%	5	10/04/23	SC	30 - 150 %
% TCMX (Confirmation)	73		%	5	10/04/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

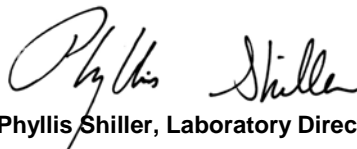
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13065

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-01C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1221	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1232	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1242	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1248	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1254	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1260	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1262	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1268	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	62		%	2	10/04/23	SC	30 - 150 %
% DCBP (Confirmation)	68		%	2	10/04/23	SC	30 - 150 %
% TCMX	52		%	2	10/04/23	SC	30 - 150 %
% TCMX (Confirmation)	64		%	2	10/04/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

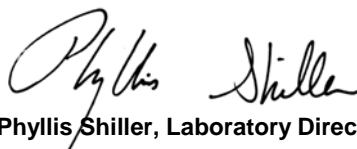
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13066

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-02A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

Caulk Extraction for PCB Completed 10/03/23 /R/AC1, RSW3540C

**PCB (Soxhlet SW3540C)**

PCB-1016	ND	0.76	mg/kg	5	10/04/23	SC	SW8082A
PCB-1221	ND	0.76	mg/kg	5	10/04/23	SC	SW8082A
PCB-1232	ND	0.76	mg/kg	5	10/04/23	SC	SW8082A
PCB-1242	ND	0.76	mg/kg	5	10/04/23	SC	SW8082A
PCB-1248	ND	0.76	mg/kg	5	10/04/23	SC	SW8082A
PCB-1254	ND	0.76	mg/kg	5	10/04/23	SC	SW8082A
PCB-1260	ND	0.76	mg/kg	5	10/04/23	SC	SW8082A
PCB-1262	ND	0.76	mg/kg	5	10/04/23	SC	SW8082A
PCB-1268	ND	0.76	mg/kg	5	10/04/23	SC	SW8082A

**QA/QC Surrogates**

% DCBP	88		%	5	10/04/23	SC	30 - 150 %
% DCBP (Confirmation)	89		%	5	10/04/23	SC	30 - 150 %
% TCMX	83		%	5	10/04/23	SC	30 - 150 %
% TCMX (Confirmation)	74		%	5	10/04/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

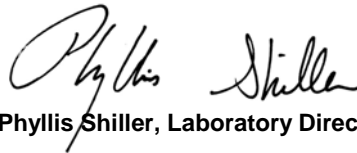
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13067

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-02B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1221	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1232	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1242	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1248	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1254	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1260	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1262	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1268	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	81		%	5	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	86		%	5	10/05/23	SC	30 - 150 %
% TCMX	71		%	5	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	74		%	5	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

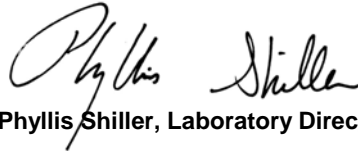
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13068

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-02C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.83	mg/kg	5	10/04/23	SC	SW8082A
PCB-1221	ND	0.83	mg/kg	5	10/04/23	SC	SW8082A
PCB-1232	ND	0.83	mg/kg	5	10/04/23	SC	SW8082A
PCB-1242	ND	0.83	mg/kg	5	10/04/23	SC	SW8082A
PCB-1248	ND	0.83	mg/kg	5	10/04/23	SC	SW8082A
PCB-1254	ND	0.83	mg/kg	5	10/04/23	SC	SW8082A
PCB-1260	ND	0.83	mg/kg	5	10/04/23	SC	SW8082A
PCB-1262	ND	0.83	mg/kg	5	10/04/23	SC	SW8082A
PCB-1268	ND	0.83	mg/kg	5	10/04/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	88		%	5	10/04/23	SC	30 - 150 %
% DCBP (Confirmation)	90		%	5	10/04/23	SC	30 - 150 %
% TCMX	81		%	5	10/04/23	SC	30 - 150 %
% TCMX (Confirmation)	72		%	5	10/04/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

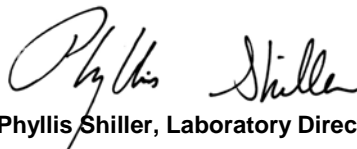
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13069

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-03A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.92	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.92	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.92	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.92	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.92	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	ND	0.92	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.92	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.92	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.92	mg/kg	2	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	46		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	44		%	2	10/05/23	SC	30 - 150 %
% TCMX	41		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	41		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

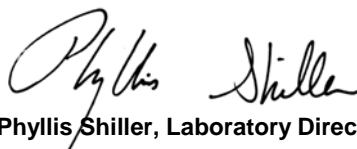
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13070

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-03B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.97	mg/kg	2	10/04/23	SC	SW8082A
PCB-1221	ND	0.97	mg/kg	2	10/04/23	SC	SW8082A
PCB-1232	ND	0.97	mg/kg	2	10/04/23	SC	SW8082A
PCB-1242	ND	0.97	mg/kg	2	10/04/23	SC	SW8082A
PCB-1248	ND	0.97	mg/kg	2	10/04/23	SC	SW8082A
PCB-1254	ND	0.97	mg/kg	2	10/04/23	SC	SW8082A
PCB-1260	ND	0.97	mg/kg	2	10/04/23	SC	SW8082A
PCB-1262	ND	0.97	mg/kg	2	10/04/23	SC	SW8082A
PCB-1268	ND	0.97	mg/kg	2	10/04/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	58		%	2	10/04/23	SC	30 - 150 %
% DCBP (Confirmation)	58		%	2	10/04/23	SC	30 - 150 %
% TCMX	54		%	2	10/04/23	SC	30 - 150 %
% TCMX (Confirmation)	50		%	2	10/04/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

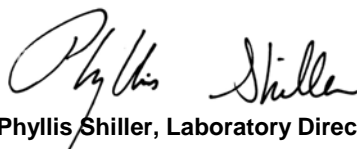
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13071

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-03C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.92	mg/kg	2	10/04/23	SC	SW8082A
PCB-1221	ND	0.92	mg/kg	2	10/04/23	SC	SW8082A
PCB-1232	ND	0.92	mg/kg	2	10/04/23	SC	SW8082A
PCB-1242	ND	0.92	mg/kg	2	10/04/23	SC	SW8082A
PCB-1248	ND	0.92	mg/kg	2	10/04/23	SC	SW8082A
PCB-1254	ND	0.92	mg/kg	2	10/04/23	SC	SW8082A
PCB-1260	ND	0.92	mg/kg	2	10/04/23	SC	SW8082A
PCB-1262	ND	0.92	mg/kg	2	10/04/23	SC	SW8082A
PCB-1268	ND	0.92	mg/kg	2	10/04/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	67		%	2	10/04/23	SC	30 - 150 %
% DCBP (Confirmation)	66		%	2	10/04/23	SC	30 - 150 %
% TCMX	61		%	2	10/04/23	SC	30 - 150 %
% TCMX (Confirmation)	56		%	2	10/04/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

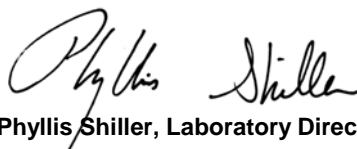
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13072

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-04A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/05/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.9	mg/kg	2	10/06/23	SC	SW8082A
PCB-1221	ND	0.9	mg/kg	2	10/06/23	SC	SW8082A
PCB-1232	ND	0.9	mg/kg	2	10/06/23	SC	SW8082A
PCB-1242	ND	0.9	mg/kg	2	10/06/23	SC	SW8082A
PCB-1248	ND	0.9	mg/kg	2	10/06/23	SC	SW8082A
PCB-1254	ND	0.9	mg/kg	2	10/06/23	SC	SW8082A
PCB-1260	ND	0.9	mg/kg	2	10/06/23	SC	SW8082A
PCB-1262	ND	0.9	mg/kg	2	10/06/23	SC	SW8082A
PCB-1268	ND	0.9	mg/kg	2	10/06/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	52		%	2	10/06/23	SC	30 - 150 %
% DCBP (Confirmation)	45		%	2	10/06/23	SC	30 - 150 %
% TCMX	41		%	2	10/06/23	SC	30 - 150 %
% TCMX (Confirmation)	41		%	2	10/06/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

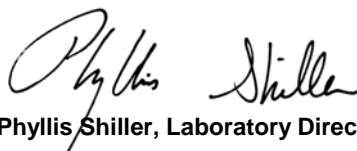
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13073

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-04B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.48	mg/kg	2	10/04/23	SC	SW8082A
PCB-1221	ND	0.48	mg/kg	2	10/04/23	SC	SW8082A
PCB-1232	ND	0.48	mg/kg	2	10/04/23	SC	SW8082A
PCB-1242	ND	0.48	mg/kg	2	10/04/23	SC	SW8082A
PCB-1248	ND	0.48	mg/kg	2	10/04/23	SC	SW8082A
PCB-1254	0.66	0.48	mg/kg	2	10/04/23	SC	SW8082A
PCB-1260	ND	0.48	mg/kg	2	10/04/23	SC	SW8082A
PCB-1262	ND	0.48	mg/kg	2	10/04/23	SC	SW8082A
PCB-1268	ND	0.48	mg/kg	2	10/04/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	48		%	2	10/04/23	SC	30 - 150 %
% DCBP (Confirmation)	32		%	2	10/04/23	SC	30 - 150 %
% TCMX	36		%	2	10/04/23	SC	30 - 150 %
% TCMX (Confirmation)	32		%	2	10/04/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

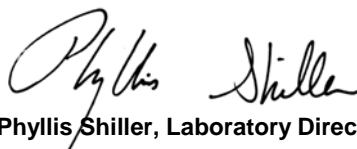
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13074

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-04C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
--------------------------	-----------	--	--	--	----------	---------	----------

**PCB (Soxhlet SW3540C)**

PCB-1016	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A

**QA/QC Surrogates**

% DCBP	40		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	32		%	2	10/05/23	SC	30 - 150 %
% TCMX	35		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	34		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

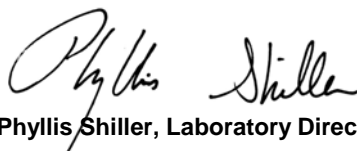
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

## Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13075

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-05A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

Caulk Extraction for PCB Completed 10/03/23 /R/AC1, RSW3540C

### PCB (Soxhlet SW3540C)

PCB-1016	ND	0.76	mg/kg	5	10/05/23	SC	SW8082A
PCB-1221	ND	0.76	mg/kg	5	10/05/23	SC	SW8082A
PCB-1232	ND	0.76	mg/kg	5	10/05/23	SC	SW8082A
PCB-1242	ND	0.76	mg/kg	5	10/05/23	SC	SW8082A
PCB-1248	ND	0.76	mg/kg	5	10/05/23	SC	SW8082A
PCB-1254	ND	0.76	mg/kg	5	10/05/23	SC	SW8082A
PCB-1260	ND	0.76	mg/kg	5	10/05/23	SC	SW8082A
PCB-1262	ND	0.76	mg/kg	5	10/05/23	SC	SW8082A
PCB-1268	ND	0.76	mg/kg	5	10/05/23	SC	SW8082A

### QA/QC Surrogates

% DCBP	80		%	5	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	88		%	5	10/05/23	SC	30 - 150 %
% TCMX	73		%	5	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	75		%	5	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

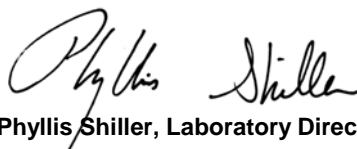
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13076

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-05B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

Caulk Extraction for PCB Completed 10/03/23 /R/AC1, RSW3540C

**PCB (Soxhlet SW3540C)**

PCB-1016	ND	0.78	mg/kg	5	10/04/23	SC	SW8082A
PCB-1221	ND	0.78	mg/kg	5	10/04/23	SC	SW8082A
PCB-1232	ND	0.78	mg/kg	5	10/04/23	SC	SW8082A
PCB-1242	ND	0.78	mg/kg	5	10/04/23	SC	SW8082A
PCB-1248	ND	0.78	mg/kg	5	10/04/23	SC	SW8082A
PCB-1254	ND	0.78	mg/kg	5	10/04/23	SC	SW8082A
PCB-1260	ND	0.78	mg/kg	5	10/04/23	SC	SW8082A
PCB-1262	ND	0.78	mg/kg	5	10/04/23	SC	SW8082A
PCB-1268	ND	0.78	mg/kg	5	10/04/23	SC	SW8082A

**QA/QC Surrogates**

% DCBP	78		%	5	10/04/23	SC	30 - 150 %
% DCBP (Confirmation)	79		%	5	10/04/23	SC	30 - 150 %
% TCMX	68		%	5	10/04/23	SC	30 - 150 %
% TCMX (Confirmation)	60		%	5	10/04/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

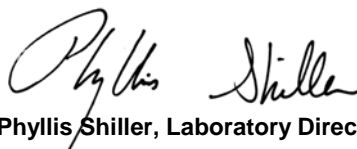
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13077

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-05C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.82	mg/kg	5	10/04/23	SC	SW8082A
PCB-1221	ND	0.82	mg/kg	5	10/04/23	SC	SW8082A
PCB-1232	ND	0.82	mg/kg	5	10/04/23	SC	SW8082A
PCB-1242	ND	0.82	mg/kg	5	10/04/23	SC	SW8082A
PCB-1248	ND	0.82	mg/kg	5	10/04/23	SC	SW8082A
PCB-1254	ND	0.82	mg/kg	5	10/04/23	SC	SW8082A
PCB-1260	ND	0.82	mg/kg	5	10/04/23	SC	SW8082A
PCB-1262	ND	0.82	mg/kg	5	10/04/23	SC	SW8082A
PCB-1268	ND	0.82	mg/kg	5	10/04/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	83		%	5	10/04/23	SC	30 - 150 %
% DCBP (Confirmation)	98		%	5	10/04/23	SC	30 - 150 %
% TCMX	80		%	5	10/04/23	SC	30 - 150 %
% TCMX (Confirmation)	84		%	5	10/04/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

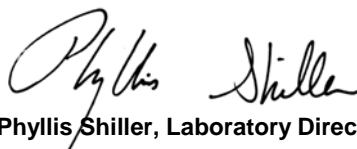
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13078

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-06A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.77	mg/kg	5	10/04/23	SC	SW8082A
PCB-1221	ND	0.77	mg/kg	5	10/04/23	SC	SW8082A
PCB-1232	ND	0.77	mg/kg	5	10/04/23	SC	SW8082A
PCB-1242	ND	0.77	mg/kg	5	10/04/23	SC	SW8082A
PCB-1248	ND	0.77	mg/kg	5	10/04/23	SC	SW8082A
PCB-1254	ND	0.77	mg/kg	5	10/04/23	SC	SW8082A
PCB-1260	ND	0.77	mg/kg	5	10/04/23	SC	SW8082A
PCB-1262	ND	0.77	mg/kg	5	10/04/23	SC	SW8082A
PCB-1268	ND	0.77	mg/kg	5	10/04/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	78		%	5	10/04/23	SC	30 - 150 %
% DCBP (Confirmation)	76		%	5	10/04/23	SC	30 - 150 %
% TCMX	68		%	5	10/04/23	SC	30 - 150 %
% TCMX (Confirmation)	58		%	5	10/04/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

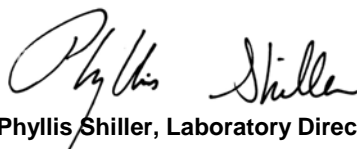
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13079

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-06B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1221	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1232	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1242	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1248	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1254	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1260	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1262	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1268	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	72		%	5	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	73		%	5	10/05/23	SC	30 - 150 %
% TCMX	58		%	5	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	61		%	5	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

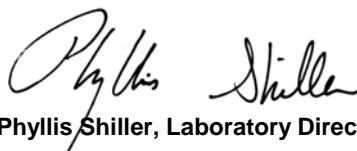
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 13, 2023

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information

Matrix: CAULK
Location Code: F&O-LABRESPCB
Rush Request: 72 Std
P.O.#: 20230389.A10

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date Time

09/29/23
10/02/23 11:40

Laboratory Data

SDG ID: GCP13063
Phoenix ID: CP13080

Project ID: SILVER LANE PLAZA
Client ID: 092923SG-CC-06C

Table with 8 columns: Parameter, Result, RL/PQL, Units, Dilution, Date/Time, By, Reference

Caulk Extraction for PCB Completed 10/03/23 /R/AC1, RSW3540C

PCB (Soxhlet SW3540C)

Table with 8 columns: PCB ID, Result, RL/PQL, Units, Dilution, Date/Time, By, Reference. Lists PCB-1016 through PCB-1268.

QA/QC Surrogates

Table with 8 columns: Surrogate Name, Result, RL/PQL, Units, Dilution, Date/Time, By, Reference. Lists % DCBP and % TCMX.

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

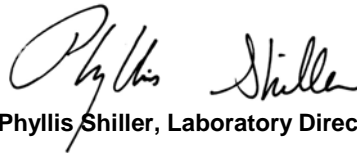
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

## Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13081

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-07A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	65		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	67		%	2	10/05/23	SC	30 - 150 %
% TCMX	52		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	62		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

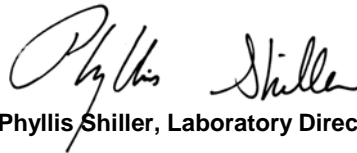
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13082

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-07B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	67		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	73		%	2	10/05/23	SC	30 - 150 %
% TCMX	56		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	66		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

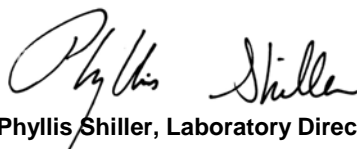
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13083

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-07C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	76		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	68		%	2	10/05/23	SC	30 - 150 %
% TCMX	61		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	58		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

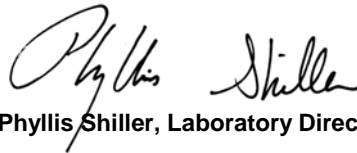
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13084

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-08A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1221	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1232	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1242	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1248	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1254	1	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1260	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1262	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1268	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	89		%	5	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	75		%	5	10/05/23	SC	30 - 150 %
% TCMX	82		%	5	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	75		%	5	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

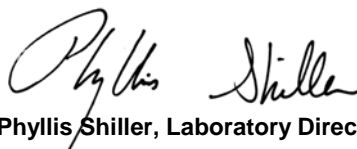
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13085

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-08B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1221	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1232	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1242	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1248	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1254	0.91	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1260	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1262	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
PCB-1268	ND	0.78	mg/kg	5	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	96		%	5	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	75		%	5	10/05/23	SC	30 - 150 %
% TCMX	81		%	5	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	72		%	5	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

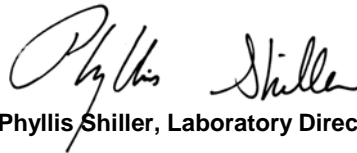
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13086

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-08C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.44	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.44	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.44	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.44	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.44	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	1.1	0.44	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.44	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.44	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.44	mg/kg	2	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	81		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	81		%	2	10/05/23	SC	30 - 150 %
% TCMX	72		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	73		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

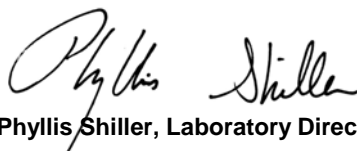
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13087

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-09A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1221	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1232	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1242	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1248	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1254	2900	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1260	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1262	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1268	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	2500	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	Diluted Out		%	2500	10/05/23	SC	30 - 150 %
% TCMX	Diluted Out		%	2500	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	Diluted Out		%	2500	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

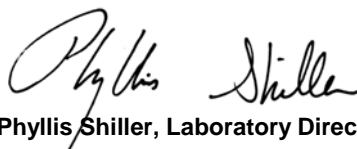
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13088

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-09B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	2300	mg/kg	10000	10/05/23	SC	SW8082A
PCB-1221	ND	2300	mg/kg	10000	10/05/23	SC	SW8082A
PCB-1232	ND	2300	mg/kg	10000	10/05/23	SC	SW8082A
PCB-1242	ND	2300	mg/kg	10000	10/05/23	SC	SW8082A
PCB-1248	ND	2300	mg/kg	10000	10/05/23	SC	SW8082A
PCB-1254	5400	2300	mg/kg	10000	10/05/23	SC	SW8082A
PCB-1260	ND	2300	mg/kg	10000	10/05/23	SC	SW8082A
PCB-1262	ND	2300	mg/kg	10000	10/05/23	SC	SW8082A
PCB-1268	ND	2300	mg/kg	10000	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	10000	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	Diluted Out		%	10000	10/05/23	SC	30 - 150 %
% TCMX	Diluted Out		%	10000	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	Diluted Out		%	10000	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

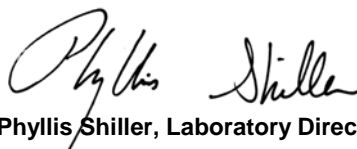
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13089

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-09C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	410	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1221	ND	410	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1232	ND	410	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1242	ND	410	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1248	ND	410	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1254	4300	410	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1260	ND	410	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1262	ND	410	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1268	ND	410	mg/kg	2000	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	2000	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	Diluted Out		%	2000	10/05/23	SC	30 - 150 %
% TCMX	Diluted Out		%	2000	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	Diluted Out		%	2000	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

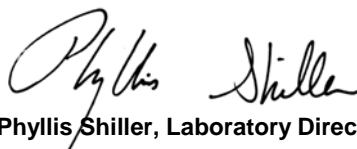
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13090

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-10A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1221	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1232	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1242	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1248	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1254	3700	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1260	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1262	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1268	ND	390	mg/kg	2500	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	2500	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	Diluted Out		%	2500	10/05/23	SC	30 - 150 %
% TCMX	Diluted Out		%	2500	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	Diluted Out		%	2500	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

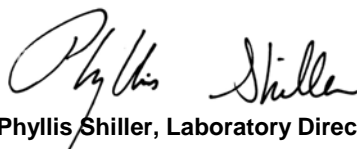
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13091

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-10B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	500	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1221	ND	500	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1232	ND	500	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1242	ND	500	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1248	ND	500	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1254	5100	500	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1260	ND	500	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1262	ND	500	mg/kg	2000	10/05/23	SC	SW8082A
PCB-1268	ND	500	mg/kg	2000	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	2000	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	Diluted Out		%	2000	10/05/23	SC	30 - 150 %
% TCMX	Diluted Out		%	2000	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	Diluted Out		%	2000	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

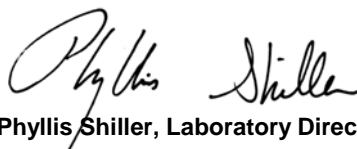
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13092

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-10C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	400	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1221	ND	400	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1232	ND	400	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1242	ND	400	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1248	ND	400	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1254	3300	400	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1260	ND	400	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1262	ND	400	mg/kg	2500	10/05/23	SC	SW8082A
PCB-1268	ND	400	mg/kg	2500	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	2500	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	Diluted Out		%	2500	10/05/23	SC	30 - 150 %
% TCMX	Diluted Out		%	2500	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	Diluted Out		%	2500	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

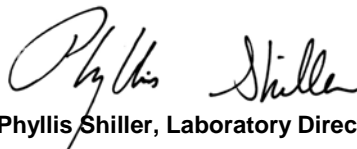
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13093

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-11A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.46	mg/kg	2	10/04/23	SC	SW8082A
PCB-1221	ND	0.46	mg/kg	2	10/04/23	SC	SW8082A
PCB-1232	ND	0.46	mg/kg	2	10/04/23	SC	SW8082A
PCB-1242	ND	0.46	mg/kg	2	10/04/23	SC	SW8082A
PCB-1248	ND	0.46	mg/kg	2	10/04/23	SC	SW8082A
PCB-1254	ND	0.46	mg/kg	2	10/04/23	SC	SW8082A
PCB-1260	ND	0.46	mg/kg	2	10/04/23	SC	SW8082A
PCB-1262	ND	0.46	mg/kg	2	10/04/23	SC	SW8082A
PCB-1268	ND	0.46	mg/kg	2	10/04/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	77		%	2	10/04/23	SC	30 - 150 %
% DCBP (Confirmation)	82		%	2	10/04/23	SC	30 - 150 %
% TCMX	30		%	2	10/04/23	SC	30 - 150 %
% TCMX (Confirmation)	26		%	2	10/04/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

3 = This parameter exceeds laboratory specified limits.

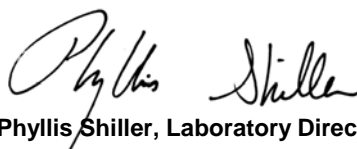
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13094

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-11B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1221	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1232	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1242	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1248	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1254	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1260	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1262	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1268	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	96		%	2	10/04/23	SC	30 - 150 %
% DCBP (Confirmation)	96		%	2	10/04/23	SC	30 - 150 %
% TCMX	73		%	2	10/04/23	SC	30 - 150 %
% TCMX (Confirmation)	63		%	2	10/04/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

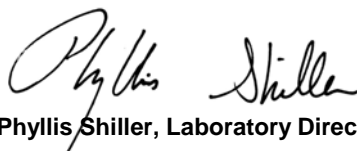
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13095

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-11C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1221	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1232	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1242	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1248	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1254	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1260	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1262	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
PCB-1268	ND	0.45	mg/kg	2	10/04/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	93		%	2	10/04/23	SC	30 - 150 %
% DCBP (Confirmation)	97		%	2	10/04/23	SC	30 - 150 %
% TCMX	86		%	2	10/04/23	SC	30 - 150 %
% TCMX (Confirmation)	77		%	2	10/04/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

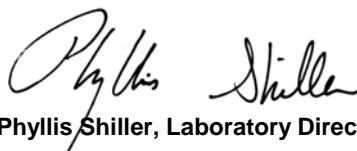
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13096

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-12A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.91	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.91	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.91	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.91	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.91	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	1.4	0.91	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.91	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.91	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.91	mg/kg	2	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	93		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	86		%	2	10/05/23	SC	30 - 150 %
% TCMX	54		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	54		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

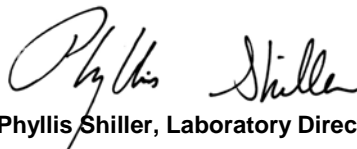
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

## Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13097

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-12B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	2.8	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	70		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	69		%	2	10/05/23	SC	30 - 150 %
% TCMX	53		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	49		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

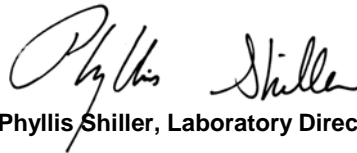
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13098

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-12C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

Caulk Extraction for PCB	Completed				10/03/23	B/R/AC1	SW3540C
--------------------------	-----------	--	--	--	----------	---------	---------

**PCB (Soxhlet SW3540C)**

PCB-1016	ND	0.45	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.45	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.45	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.45	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.45	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	ND	0.45	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.45	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.45	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.45	mg/kg	2	10/05/23	SC	SW8082A

**QA/QC Surrogates**

% DCBP	72		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	69		%	2	10/05/23	SC	30 - 150 %
% TCMX	54		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	49		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

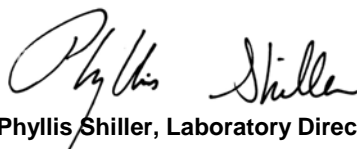
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13099

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-13A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1221	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1232	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1242	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1248	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1254	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1260	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1262	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
PCB-1268	ND	0.83	mg/kg	5	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	61		%	5	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	54		%	5	10/05/23	SC	30 - 150 %
% TCMX	52		%	5	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	50		%	5	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

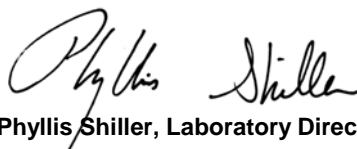
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13100

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-13B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/03/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1221	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1232	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1242	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1248	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1254	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1260	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1262	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
PCB-1268	ND	0.43	mg/kg	2	10/04/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	81		%	2	10/04/23	SC	30 - 150 %
% DCBP (Confirmation)	82		%	2	10/04/23	SC	30 - 150 %
% TCMX	72		%	2	10/04/23	SC	30 - 150 %
% TCMX (Confirmation)	65		%	2	10/04/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

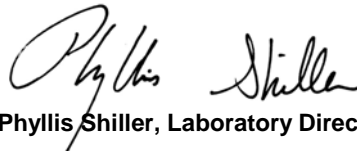
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13101

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-13C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

Caulk Extraction for PCB Completed 10/04/23 /R/AC1, RSW3540C

**PCB (Soxhlet SW3540C)**

PCB-1016	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1221	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1232	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1242	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1248	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1254	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1260	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1262	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1268	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A

**QA/QC Surrogates**

% DCBP	70		%	5	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	79		%	5	10/05/23	SC	30 - 150 %
% TCMX	76		%	5	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	74		%	5	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

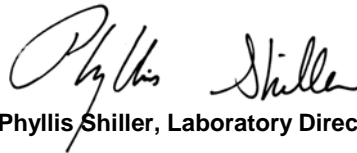
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13102

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-14A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/05/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1221	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1232	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1242	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1248	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1254	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1260	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1262	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1268	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	31		%	2	10/07/23	SC	30 - 150 %
% DCBP (Confirmation)	30		%	2	10/07/23	SC	30 - 150 %
% TCMX	10		%	2	10/07/23	SC	30 - 150 %
% TCMX (Confirmation)	10		%	2	10/07/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

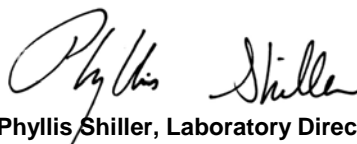
**PCB Comment:**

Poor surrogate recovery was observed for PCBs. Sample was re-extracted with similar results.

Low TCMX surrogate was observed. A low bias is not suspected because the surrogate Decachlorobiphenyl recovery was within acceptance criteria and PCBs behave similarly to Decachlorobiphenyl.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13103

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-14B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/06/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.82	mg/kg	2	10/08/23	SC	SW8082A
PCB-1221	ND	0.82	mg/kg	2	10/08/23	SC	SW8082A
PCB-1232	ND	0.82	mg/kg	2	10/08/23	SC	SW8082A
PCB-1242	ND	0.82	mg/kg	2	10/08/23	SC	SW8082A
PCB-1248	ND	0.82	mg/kg	2	10/08/23	SC	SW8082A
PCB-1254	ND	0.82	mg/kg	2	10/08/23	SC	SW8082A
PCB-1260	ND	0.82	mg/kg	2	10/08/23	SC	SW8082A
PCB-1262	ND	0.82	mg/kg	2	10/08/23	SC	SW8082A
PCB-1268	ND	0.82	mg/kg	2	10/08/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	52		%	2	10/08/23	SC	30 - 150 %
% DCBP (Confirmation)	51		%	2	10/08/23	SC	30 - 150 %
% TCMX	21		%	2	10/08/23	SC	30 - 150 %
% TCMX (Confirmation)	19		%	2	10/08/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

**PCB Comment:**

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

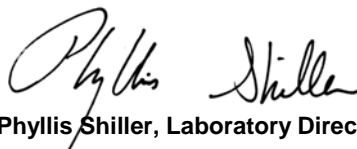
**PCB Comment:**

Poor surrogate recovery was observed for PCBs. Sample was re-extracted with similar results.

Low TCMX surrogate was observed. A low bias is not suspected because the surrogate Decachlorobiphenyl recovery was within acceptance criteria and PCBs behave similarly to Decachlorobiphenyl.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13104

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-14C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

Caulk Extraction for PCB	Completed				10/05/23	B/R/AC1	SW3540C
--------------------------	-----------	--	--	--	----------	---------	---------

**PCB (Soxhlet SW3540C)**

PCB-1016	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1221	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1232	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1242	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1248	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1254	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1260	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1262	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A
PCB-1268	ND	0.99	mg/kg	2	10/07/23	SC	SW8082A

**QA/QC Surrogates**

% DCBP	30		%	2	10/07/23	SC	30 - 150 %	
% DCBP (Confirmation)	30		%	2	10/07/23	SC	30 - 150 %	
% TCMX	10		%	2	10/07/23	SC	30 - 150 %	3
% TCMX (Confirmation)	10		%	2	10/07/23	SC	30 - 150 %	3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

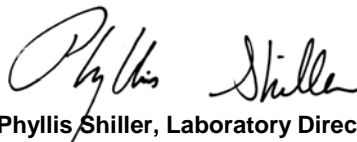
**PCB Comment:**

Poor surrogate recovery was observed for PCBs. Sample was re-extracted with similar results.

Low TCMX surrogate was observed. A low bias is not suspected because the surrogate Decachlorobiphenyl recovery was within acceptance criteria and PCBs behave similarly to Decachlorobiphenyl.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13105

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-15A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/04/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.41	mg/kg	2	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	52		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	58		%	2	10/05/23	SC	30 - 150 %
% TCMX	57		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	56		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

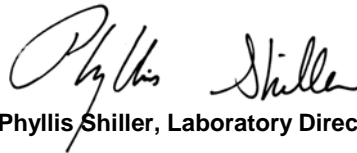
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13106

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-15B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

Caulk Extraction for PCB Completed 10/04/23 /R/AC1, RSW3540C

**PCB (Soxhlet SW3540C)**

PCB-1016	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.49	mg/kg	2	10/05/23	SC	SW8082A

**QA/QC Surrogates**

% DCBP	46		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	45		%	2	10/05/23	SC	30 - 150 %
% TCMX	45		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	39		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

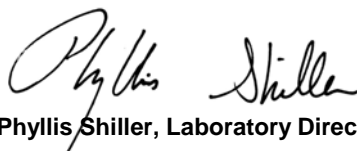
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13107

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-15C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/04/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	43		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	44		%	2	10/05/23	SC	30 - 150 %
% TCMX	44		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	40		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

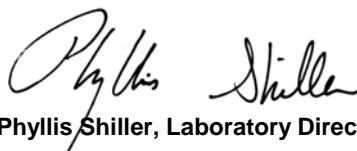
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13108

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-16A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/04/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.47	mg/kg	2	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	77		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	67		%	2	10/05/23	SC	30 - 150 %
% TCMX	62		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	62		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

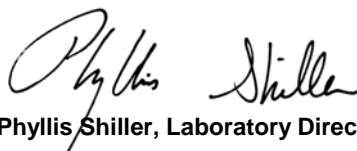
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

## Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13109

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-16B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

Caulk Extraction for PCB Completed 10/04/23 /R/AC1, RSW3540C

### PCB (Soxhlet SW3540C)

PCB-1016	ND	0.42	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.42	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.42	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.42	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.42	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	ND	0.42	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.42	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.42	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.42	mg/kg	2	10/05/23	SC	SW8082A

### QA/QC Surrogates

% DCBP	77		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	82		%	2	10/05/23	SC	30 - 150 %
% TCMX	59		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	66		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

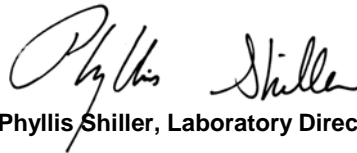
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13110

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-16C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/04/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1221	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1232	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1242	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1248	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1254	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1260	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1262	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
PCB-1268	ND	0.82	mg/kg	5	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	83		%	5	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	81		%	5	10/05/23	SC	30 - 150 %
% TCMX	73		%	5	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	73		%	5	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

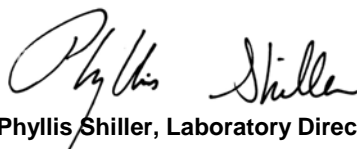
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13111

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-17A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

Caulk Extraction for PCB	Completed				10/04/23	/R/AC1,	RSW3540C
--------------------------	-----------	--	--	--	----------	---------	----------

**PCB (Soxhlet SW3540C)**

PCB-1016	ND	0.4	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.4	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.4	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.4	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.4	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	ND	0.4	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.4	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.4	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.4	mg/kg	2	10/05/23	SC	SW8082A

**QA/QC Surrogates**

% DCBP	76		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	71		%	2	10/05/23	SC	30 - 150 %
% TCMX	69		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	68		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

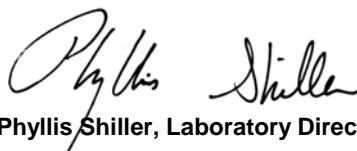
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13112

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-17B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

Caulk Extraction for PCB Completed 10/04/23 /R/AC1, RSW3540C

**PCB (Soxhlet SW3540C)**

PCB-1016	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1221	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1232	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1242	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1248	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1254	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1260	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1262	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1268	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A

**QA/QC Surrogates**

% DCBP	78		%	5	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	82		%	5	10/05/23	SC	30 - 150 %
% TCMX	71		%	5	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	62		%	5	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

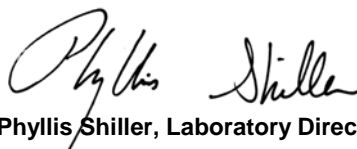
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13113

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-17C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

Caulk Extraction for PCB Completed 10/04/23 /R/AC1, RSW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.8	mg/kg	5	10/05/23	SC	SW8082A
PCB-1221	ND	0.8	mg/kg	5	10/05/23	SC	SW8082A
PCB-1232	ND	0.8	mg/kg	5	10/05/23	SC	SW8082A
PCB-1242	ND	0.8	mg/kg	5	10/05/23	SC	SW8082A
PCB-1248	ND	0.8	mg/kg	5	10/05/23	SC	SW8082A
PCB-1254	ND	0.8	mg/kg	5	10/05/23	SC	SW8082A
PCB-1260	ND	0.8	mg/kg	5	10/05/23	SC	SW8082A
PCB-1262	ND	0.8	mg/kg	5	10/05/23	SC	SW8082A
PCB-1268	ND	0.8	mg/kg	5	10/05/23	SC	SW8082A

QA/QC Surrogates

% DCBP	83		%	5	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	86		%	5	10/05/23	SC	30 - 150 %
% TCMX	70		%	5	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	72		%	5	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

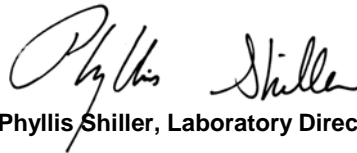
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13114

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-18A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/04/23	/R/AC1,	RSW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.46	mg/kg	2	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	66		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	65		%	2	10/05/23	SC	30 - 150 %
% TCMX	70		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	65		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

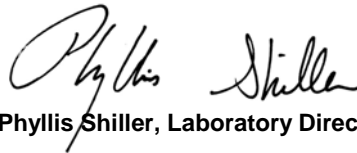
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23  
10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13115

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-18B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

Caulk Extraction for PCB Completed 10/04/23 /R/AC1, RSW3540C

**PCB (Soxhlet SW3540C)**

PCB-1016	ND	0.76	mg/kg	2	10/05/23	SC	SW8082A
PCB-1221	ND	0.76	mg/kg	2	10/05/23	SC	SW8082A
PCB-1232	ND	0.76	mg/kg	2	10/05/23	SC	SW8082A
PCB-1242	ND	0.76	mg/kg	2	10/05/23	SC	SW8082A
PCB-1248	ND	0.76	mg/kg	2	10/05/23	SC	SW8082A
PCB-1254	ND	0.76	mg/kg	2	10/05/23	SC	SW8082A
PCB-1260	ND	0.76	mg/kg	2	10/05/23	SC	SW8082A
PCB-1262	ND	0.76	mg/kg	2	10/05/23	SC	SW8082A
PCB-1268	ND	0.76	mg/kg	2	10/05/23	SC	SW8082A

**QA/QC Surrogates**

% DCBP	77		%	2	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	69		%	2	10/05/23	SC	30 - 150 %
% TCMX	68		%	2	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	64		%	2	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

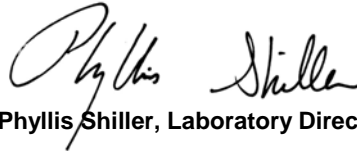
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

## Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13116

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-18C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/04/23	/R/RB, ACSW3540C	
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.82	mg/kg	5	10/05/23	AW	SW8082A
PCB-1221	ND	0.82	mg/kg	5	10/05/23	AW	SW8082A
PCB-1232	ND	0.82	mg/kg	5	10/05/23	AW	SW8082A
PCB-1242	ND	0.82	mg/kg	5	10/05/23	AW	SW8082A
PCB-1248	ND	0.82	mg/kg	5	10/05/23	AW	SW8082A
PCB-1254	ND	0.82	mg/kg	5	10/05/23	AW	SW8082A
PCB-1260	ND	0.82	mg/kg	5	10/05/23	AW	SW8082A
PCB-1262	ND	0.82	mg/kg	5	10/05/23	AW	SW8082A
PCB-1268	ND	0.82	mg/kg	5	10/05/23	AW	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	75		%	5	10/05/23	AW	30 - 150 %
% DCBP (Confirmation)	77		%	5	10/05/23	AW	30 - 150 %
% TCMX	74		%	5	10/05/23	AW	30 - 150 %
% TCMX (Confirmation)	71		%	5	10/05/23	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

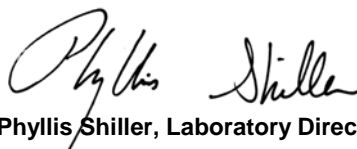
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13117

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-19A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/04/23	/R/RB, ACSW3540C	
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.81	mg/kg	5	10/05/23	AW	SW8082A
PCB-1221	ND	0.81	mg/kg	5	10/05/23	AW	SW8082A
PCB-1232	ND	0.81	mg/kg	5	10/05/23	AW	SW8082A
PCB-1242	ND	0.81	mg/kg	5	10/05/23	AW	SW8082A
PCB-1248	ND	0.81	mg/kg	5	10/05/23	AW	SW8082A
PCB-1254	ND	0.81	mg/kg	5	10/05/23	AW	SW8082A
PCB-1260	ND	0.81	mg/kg	5	10/05/23	AW	SW8082A
PCB-1262	ND	0.81	mg/kg	5	10/05/23	AW	SW8082A
PCB-1268	ND	0.81	mg/kg	5	10/05/23	AW	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	109		%	5	10/05/23	AW	30 - 150 %
% DCBP (Confirmation)	96		%	5	10/05/23	AW	30 - 150 %
% TCMX	74		%	5	10/05/23	AW	30 - 150 %
% TCMX (Confirmation)	71		%	5	10/05/23	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

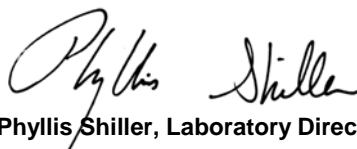
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13118

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-19B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/04/23	/R/RB, ACSW3540C	
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	1	0.78	mg/kg	5	10/05/23	AW	SW8082A
PCB-1221	ND	0.78	mg/kg	5	10/05/23	AW	SW8082A
PCB-1232	ND	0.78	mg/kg	5	10/05/23	AW	SW8082A
PCB-1242	ND	0.78	mg/kg	5	10/05/23	AW	SW8082A
PCB-1248	ND	0.78	mg/kg	5	10/05/23	AW	SW8082A
PCB-1254	ND	0.78	mg/kg	5	10/05/23	AW	SW8082A
PCB-1260	ND	0.78	mg/kg	5	10/05/23	AW	SW8082A
PCB-1262	ND	0.78	mg/kg	5	10/05/23	AW	SW8082A
PCB-1268	ND	0.78	mg/kg	5	10/05/23	AW	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	89		%	5	10/05/23	AW	30 - 150 %
% DCBP (Confirmation)	84		%	5	10/05/23	AW	30 - 150 %
% TCMX	82		%	5	10/05/23	AW	30 - 150 %
% TCMX (Confirmation)	76		%	5	10/05/23	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

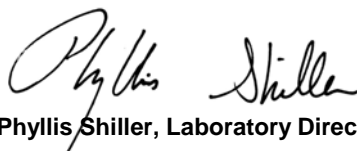
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

## Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13119

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-19C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/04/23	/R/RB, ACSW3540C	
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.83	mg/kg	5	10/05/23	AW	SW8082A
PCB-1221	ND	0.83	mg/kg	5	10/05/23	AW	SW8082A
PCB-1232	ND	0.83	mg/kg	5	10/05/23	AW	SW8082A
PCB-1242	ND	0.83	mg/kg	5	10/05/23	AW	SW8082A
PCB-1248	ND	0.83	mg/kg	5	10/05/23	AW	SW8082A
PCB-1254	ND	0.83	mg/kg	5	10/05/23	AW	SW8082A
PCB-1260	ND	0.83	mg/kg	5	10/05/23	AW	SW8082A
PCB-1262	ND	0.83	mg/kg	5	10/05/23	AW	SW8082A
PCB-1268	ND	0.83	mg/kg	5	10/05/23	AW	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	78		%	5	10/05/23	AW	30 - 150 %
% DCBP (Confirmation)	87		%	5	10/05/23	AW	30 - 150 %
% TCMX	81		%	5	10/05/23	AW	30 - 150 %
% TCMX (Confirmation)	77		%	5	10/05/23	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

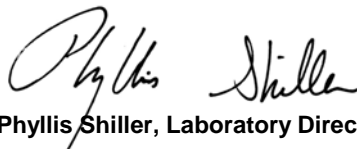
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13120

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-20A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

Caulk Extraction for PCB Completed 10/04/23 /R/RB, ACSW3540C

**PCB (Soxhlet SW3540C)**

PCB-1016	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1221	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1232	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1242	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1248	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1254	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1260	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1262	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1268	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A

**QA/QC Surrogates**

% DCBP	61		%	5	10/05/23	AW	30 - 150 %
% DCBP (Confirmation)	67		%	5	10/05/23	AW	30 - 150 %
% TCMX	65		%	5	10/05/23	AW	30 - 150 %
% TCMX (Confirmation)	65		%	5	10/05/23	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

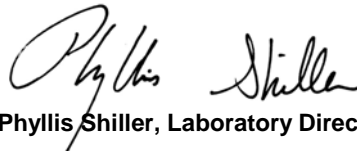
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13121

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-20B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

Caulk Extraction for PCB Completed 10/04/23 /R/RB, ACSW3540C

**PCB (Soxhlet SW3540C)**

PCB-1016	ND	0.49	mg/kg	2	10/05/23	AW	SW8082A
PCB-1221	ND	0.49	mg/kg	2	10/05/23	AW	SW8082A
PCB-1232	ND	0.49	mg/kg	2	10/05/23	AW	SW8082A
PCB-1242	ND	0.49	mg/kg	2	10/05/23	AW	SW8082A
PCB-1248	ND	0.49	mg/kg	2	10/05/23	AW	SW8082A
PCB-1254	ND	0.49	mg/kg	2	10/05/23	AW	SW8082A
PCB-1260	ND	0.49	mg/kg	2	10/05/23	AW	SW8082A
PCB-1262	ND	0.49	mg/kg	2	10/05/23	AW	SW8082A
PCB-1268	ND	0.49	mg/kg	2	10/05/23	AW	SW8082A

**QA/QC Surrogates**

% DCBP	67		%	2	10/05/23	AW	30 - 150 %
% DCBP (Confirmation)	63		%	2	10/05/23	AW	30 - 150 %
% TCMX	73		%	2	10/05/23	AW	30 - 150 %
% TCMX (Confirmation)	73		%	2	10/05/23	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

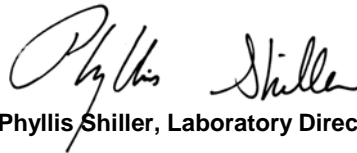
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13122

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-20C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/04/23	/R/RB, ACSW3540C	
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1221	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1232	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1242	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1248	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1254	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1260	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1262	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
PCB-1268	ND	0.8	mg/kg	5	10/05/23	AW	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	70		%	5	10/05/23	AW	30 - 150 %
% DCBP (Confirmation)	65		%	5	10/05/23	AW	30 - 150 %
% TCMX	64		%	5	10/05/23	AW	30 - 150 %
% TCMX (Confirmation)	62		%	5	10/05/23	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

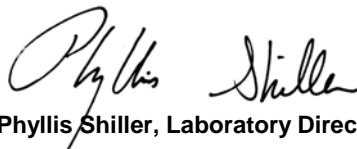
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13123

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-21A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/05/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.46	mg/kg	2	10/06/23	SC	SW8082A
PCB-1221	ND	0.46	mg/kg	2	10/06/23	SC	SW8082A
PCB-1232	ND	0.46	mg/kg	2	10/06/23	SC	SW8082A
PCB-1242	ND	0.46	mg/kg	2	10/06/23	SC	SW8082A
PCB-1248	ND	0.46	mg/kg	2	10/06/23	SC	SW8082A
PCB-1254	ND	0.46	mg/kg	2	10/06/23	SC	SW8082A
PCB-1260	ND	0.46	mg/kg	2	10/06/23	SC	SW8082A
PCB-1262	ND	0.46	mg/kg	2	10/06/23	SC	SW8082A
PCB-1268	ND	0.46	mg/kg	2	10/06/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	32		%	2	10/06/23	SC	30 - 150 %
% DCBP (Confirmation)	30		%	2	10/06/23	SC	30 - 150 %
% TCMX	24		%	2	10/06/23	SC	30 - 150 %
% TCMX (Confirmation)	24		%	2	10/06/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

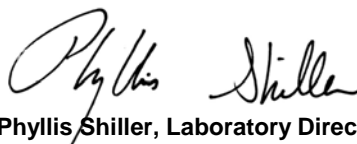
**PCB Comment:**

Poor surrogate recovery was observed for PCBs. Sample was re-extracted with similar results.

Low TCMX surrogate was observed. A low bias is not suspected because the surrogate Decachlorobiphenyl recovery was within acceptance criteria and PCBs behave similarly to Decachlorobiphenyl.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13124

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-21B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/05/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.79	mg/kg	5	10/06/23	SC	SW8082A
PCB-1221	ND	0.79	mg/kg	5	10/06/23	SC	SW8082A
PCB-1232	ND	0.79	mg/kg	5	10/06/23	SC	SW8082A
PCB-1242	ND	0.79	mg/kg	5	10/06/23	SC	SW8082A
PCB-1248	ND	0.79	mg/kg	5	10/06/23	SC	SW8082A
PCB-1254	ND	0.79	mg/kg	5	10/06/23	SC	SW8082A
PCB-1260	ND	0.79	mg/kg	5	10/06/23	SC	SW8082A
PCB-1262	ND	0.79	mg/kg	5	10/06/23	SC	SW8082A
PCB-1268	ND	0.79	mg/kg	5	10/06/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	38		%	5	10/06/23	SC	30 - 150 %
% DCBP (Confirmation)	39		%	5	10/06/23	SC	30 - 150 %
% TCMX	47		%	5	10/06/23	SC	30 - 150 %
% TCMX (Confirmation)	47		%	5	10/06/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

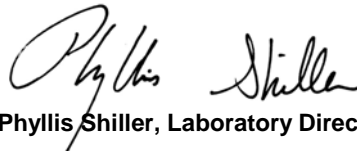
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13125

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-21C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/05/23	B/R/AC1	SW3540C
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.91	mg/kg	5	10/06/23	PS	SW8082A
PCB-1221	ND	0.91	mg/kg	5	10/06/23	PS	SW8082A
PCB-1232	ND	0.91	mg/kg	5	10/06/23	PS	SW8082A
PCB-1242	ND	0.91	mg/kg	5	10/06/23	PS	SW8082A
PCB-1248	ND	0.91	mg/kg	5	10/06/23	PS	SW8082A
PCB-1254	ND	0.91	mg/kg	5	10/06/23	PS	SW8082A
PCB-1260	ND	0.91	mg/kg	5	10/06/23	PS	SW8082A
PCB-1262	ND	0.91	mg/kg	5	10/06/23	PS	SW8082A
PCB-1268	ND	0.91	mg/kg	5	10/06/23	PS	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	31		%	5	10/06/23	PS	30 - 150 %
% DCBP (Confirmation)	30		%	5	10/06/23	PS	30 - 150 %
% TCMX	26		%	5	10/06/23	PS	30 - 150 %
% TCMX (Confirmation)	26		%	5	10/06/23	PS	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

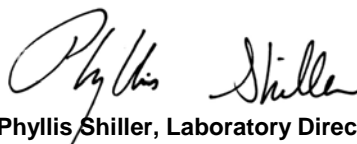
**PCB Comment:**

Poor surrogate recovery was observed for PCBs. Sample was re-extracted with similar results.

Low TCMX surrogate was observed. A low bias is not suspected because the surrogate Decachlorobiphenyl recovery was within acceptance criteria and PCBs behave similarly to Decachlorobiphenyl.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13126

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-22A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/04/23	/R/RB, ACSW3540C	
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1221	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1232	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1242	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1248	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1254	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1260	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1262	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
PCB-1268	ND	0.79	mg/kg	5	10/05/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	42		%	5	10/05/23	SC	30 - 150 %
% DCBP (Confirmation)	39		%	5	10/05/23	SC	30 - 150 %
% TCMX	37		%	5	10/05/23	SC	30 - 150 %
% TCMX (Confirmation)	38		%	5	10/05/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

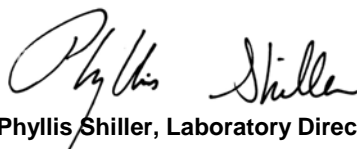
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill  
 145 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: CAULK  
 Location Code: F&O-LABRESPCB  
 Rush Request: 72 Std  
 P.O.#: 20230389.A10

Custody Information

Collected by:  
 Received by: CP  
 Analyzed by: see "By" below

Date

09/29/23  
 10/02/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
 Phoenix ID: CP13127

Project ID: SILVER LANE PLAZA  
 Client ID: 092923SG-CC-22B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/04/23	/R/RB, ACSW3540C	
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.79	mg/kg	5	10/05/23	AW	SW8082A
PCB-1221	ND	0.79	mg/kg	5	10/05/23	AW	SW8082A
PCB-1232	ND	0.79	mg/kg	5	10/05/23	AW	SW8082A
PCB-1242	ND	0.79	mg/kg	5	10/05/23	AW	SW8082A
PCB-1248	ND	0.79	mg/kg	5	10/05/23	AW	SW8082A
PCB-1254	ND	0.79	mg/kg	5	10/05/23	AW	SW8082A
PCB-1260	ND	0.79	mg/kg	5	10/05/23	AW	SW8082A
PCB-1262	ND	0.79	mg/kg	5	10/05/23	AW	SW8082A
PCB-1268	ND	0.79	mg/kg	5	10/05/23	AW	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	77		%	5	10/05/23	AW	30 - 150 %
% DCBP (Confirmation)	78		%	5	10/05/23	AW	30 - 150 %
% TCMX	69		%	5	10/05/23	AW	30 - 150 %
% TCMX (Confirmation)	68		%	5	10/05/23	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

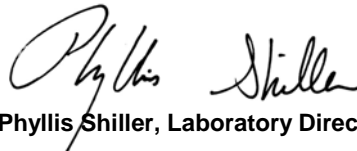
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 13, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: CAULK  
Location Code: F&O-LABRESPCB  
Rush Request: 72 Std  
P.O.#: 20230389.A10

Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

Date

09/29/23

Time

11:40

Laboratory Data

SDG ID: GCP13063  
Phoenix ID: CP13128

Project ID: SILVER LANE PLAZA  
Client ID: 092923SG-CC-22C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				10/04/23	/R/RB, ACSW3540C	
<b><u>PCB (Soxhlet SW3540C)</u></b>							
PCB-1016	ND	0.45	mg/kg	2	10/05/23	AW	SW8082A
PCB-1221	ND	0.45	mg/kg	2	10/05/23	AW	SW8082A
PCB-1232	ND	0.45	mg/kg	2	10/05/23	AW	SW8082A
PCB-1242	ND	0.45	mg/kg	2	10/05/23	AW	SW8082A
PCB-1248	ND	0.45	mg/kg	2	10/05/23	AW	SW8082A
PCB-1254	ND	0.45	mg/kg	2	10/05/23	AW	SW8082A
PCB-1260	ND	0.45	mg/kg	2	10/05/23	AW	SW8082A
PCB-1262	ND	0.45	mg/kg	2	10/05/23	AW	SW8082A
PCB-1268	ND	0.45	mg/kg	2	10/05/23	AW	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	81		%	2	10/05/23	AW	30 - 150 %
% DCBP (Confirmation)	74		%	2	10/05/23	AW	30 - 150 %
% TCMX	75		%	2	10/05/23	AW	30 - 150 %
% TCMX (Confirmation)	70		%	2	10/05/23	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

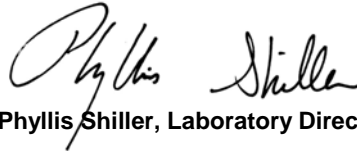
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 13, 2023**

**Reviewed and Released by: Phyllis Shiller, Laboratory Director**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102

# QA/QC Report

October 13, 2023

## QA/QC Data

SDG I.D.: GCP13063

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
-----------	-------	-----------	----------	-----------	------------	---------	----------	-----------	--------------------	--------------------

QA/QC Batch 700092 (ug/Kg), QC Sample No: CP12282 10X (CP13101, CP13105, CP13106, CP13107, CP13108, CP13109, CP13110, CP13111, CP13112, CP13113, CP13114, CP13115)

### Polychlorinated Biphenyls

PCB-1016	ND	170	93	100	7.3				40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	92	96	4.3				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	103	%	106	108	1.9				30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	107	%	104	100	3.9				30 - 150	30
% TCMX (Surrogate Rec)	84	%	87	89	2.3				30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	88	%	92	94	2.2				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 700426 (ug/Kg), QC Sample No: CP13048 10X (CP13072, CP13102, CP13104, CP13123, CP13124, CP13125)

### Polychlorinated Biphenyls

PCB-1016	ND	170	94	91	3.2				40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	96	89	7.6				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	106	%	106	99	6.8				30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	101	%	101	92	9.3				30 - 150	30
% TCMX (Surrogate Rec)	88	%	87	84	3.5				30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	91	%	92	86	6.7				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 700668 (ug/Kg), QC Sample No: CP13052 10X (CP13103)

### Polychlorinated Biphenyls

PCB-1016	ND	170	30	54	57.1				40 - 140	30	l,r
PCB-1221	ND	170							40 - 140	30	
PCB-1232	ND	170							40 - 140	30	
PCB-1242	ND	170							40 - 140	30	
PCB-1248	ND	170							40 - 140	30	

## QA/QC Data

SDG I.D.: GCP13063

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	77	73	5.3				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	115	%	111	92	18.7				30 - 150	30
% DCBP (Surrogate Rec) (Confirm	103	%	127	87	37.4				30 - 150	30
% TCMX (Surrogate Rec)	115	%	13	12	8.0				30 - 150	30
% TCMX (Surrogate Rec) (Confirm	106	%	13	12	8.0				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 699900 (ug/Kg), QC Sample No: CP13056 10X (CP13063, CP13064, CP13065)

### Polychlorinated Biphenyls

PCB-1016	ND	170	102	98	4.0				40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	99	94	5.2				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	92	%	90	107	17.3				30 - 150	30
% DCBP (Surrogate Rec) (Confirm	89	%	86	105	19.9				30 - 150	30
% TCMX (Surrogate Rec)	83	%	82	84	2.4				30 - 150	30
% TCMX (Surrogate Rec) (Confirm	79	%	79	89	11.9				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 699917 (ug/Kg), QC Sample No: CP13066 10X (CP13066, CP13067, CP13068, CP13069, CP13070, CP13071, CP13073, CP13074, CP13075, CP13076, CP13077, CP13078, CP13079, CP13080, CP13081, CP13082, CP13083, CP13084, CP13085)

### Polychlorinated Biphenyls

PCB-1016	ND	170	95	98	3.1				40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	94	100	6.2				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	105	%	110	107	2.8				30 - 150	30
% DCBP (Surrogate Rec) (Confirm	102	%	105	102	2.9				30 - 150	30
% TCMX (Surrogate Rec)	82	%	86	84	2.4				30 - 150	30
% TCMX (Surrogate Rec) (Confirm	85	%	90	88	2.2				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 699960 (ug/Kg), QC Sample No: CP13086 10X (CP13086, CP13087, CP13088, CP13089, CP13090, CP13091, CP13092, CP13093, CP13094, CP13095, CP13096, CP13097, CP13098, CP13099, CP13100)

### Polychlorinated Biphenyls

PCB-1016	ND	170	102	108	5.7				40 - 140	30
PCB-1221	ND	170							40 - 140	30

QA/QC Data

SDG I.D.: GCP13063

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	109	108	0.9				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	103	%	105	98	6.9				30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	102	%	100	95	5.1				30 - 150	30
% TCMX (Surrogate Rec)	94	%	67	91	30.4				30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	89	%	66	89	29.7				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 700093 (ug/Kg), QC Sample No: CP13116 10X (CP13116, CP13117, CP13118, CP13119, CP13120, CP13121, CP13122, CP13126, CP13127, CP13128)

Polychlorinated Biphenyls

PCB-1016	ND	170	95	97	2.1				40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	94	95	1.1				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	108	%	108	108	0.0				30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	105	%	101	101	0.0				30 - 150	30
% TCMX (Surrogate Rec)	85	%	85	86	1.2				30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	88	%	88	88	0.0				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

October 13, 2023

Friday, October 13, 2023

Criteria: None

State: CT

# Sample Criteria Exceedances Report

## GCP13063 - FO-LABRESPCB

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CP13086	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	1.1	0.44	1	1	mg/kg
CP13087	\$PCB_SOXR	PCB-1016	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13087	\$PCB_SOXR	PCB-1221	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13087	\$PCB_SOXR	PCB-1232	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13087	\$PCB_SOXR	PCB-1242	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13087	\$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13087	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	2900	390	1	1	mg/kg
CP13087	\$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13087	\$PCB_SOXR	PCB-1262	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13087	\$PCB_SOXR	PCB-1268	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13088	\$PCB_SOXR	PCB-1242	CT / Requested PCB RL /	ND	2300	1	1	mg/kg
CP13088	\$PCB_SOXR	PCB-1268	CT / Requested PCB RL /	ND	2300	1	1	mg/kg
CP13088	\$PCB_SOXR	PCB-1262	CT / Requested PCB RL /	ND	2300	1	1	mg/kg
CP13088	\$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	ND	2300	1	1	mg/kg
CP13088	\$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	ND	2300	1	1	mg/kg
CP13088	\$PCB_SOXR	PCB-1232	CT / Requested PCB RL /	ND	2300	1	1	mg/kg
CP13088	\$PCB_SOXR	PCB-1221	CT / Requested PCB RL /	ND	2300	1	1	mg/kg
CP13088	\$PCB_SOXR	PCB-1016	CT / Requested PCB RL /	ND	2300	1	1	mg/kg
CP13088	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	5400	2300	1	1	mg/kg
CP13089	\$PCB_SOXR	PCB-1268	CT / Requested PCB RL /	ND	410	1	1	mg/kg
CP13089	\$PCB_SOXR	PCB-1016	CT / Requested PCB RL /	ND	410	1	1	mg/kg
CP13089	\$PCB_SOXR	PCB-1221	CT / Requested PCB RL /	ND	410	1	1	mg/kg
CP13089	\$PCB_SOXR	PCB-1232	CT / Requested PCB RL /	ND	410	1	1	mg/kg
CP13089	\$PCB_SOXR	PCB-1242	CT / Requested PCB RL /	ND	410	1	1	mg/kg
CP13089	\$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	ND	410	1	1	mg/kg
CP13089	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	4300	410	1	1	mg/kg
CP13089	\$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	ND	410	1	1	mg/kg
CP13089	\$PCB_SOXR	PCB-1262	CT / Requested PCB RL /	ND	410	1	1	mg/kg
CP13090	\$PCB_SOXR	PCB-1232	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13090	\$PCB_SOXR	PCB-1242	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13090	\$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13090	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	3700	390	1	1	mg/kg
CP13090	\$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13090	\$PCB_SOXR	PCB-1262	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13090	\$PCB_SOXR	PCB-1268	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13090	\$PCB_SOXR	PCB-1016	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13090	\$PCB_SOXR	PCB-1221	CT / Requested PCB RL /	ND	390	1	1	mg/kg
CP13091	\$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	ND	500	1	1	mg/kg



Friday, October 13, 2023

Criteria: None

State: CT

## Sample Criteria Exceedances Report

**GCP13063 - FO-LABRESPCB**

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CP13091	\$PCB_SOXR	PCB-1268	CT / Requested PCB RL /	ND	500	1	1	mg/kg
CP13091	\$PCB_SOXR	PCB-1262	CT / Requested PCB RL /	ND	500	1	1	mg/kg
CP13091	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	5100	500	1	1	mg/kg
CP13091	\$PCB_SOXR	PCB-1232	CT / Requested PCB RL /	ND	500	1	1	mg/kg
CP13091	\$PCB_SOXR	PCB-1221	CT / Requested PCB RL /	ND	500	1	1	mg/kg
CP13091	\$PCB_SOXR	PCB-1016	CT / Requested PCB RL /	ND	500	1	1	mg/kg
CP13091	\$PCB_SOXR	PCB-1242	CT / Requested PCB RL /	ND	500	1	1	mg/kg
CP13091	\$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	ND	500	1	1	mg/kg
CP13092	\$PCB_SOXR	PCB-1232	CT / Requested PCB RL /	ND	400	1	1	mg/kg
CP13092	\$PCB_SOXR	PCB-1268	CT / Requested PCB RL /	ND	400	1	1	mg/kg
CP13092	\$PCB_SOXR	PCB-1262	CT / Requested PCB RL /	ND	400	1	1	mg/kg
CP13092	\$PCB_SOXR	PCB-1260	CT / Requested PCB RL /	ND	400	1	1	mg/kg
CP13092	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	3300	400	1	1	mg/kg
CP13092	\$PCB_SOXR	PCB-1242	CT / Requested PCB RL /	ND	400	1	1	mg/kg
CP13092	\$PCB_SOXR	PCB-1221	CT / Requested PCB RL /	ND	400	1	1	mg/kg
CP13092	\$PCB_SOXR	PCB-1016	CT / Requested PCB RL /	ND	400	1	1	mg/kg
CP13092	\$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	ND	400	1	1	mg/kg
CP13096	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	1.4	0.91	1	1	mg/kg
CP13097	\$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	2.8	0.49	1	1	mg/kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



## REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

**Laboratory Name:** Phoenix Environmental Labs, Inc.

**Client:** Fuss & O'Neill

**Project Location:** SILVER LANE PLAZA

**Project Number:**

**Laboratory Sample ID(s):** CP13063-CP13128

**Sampling Date(s):** 9/29/2023

**List RCP Methods Used (e.g., 8260, 8270, et cetera)** 8082

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>YPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? See Section: PCB Narration.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody?  b) Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

**Authorized Signature:** Phyllis Shiller **Position:** Laboratory Director

**Printed Name:** Phyllis Shiller **Date:** Friday, October 13, 2023

**Name of Laboratory** Phoenix Environmental Labs, Inc.

**This certification form is to be used for RCP methods only.**



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

October 13, 2023

SDG I.D.: GCP13063

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

**QC Batch 700668 (Samples: CP13103): -----**

**One or more surrogates is outside of criteria. (% TCMX (Surrogate Rec), % TCMX (Surrogate Rec) (Confirmation))**

**The LCS and/or the LCSD recovery is below the method criteria. All of the other QC is acceptable, therefore no significant bias is suspected. (PCB-1016)**

**The LCS/LCSD RPD exceeds the method criteria for one or more analytes, but these analytes were not reported in the sample(s) so no variability is suspected. (PCB-1016)**

**The LCS/LCSD RPD exceeds the method criteria for one or more surrogates, therefore there may be variability in the reported result. (% DCBP (Surrogate Rec) (Confirmation))**

### Instrument:

**AU-ECD1 10/05/23-1** Saadia Chudary, Chemist 10/05/23

CP13110 (5X), CP13111 (2X), CP13116 (5X)

The initial calibration (PC0925AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC0925BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

**AU-ECD24 10/04/23-1** Saadia Chudary, Chemist 10/04/23

CP13063 (2X), CP13064 (5X), CP13065 (2X), CP13067 (5X), CP13069 (2X), CP13075 (5X), CP13077 (5X), CP13079 (5X), CP13083 (2X)

The initial calibration (PC1002AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC1002BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

**AU-ECD24 10/05/23-1** Saadia Chudary, Chemist 10/05/23

CP13096 (2X), CP13109 (2X), CP13113 (5X), CP13127 (5X)

The initial calibration (PC0929AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC0929BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

**AU-ECD24 10/06/23-1** Saadia Chudary, Chemist 10/06/23

CP13102 (2X), CP13104 (2X)

The initial calibration (PC0929AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC0929BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

**AU-ECD29 10/04/23-1** Saadia Chudary, Chemist 10/04/23

CP13074 (2X), CP13081 (2X), CP13082 (2X), CP13084 (5X), CP13085 (5X), CP13086 (2X, 10X), CP13099 (5X)

The initial calibration (PC0826AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC0826BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

**AU-ECD29 10/05/23-1** Saadia Chudary, Chemist 10/05/23

CP13118 (5X), CP13122 (5X)



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

October 13, 2023

SDG I.D.: GCP13063

### **PCB Narration**

The initial calibration (PC0826AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC0826BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

**AU-ECD29 10/06/23-1** Saadia Chudary, Chemist 10/06/23

CP13124 (5X)

The initial calibration (PC0826AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC0826BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

**AU-ECD3 10/05/23-1** Saadia Chudary, Chemist 10/05/23

CP13108 (2X), CP13115 (2X)

The initial calibration (PC0915AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC0915BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

**AU-ECD48 10/05/23-1** Saadia Chudary, Chemist 10/05/23

CP13101 (5X), CP13105 (2X), CP13114 (2X), CP13119 (5X), CP13120 (5X), CP13121 (2X), CP13126 (5X)

The initial calibration (PC0609AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC0609BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds:

Samples: CP13101, CP13105, CP13114, CP13119, CP13120, CP13121, CP13126

Preceding CC O05A003 - None.

Succeeding CC O05A023 - PCB 1260 16%H (%)

Samples: CP13101, CP13105, CP13114, CP13119, CP13120, CP13121, CP13126

Preceding CC O05B003 - DCBP SURR -17%L (15%)

Succeeding CC O05B023 - PCB 1016 16%H (%), PCB 1260 21%H (%)

**AU-ECD5 10/04/23-1** Saadia Chudary, Chemist 10/04/23

CP13066 (5X), CP13068 (5X), CP13070 (2X), CP13071 (2X), CP13073 (2X), CP13076 (5X), CP13078 (5X), CP13080 (5X), CP13087 (2500X),  
CP13088 (10000X), CP13089 (2000X), CP13090 (2500X), CP13091 (2000X), CP13092 (2500X), CP13093 (2X), CP13094 (2X), CP13095 (2X),  
CP13097 (2X), CP13098 (2X), CP13100 (2X)

The initial calibration (PC0912AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC0912BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

**AU-ECD5 10/05/23-1** Saadia Chudary, Chemist 10/05/23

CP13106 (2X), CP13107 (2X), CP13112 (5X), CP13128 (2X)

The initial calibration (PC0912AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC0912BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

**AU-ECD5 10/07/23-1** Keith Aloisa, Chemist 10/07/23

CP13103 (2X)

The initial calibration (PC0912AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC0912BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

**AU-ECD7 10/05/23-1** Saadia Chudary, Chemist 10/05/23

CP13117 (5X)



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

October 13, 2023

SDG I.D.: GCP13063

### **PCB Narration**

The initial calibration (PC0808AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC0808BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds:

Samples: CP13117

Preceding CC O05B003 - None.

Succeeding CC O05B021 - DCBP SURR 17%H (15%), PCB 1260 20%H (%)

#### **AU-ECD7 10/06/23-1**

Saadia Chudary, Chemist 10/06/23

CP13072 (2X)

The initial calibration (PC0808AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC0808BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds:

Samples: CP13072

Preceding CC O06B027 - DCBP SURR 19%H (15%), PCB 1260 23%H (%)

Succeeding CC O06B040 - DCBP SURR 22%H (15%), PCB 1260 24%H (%)

#### **AU-ECD8 10/06/23-1**

Saadia Chudary, Chemist 10/06/23

CP13123 (2X), CP13125 (5X)

The initial calibration (PC0911AI) RSD for the compound list was less than 20% except for the following compounds: None.  
The initial calibration (PC0911BI) RSD for the compound list was less than 20% except for the following compounds: None.  
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

### **QC (Batch Specific):**

#### **Batch 699900 (CP13056)**

CP13063, CP13064, CP13065

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

#### **Batch 699917 (CP13066)**

CP13066, CP13067, CP13068, CP13069, CP13070, CP13071, CP13073, CP13074, CP13075, CP13076, CP13077, CP13078, CP13079, CP13080, CP13081, CP13082, CP13083, CP13084, CP13085

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

#### **Batch 699960 (CP13086)**

CP13086, CP13087, CP13088, CP13089, CP13090, CP13091, CP13092, CP13093, CP13094, CP13095, CP13096, CP13097, CP13098, CP13099, CP13100

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

#### **Batch 700092 (CP12282)**

CP13101, CP13105, CP13106, CP13107, CP13108, CP13109, CP13110, CP13111, CP13112, CP13113, CP13114, CP13115



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

October 13, 2023

SDG I.D.: GCP13063

---

### ***PCB Narration***

All LCS recoveries were within 40 - 140 with the following exceptions: None.  
All LCSD recoveries were within 40 - 140 with the following exceptions: None.  
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.  
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

#### **Batch 700093 (CP13116)**

CP13116, CP13117, CP13118, CP13119, CP13120, CP13121, CP13122, CP13126, CP13127, CP13128  
All LCS recoveries were within 40 - 140 with the following exceptions: None.  
All LCSD recoveries were within 40 - 140 with the following exceptions: None.  
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.  
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

#### **Batch 700426 (CP13048)**

CP13072, CP13102, CP13104, CP13123, CP13124, CP13125  
All LCS recoveries were within 40 - 140 with the following exceptions: None.  
All LCSD recoveries were within 40 - 140 with the following exceptions: None.  
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.  
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

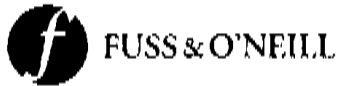
#### **Batch 700668 (CP13052)**

CP13103  
All LCS recoveries were within 40 - 140 with the following exceptions: % TCMX (Surrogate Rec)(13%), % TCMX (Surrogate Rec) (Confirmation)(13%), PCB-1016(30%)  
All LCSD recoveries were within 40 - 140 with the following exceptions: % TCMX (Surrogate Rec)(12%), % TCMX (Surrogate Rec) (Confirmation)(12%)  
All LCS/LCSD RPDs were less than 30% with the following exceptions: % DCBP (Surrogate Rec) (Confirmation)(37.4%), PCB-1016(57.1%)  
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

---

### ***Temperature Narration***

The samples were received at 4.1C with cooling initiated.  
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



146 Hartford Road, Manchester, CT 06040

4.10WGC  
1P

7 DAY  
TURN AROUND

www.fando.com  
(860) 646-2469 Fax (860) 649-6883

PCB Bulk Sample Chain of Custody Form

Sheet L of 5

Project Name: Hartford Silver Lane Plaza Project Number: 2023 0389 A10 Date: 9/29/2023  
 Site Address: 118 Silver Lane, East Hartford CT Building Name/Number: Bldg 1 - 5 Project Manager: Carlos Texidor  
Exterior

Sample ID	Sample Location	Material	Substrate(s)	Conc. Code (Below)
09292356-CC				
09292356CC-01A	Bldg 1 - South Window 1.	Tan window Cask / Glaze	Glass / Metal	13063
09292356CC-01B	" " Window 2	" " " "	" "	13064
01C	" " Window 3	" " " "	" "	13065
02A	Bldg 1 - South - Window / Door	Black Window Cask / Glaze	Glass / Metal	13066
02B	" " " "	" " " "	" "	13067
02C	" " " "	" " " "	" "	13068
03A	Bldg 1 - West - Door	Light Tan Door Cask	Metal / Metal	13069
03B	" " " "	" " " "	" "	13070
03C	" " " "	" " " "	" "	13071
04A	Bldg 1 - North Side Door	Light Gray Door Cask	Metal / Metal	13072
04B	" " " "	" " " "	" "	13073
04C	" " " "	" " " "	" "	13074
05A	Bldg 2 - South Window 9	Light Gray window Cask / Glaze	Metal / Glass	13075
05B	" " Window 9	" " " "	" "	13076
05C	" " Window 13	" " " "	" "	13077
06A	Bldg 2 - South - Window 3	Silver Window Glaze / Cask	Metal / Glass	13078
06B	" " " "	" " " "	" "	13079



FUSS & O'NEILL

146 Hartford Road, Manchester, CT 06040

www.fando.com  
(860) 646-2469 Fax (860) 649-6883

4.1 owc  
IP

PCB Bulk Sample Chain of Custody Form

Sheet 2 of 5

Project Name: Hartford Silver Lane Plaza Project Number: 2023 0389 A10 Date: 9/29/2023  
Site Address: 118 Silver Lane East Hartford, CT Building Name/Number: Bldg 1-5 exterior Project Manager: Carlos Texidor

Sample ID	Sample Location	Material	Substrate(s)	Conc. Code (Below)
09292356-CC 06C	Bldg 2 South window 3	S. Inc. Window Glaze/Caulk	Metal/Glass	13080
07A	Bldg 2 South window 10	Black Window Glaze/Caulk	Metal/Glass	13081
07B	" " " "	" " " "	" "	13082
07C	" " " "	" " " "	" "	13083
08A	Bldg 3 South Door 2	Gray Door/window caulk	Metal/Glass	13084
08B	" " " "	" " " "	" "	13085
08C	" " " "	" " " "	" "	13086
09A	Bldg 3 South-Door window 1	White Door Window Glazing	Metal/Glass	13087
09B	" " Door/window 2	" " " "	" "	13088
09C	" " " / " "	" " " "	" "	13089
10A	Bldg 4 Window above door	White Window Glazing	Metal/Glaze	13090
10B	" " " "	White " "	" "	13091
10C	" " " "	" " " "	" "	13092
11A	Bldg 4 Window 3	Light Gray Window caulk/glaze	Metal/Glass	13093
11B	" " " "	" " " "	" "	13094
11C	" " " "	" " " "	" "	13095
12A	Bldg 4 Window caulk (ext)	White Window Calking	Metal/Brick	13096





FUSS & O'NEILL

146 Hartford Road, Manchester, CT 06040

www.fando.com  
(860) 646-2469 Fax (860) 649-6883

4.1 owc  
ip

### PCB Bulk Sample Chain of Custody Form

Sheet 3 of 5

Project Name: Hartford Silver Lane Plaza Project Number: 20230389.A10 Date: 9/24/2023  
 Site Address: 81B Silver Lane, East Hartford, CT Building Name/Number: Bldg 1-5 External Project Manager: Carlos Texeira

Sample ID	Sample Location	Material	Substrate(s)	Conc. Code (Below)
097923 SB-CC-12B	Bldg 4 Window Caulk (East)	White Window Caulking	Metal/Brick	13097
12C	" " " " "	" " "	" "	13098
13A	Bldg 5 West Door Caulk -	Black Door Caulking	Metal/Brick	13099
13B	" West " "	" " "	" "	13100
13C	" " " " " Eng	" " "	" "	13101
14A	Bldg 5 West Upper Window 2.	White Window Caulking	Metal/Gypsum Board	13102
14B	" " " " "	" " "	" "	13103
14C	" " " " "	" " "	" "	13104
15A	Bldg 5 West Window 1	Black Window Caulking	Metal/Brick	13105
15B	" " 1	" " "	" / "	13106
15C	" " 6	" " "	" / "	13107
16A	Bldg 5 East window 5	Black Window Glazing	Metal/Glass	13108
16B	" " " 7	" " "	" / Glass	13109
16C	" " " 7	" " "	" - "	13110
17A	Bldg 5 East - Door (west side)	Gray Door Caulking	Metal/Metal	13111
17B	" " " (west side)	" " "	" "	13112
17C	" " " (east side)	" " "	" "	13113



146 Hartford Road, Manchester, CT 06040

www.fando.com  
(860) 646-2469 Fax (860) 649-6883

4.1 owc  
10

**PCB Bulk Sample Chain of Custody Form**

Sheet 4 of 5

Project Name: Hartford Silver Lane Plaza Project Number: 20230389.110

Date: 9/29/2023

Site Address: 110 Silver Lane, East Hartford, CT Building Name/Number: Bldg 1-5  
EXTERIOR

Project Manager: Carla Tendo

Sample ID	Sample Location	Material	Substrate(s)	Conc. Code (Below)
09292756CC-18A	Bldg 5 - East window system	Light Gray Window Caulking	Metal/Metal	13114
18B	" " " "	" " "	" "	13115
18C	" " " "	" " "	" "	13116
19A	Bldg 5 - East window (East side)	Dark Gray Window Caulking	Metal/Brick	13117
19B	" " " "	" " "	" "	13118
19C	" " " "	" " "	" "	13119
20A	Bldg 5 - East <sup>North side</sup> Door	Gray/White Garage Door Caulking	Metal/Concrete Block	13120
20B	" " " "	" " "	" "	13121
20C	" " " "	" " "	" "	13122
21A	Bldg 5 - <sup>North side</sup> Garage Door	White Garage Door Caulking	Metal/Concrete Block	13123
21B	" " " "	" " "	" "	13124
21C	" " " "	" " "	" "	13125
22A	Bldg 3 - North side Garage Door	White Garage Door Caulking	Metal/Concrete Block	13126
22B	" " " "	" " "	" "	13127
22C	" " " "	" " "	" "	13128
			➔ Continue	



146 Hartford Road, Manchester, CT 06040

www.fando.com  
(860) 646-2469 Fax (860) 649-6883

4.1<sup>owc</sup>  
LD

### PCB Bulk Sample Chain of Custody Form

Project Name: Hartford Silver Lane Plaza Project Number: 70730384.A10 Date: 9/29/23 Sheet 5 of 5  
 Site Address: 918 Silver Lane, Hartford, CT Building Name/Number: Bldg 1-5 Project Manager: C Texidor

Sample ID	Sample Location	Material	Substrate(s)	Conc. Code (Below)

Analysis Method: EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis) Laboratory: Phoenix Turnaround Time: 7 Day

Concentration Code: H=High, M=Medium, L=Low, C=Clean, U=Unknown

E-Mail PDF of Results to LabResults@fando.com C.Texidor@fando.com

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps

Samples Collected By: Sundularamy/Craig Cyr Contact Info: \_\_\_\_\_ Date: 9/29/23 Time: Throughout the Day

Relinquished [By][To] [ Atrium ] [ [Signature] ] Date: 10-2-23 Time: 11:40

Relinquished [By][To] [ \_\_\_\_\_ ] [ \_\_\_\_\_ ] Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished [By][To] [ \_\_\_\_\_ ] [ \_\_\_\_\_ ] Date: \_\_\_\_\_ Time: \_\_\_\_\_



Friday, October 27, 2023

Attn: Carlos Texidor  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: SILVER LANE PLAZA  
SDG ID: GCP33544  
Sample ID#s: CP33544, CP33544, CP33547, CP33547, CP33550, CP33550

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller

Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Sample Id Cross Reference

October 27, 2023

SDG I.D.: GCP33544

Project ID: SILVER LANE PLAZA

---

Client Id	Lab Id	Matrix
102523-CC-03A	CP33544	WIPE
102523-CC-03A	CP33544	WIPE
102523-CC-04A	CP33547	WIPE
102523-CC-05A	CP33550	WIPE



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 27, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill, Inc.  
 146 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: WIPE  
 Location Code: F&O-LABRESPCB  
 Rush Request: 24 Hour  
 P.O.#: 20230389.A10

Custody Information

Collected by: CC  
 Received by: SR1  
 Analyzed by: see "By" below

Date

10/25/23  
 10/25/23

Time

12:30  
 15:47

Laboratory Data

SDG ID: GCP33544  
 Phoenix ID: CP33544

Project ID: SILVER LANE PLAZA  
 Client ID: 102523-CC-03A

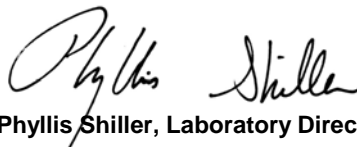
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				10/25/23	B/R/RB	SW3540C
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1221	ND	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1232	ND	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1242	ND	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1248	ND	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1254	0.57	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1260	ND	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1262	ND	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1268	ND	0.50	ug	1	10/26/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	96		%	1	10/26/23	SC	30 - 150 %
% DCBP (Confirmation)	88		%	1	10/26/23	SC	30 - 150 %
% TCMX	85		%	1	10/26/23	SC	30 - 150 %
% TCMX (Confirmation)	82		%	1	10/26/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 27, 2023**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 27, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: WIPE  
Location Code: F&O-LABRESPCB  
Rush Request: 24 Hour  
P.O.#: 20230389.A10

Custody Information

Collected by: CC  
Received by: SR1  
Analyzed by: see "By" below

Date

10/25/23  
10/25/23

Time

12:30  
15:47

Laboratory Data

SDG ID: GCP33544  
Phoenix ID: CP33547

Project ID: SILVER LANE PLAZA  
Client ID: 102523-CC-04A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				10/25/23	B/R/RB	SW3540C

**Polychlorinated Biphenyls**

PCB-1016	ND	2.5	ug	5	10/26/23	SC	SW8082A
PCB-1221	ND	2.5	ug	5	10/26/23	SC	SW8082A
PCB-1232	ND	2.5	ug	5	10/26/23	SC	SW8082A
PCB-1242	ND	2.5	ug	5	10/26/23	SC	SW8082A
PCB-1248	ND	2.5	ug	5	10/26/23	SC	SW8082A
PCB-1254	16	2.5	ug	5	10/26/23	SC	SW8082A
PCB-1260	ND	2.5	ug	5	10/26/23	SC	SW8082A
PCB-1262	ND	2.5	ug	5	10/26/23	SC	SW8082A
PCB-1268	ND	2.5	ug	5	10/26/23	SC	SW8082A

**QA/QC Surrogates**

% DCBP	112		%	5	10/26/23	SC	30 - 150 %
% DCBP (Confirmation)	102		%	5	10/26/23	SC	30 - 150 %
% TCMX	97		%	5	10/26/23	SC	30 - 150 %
% TCMX (Confirmation)	90		%	5	10/26/23	SC	30 - 150 %

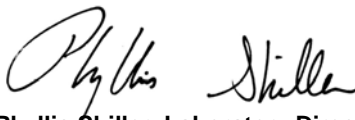


Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 27, 2023**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 27, 2023

FOR: Attn: Carlos Texidor  
 Fuss & O'Neill, Inc.  
 146 Hartford Road  
 Manchester, CT 06040

Sample Information

Matrix: WIPE  
 Location Code: F&O-LABRESPCB  
 Rush Request: 24 Hour  
 P.O.#: 20230389.A10

Custody Information

Collected by: CC  
 Received by: SR1  
 Analyzed by: see "By" below

Date

10/25/23  
 10/25/23

Time

12:30  
 15:47

Laboratory Data

SDG ID: GCP33544  
 Phoenix ID: CP33550

Project ID: SILVER LANE PLAZA  
 Client ID: 102523-CC-05A

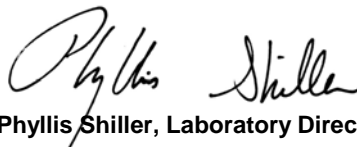
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Wipe Extraction	Completed				10/25/23	B/R/RB	SW3540C
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1221	ND	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1232	ND	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1242	ND	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1248	ND	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1254	ND	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1260	ND	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1262	ND	0.50	ug	1	10/26/23	SC	SW8082A
PCB-1268	ND	0.50	ug	1	10/26/23	SC	SW8082A
<b><u>QA/QC Surrogates</u></b>							
% DCBP	95		%	1	10/26/23	SC	30 - 150 %
% DCBP (Confirmation)	93		%	1	10/26/23	SC	30 - 150 %
% TCMX	85		%	1	10/26/23	SC	30 - 150 %
% TCMX (Confirmation)	79		%	1	10/26/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 27, 2023**

**Reviewed and Released by: Ethan Lee, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102

# QA/QC Report

October 27, 2023

## QA/QC Data

SDG I.D.: GCP33544


Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 703502 (ug), QC Sample No: CP33070 (CP33544, CP33547, CP33550)										
<u>Polychlorinated Biphenyl</u>										
PCB-1016	ND	0.50	100	88	12.8				40 - 140	30
PCB-1221	ND	0.50							40 - 140	30
PCB-1232	ND	0.50							40 - 140	30
PCB-1242	ND	0.50							40 - 140	30
PCB-1248	ND	0.50							40 - 140	30
PCB-1254	ND	0.50							40 - 140	30
PCB-1260	ND	0.50	100	100	0.0				40 - 140	30
PCB-1262	ND	0.50							40 - 140	30
PCB-1268	ND	0.50							40 - 140	30
% DCBP (Surrogate Rec)	86	%	91	98	7.4				30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	83	%	87	92	5.6				30 - 150	30
% TCMX (Surrogate Rec)	75	%	78	76	2.6				30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	75	%	78	76	2.6				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference

  
 Phyllis Shiller, Laboratory Director  
 October 27, 2023

Friday, October 27, 2023

Criteria: None

State: CT

## Sample Criteria Exceedances Report

GCP33544 - FO-LABRESPCB

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----------------	-------------------

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



# REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

**Laboratory Name:** Phoenix Environmental Labs, Inc.

**Client:** Fuss & O'Neill, Inc.

**Project Location:** SILVER LANE PLAZA

**Project Number:**

**Laboratory Sample ID(s):** CP33544,  
CP33547, CP33550

**Sampling Date(s):** 10/25/2023

**List RCP Methods Used (e.g., 8260, 8270, et cetera)** 8082

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u><i>YPH and EPH methods only:</i></u> Was the YPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody?  b) Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

**Authorized Signature:** Ethan Lee **Position:** Project Manager

**Printed Name:** Ethan Lee **Date:** Friday, October 27, 2023

**Name of Laboratory** Phoenix Environmental Labs, Inc.

**This certification form is to be used for RCP methods only.**



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

October 27, 2023

SDG I.D.: GCP33544

---

### **SDG Comments**

Temperature above 6C:

The samples were received in a cooler with ice or ice packs. The samples were delivered to the Laboratory within a short period of time after sample collection. Therefore no significant bias is suspected.

---

### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

#### **Instrument:**

**AU-ECD5 10/26/23-1** Saadia Chudary, Chemist 10/26/23

CP33544 (1X), CP33547 (5X), CP33550 (1X)

The initial calibration (PC1017AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1017BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

#### **QC (Batch Specific):**

##### **Batch 703502 (CP33070)**

CP33544, CP33547, CP33550

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

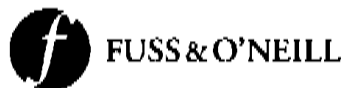
---

### **Temperature Narration**

The samples were received at 15.0C with cooling initiated.

(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

15.0 uwp



146 Hartford Road, Manchester, CT 06040

www.fando.com  
(860) 646 2469 Fax (860) 649-6883

### PCB Wipe Sample Chain of Custody Form

Sheet 1 of 2

Project Name: Silver Lane Plaza Project Number: 20230389.A10 Date: 10/25/2023

Site Address: 818 Silver Lane, East Hartford, CT Building Name/Number \_\_\_\_\_ Project Manager: Carlos Texidor

Sample ID	Sample Location	Surface	Area	Composite or Grab (C or G)
33544 102523 CC-03A	Bldg 3 west door 2/window frame - 1" from white window glaze (09B)	Metal window frame	16 square inches	g
33545 102523 CC-03B	Bldg 3 west door 2/window frame - 2" from white window glaze (09B)	Metal window frame	16 square inches	g
33546 102523 CC-03C	Bldg 3 west door 2/window frame - 3" from white window glaze (09B)	Metal window frame	16 square inches	g
33547 102523-CC-04A	Bldg 4 window frame above door - 1" from white window glaze (10B)	Metal window frame	16 square inches	g
33548 102523 CC-04B	Bldg 4 window frame above door - 2" from white window glaze (10B)	Metal window frame	16 square inches	g
33549 102523 CC-04C	Bldg 4 window frame above door - 3" from white window glaze (10B)	Metal window frame	16 square inches	g
33550 102523 CC-05A	Bldg 3 window frame east of door 2 - 1" from light gray window frame caulk (08C)	Metal window frame	16 square inches	g
33551 102523 CC-05B	Bldg 3 window frame east of door 2 - 2" from light gray window frame caulk (08C)	Metal window frame	16 square inches	g
33552 102523 CC-05C	Bldg 3 window frame east of door 2 - 3" from light gray window frame caulk (08C)	Metal window frame	16 square inches	g

Analysis Method: **EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis)** Laboratory: Phoenix Environmental Laboratories Turnaround Time: 24 hr

**Stop analyzing if first sample of each set is negative.**

(48-Hour is Fastest) **URGENT**

E-Mail PDF of Results to [LabResults@fando.com](mailto:LabResults@fando.com) and [Ctexidor@fando.com](mailto:Ctexidor@fando.com)

*Shirley Brown* 10/25/23 15:47



## Appendix H

---

### PCB Adjacent Substrate Laboratory Reports and Chain of Custody Forms



Monday, October 30, 2023

Attn: Carlos Texidor  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: SILVER LANE PLAZA  
SDG ID: GCP33538  
Sample ID#s: CP33538, CP33541

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller

Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Sample Id Cross Reference

October 30, 2023

SDG I.D.: GCP33538

Project ID: SILVER LANE PLAZA

---

Client Id	Lab Id	Matrix
102523-CC-01A	CP33538	BULK
102523-CC-02A	CP33541	BULK



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 30, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: BULK  
Location Code: F&O-LABRESPCB  
Rush Request: 24 Hour  
P.O.#: 20230389.A10

Custody Information

Collected by: CC  
Received by: SR1  
Analyzed by: see "By" below

Date

10/25/23  
10/25/23

Time

12:30  
15:47

Laboratory Data

SDG ID: GCP33538  
Phoenix ID: CP33538

Project ID: SILVER LANE PLAZA  
Client ID: 102523-CC-01A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100		%		10/25/23	CV	SW846-%Solid
Extraction for PCB	Completed				10/25/23	J/R/HL	SW3540C

**PCB (Soxhlet SW3540C)**

PCB-1016	ND	0.42	mg/kg	5	10/26/23	SC	SW8082A
PCB-1221	ND	0.42	mg/kg	5	10/26/23	SC	SW8082A
PCB-1232	ND	0.42	mg/kg	5	10/26/23	SC	SW8082A
PCB-1242	ND	0.42	mg/kg	5	10/26/23	SC	SW8082A
PCB-1248	ND	0.42	mg/kg	5	10/26/23	SC	SW8082A
PCB-1254	ND	0.42	mg/kg	5	10/26/23	SC	SW8082A
PCB-1260	ND	0.42	mg/kg	5	10/26/23	SC	SW8082A
PCB-1262	ND	0.42	mg/kg	5	10/26/23	SC	SW8082A
PCB-1268	ND	0.42	mg/kg	5	10/26/23	SC	SW8082A

**QA/QC Surrogates**

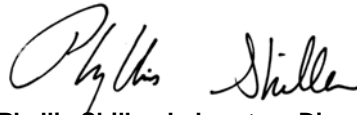
% DCBP	99		%	5	10/26/23	SC	30 - 150 %
% DCBP (Confirmation)	Interference		%	5	10/26/23	SC	30 - 150 %
% TCMX	92		%	5	10/26/23	SC	30 - 150 %
% TCMX (Confirmation)	92		%	5	10/26/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 30, 2023**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

October 30, 2023

FOR: Attn: Carlos Texidor  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: BULK  
Location Code: F&O-LABRESPCB  
Rush Request: 24 Hour  
P.O.#: 20230389.A10

Custody Information

Collected by: CC  
Received by: SR1  
Analyzed by: see "By" below

Date

10/25/23  
10/25/23

Time

12:30  
15:47

Laboratory Data

SDG ID: GCP33538  
Phoenix ID: CP33541

Project ID: SILVER LANE PLAZA  
Client ID: 102523-CC-02A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100		%		10/25/23	CV	SW846-%Solid
Extraction for PCB	Completed				10/25/23	J/R/HL	SW3540C

**PCB (Soxhlet SW3540C)**

PCB-1016	ND	0.46	mg/kg	5	10/26/23	SC	SW8082A
PCB-1221	ND	0.46	mg/kg	5	10/26/23	SC	SW8082A
PCB-1232	ND	0.46	mg/kg	5	10/26/23	SC	SW8082A
PCB-1242	ND	0.46	mg/kg	5	10/26/23	SC	SW8082A
PCB-1248	ND	0.46	mg/kg	5	10/26/23	SC	SW8082A
PCB-1254	ND	0.46	mg/kg	5	10/26/23	SC	SW8082A
PCB-1260	ND	0.46	mg/kg	5	10/26/23	SC	SW8082A
PCB-1262	ND	0.46	mg/kg	5	10/26/23	SC	SW8082A
PCB-1268	ND	0.46	mg/kg	5	10/26/23	SC	SW8082A

**QA/QC Surrogates**

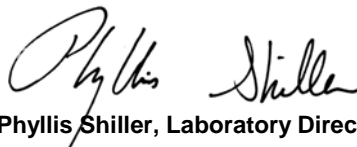
% DCBP	105		%	5	10/26/23	SC	30 - 150 %
% DCBP (Confirmation)	97		%	5	10/26/23	SC	30 - 150 %
% TCMX	101		%	5	10/26/23	SC	30 - 150 %
% TCMX (Confirmation)	98		%	5	10/26/23	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**October 30, 2023**

**Reviewed and Released by: Ethan Lee, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102

# QA/QC Report

October 30, 2023

## QA/QC Data

SDG I.D.: GCP33538

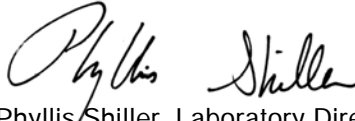
Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 703504 (ug/Kg), QC Sample No: CP31221 10X (CP33538, CP33541)										
<b>Polychlorinated Biphenyls - Bulk</b>										
PCB-1016	ND	170	105	104	1.0				40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	98	98	0.0				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	114	%	113	111	1.8				30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	116	%	130	125	3.9				30 - 150	30
% TCMX (Surrogate Rec)	87	%	93	91	2.2				30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	88	%	98	94	4.2				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference

  
 Phyllis Shiller, Laboratory Director  
 October 30, 2023



Monday, October 30, 2023

Criteria: None

State: CT

# Sample Criteria Exceedances Report

GCP33538 - FO-LABRESPCB

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----------------	-------------------

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



## REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

**Laboratory Name:** Phoenix Environmental Labs, Inc.

**Client:** Fuss & O'Neill, Inc.

**Project Location:** SILVER LANE PLAZA

**Project Number:**

**Laboratory Sample ID(s):** CP33538,  
CP33541

**Sampling Date(s):** 10/25/2023

**List RCP Methods Used (e.g., 8260, 8270, et cetera)** 8082

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>YPH and EPH methods only:</u> Was the YPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody?  b) Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

**Authorized Signature:** Ethan Lee **Position:** Project Manager

**Printed Name:** Ethan Lee **Date:** Monday, October 30, 2023

**Name of Laboratory** Phoenix Environmental Labs, Inc.

**This certification form is to be used for RCP methods only.**



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

October 30, 2023

SDG I.D.: GCP33538

---

### **SDG Comments**

Temperature above 6C:

The samples were received in a cooler with ice or ice packs. The samples were delivered to the Laboratory within a short period of time after sample collection. Therefore no significant bias is suspected.

---

### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

#### **Instrument:**

##### **AU-ECD24 10/26/23-1**

Saadia Chudary, Chemist 10/26/23

CP33538 (5X)

The initial calibration (PC1013AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1013BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:

Samples: CP33538

Preceding CC O26A003 - None.

Succeeding CC O26A019 - DCBP SURR -99%L (15%)

##### **AU-ECD3 10/26/23-1**

Saadia Chudary, Chemist 10/26/23

CP33541 (5X)

The initial calibration (PC0915AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC0915BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

#### **QC (Batch Specific):**

##### **Batch 703504 (CP31221)**

CP33538, CP33541

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

---

### **Temperature Narration**

The samples were received at 15.0C with cooling initiated.

(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



146 Hartford Road, Manchester, CT 06040

www.fando.com  
(860) 646-2469 Fax (860) 649-6883

15.0' WUP

### PCB Substrate Sample Chain of Custody Form

Sheet 1 of 2

Project Name: Silver Lane Plaza Project Number: 20230389.A10 Date: 10/25/2023

Site Address: 818 Silver Lane, East Hartford, CT Building Name/Number \_\_\_\_\_ Project Manager: Carlos Texidor

Sample ID	Sample Location	Material	Substrate(s)	Conc. Code (Below)
33538 102523-CC-01A	Bldg 4 east edge of window frame - 1" into brick from white window frame caulk (12B)	Brick	Brick	
33539 102523-CC-01B	Bldg 4 east edge of window frame - 2" into brick from white window frame caulk (12B)	Brick	Brick	
33540 102523-CC-01C	Bldg 4 east edge of window frame - 3" into brick from white window frame caulk (12B)	Brick	Brick	
33541 102523-CC-02A	Bldg 5 east edge of window frame - 1" into brick from dark gray window frame caulk (12B)	Brick	Brick	
33542 102523-CC-02B	Bldg 5 east edge of window frame - 2" into brick from dark gray window frame caulk (12B)	Brick	Brick	
33543 102523-CC-02C	Bldg 5 east edge of window frame - 3" into brick from dark gray window frame caulk (12B)	Brick	Brick	

Analysis Method: **EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis)**  
Concentration Code: **H=High, M=Medium, L=Low, C=Clean, U=Unknown**  
**Stop analyzing if first sample of each set is negative.**

Laboratory: Phoenix Environmental Laboratories

Turnaround Time: 24 hr  
**URGENT**

E-Mail PDF of Results to LabResults@fando.com and Ctexidor@fando.com

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps.

*Signature* 10/25/23 15:47

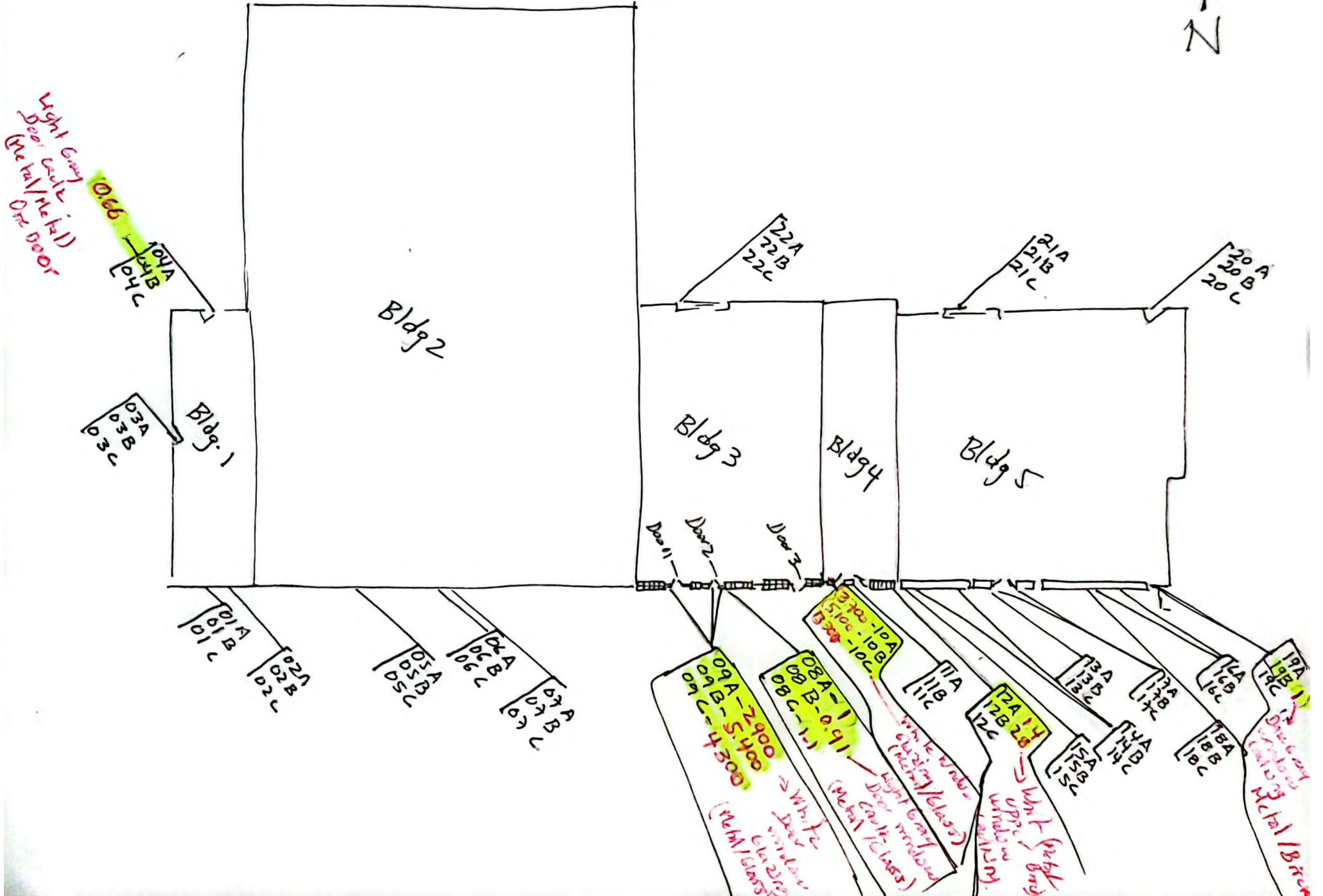
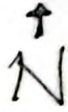
(48-Hour is Fastest)

## Appendix I

---

### Sample Location Diagrams

818 Silver Lane, East Hartford, CT  
 PCB's Sample location



**FORM CWM-2: DEMOLITION WASTE IDENTIFICATION**

MATERIAL DESCRIPTION	EST. QUANTITY	EST. VOLUME CY (CM)	EST. WEIGHT TONS (TONNES)	REMARKS AND ASSUMPTIONS
Asphaltic Concrete Paving				
Concrete				
Brick				
CMU				
Lumber				
Plywood and OSB				
Wood Paneling				
Wood Trim				
Miscellaneous Metals				
Structural Steel				
Rough Hardware				
Insulation				
Roofing				
Doors and Frames				
Door Hardware				
Windows				
Glazing				
Acoustical Tile				
Carpet				
Carpet Pad				
Demountable Partitions				
Equipment				
Cabinets				
Plumbing Fixtures				
Piping				
Piping Supports and Hangers				
Valves				
Sprinklers				
Mechanical Equipment				
Electrical Conduit				
Copper Wiring				
Light Fixtures				
Lamps				
Lighting Ballasts				
Electrical Devices				
Switchgear and Panelboards				
Transformers				
Other:				

**FORM CWM-4: DEMOLITION WASTE REDUCTION WORK PLAN**

MATERIAL CATEGORY	GENERATION POINT	TOTAL EST. QUANTITY OF WASTE TONS (TONNES)	DISPOSAL METHOD AND QUANTITY			HANDLING AND TRANSPORTION PROCEDURES
			EST. AMOUNT SALVAGED TONS (TONNES)	EST. AMOUNT RECYCLED TONS (TONNES)	EST. AMOUNT DISPOSED TO LANDFILL TONS (TONNES)	
Asphaltic Concrete Paving						
Concrete						
Brick						
CMU						
Lumber						
Plywood and OSB						
Wood Paneling						
Wood Trim						
Miscellaneous Metals						
Structural Steel						
Rough Hardware						
Insulation						
Roofing						
Doors and Frames						
Door Hardware						
Windows						
Glazing						
Acoustical Tile						
Carpet						
Carpet Pad						
Demountable Partitions						
Equipment						
Cabinets						
Plumbing Fixtures						
Piping						
Supports and Hangers						
Valves						
Sprinklers						
Mechanical Equipment						
Electrical Conduit						
Copper Wiring						
Light Fixtures						
Lamps						
Lighting Ballasts						
Electrical Devices						
Switchgear and Panelboards						
Transformers						
Other:						

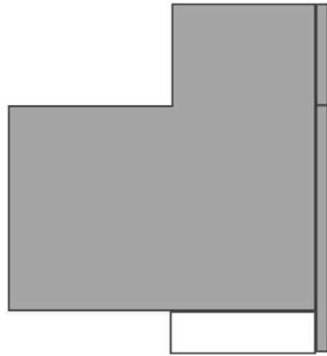




**FORM CWM-8: DEMOLITION WASTE REDUCTION PROGRESS REPORT**

MATERIAL CATEGORY	GENERATION POINT	TOTAL QUANTITY OF WASTE TONS (TONNES) (A)	QUANTITY OF WASTE SALVAGED		QUANTITY OF WASTE RECYCLED		TOTAL QUANTITY OF WASTE RECOVERED TONS (TONNES) (D = B + C)	TOTAL QUANTITY OF WASTE RECOVERED % (D / A x 100)
			ESTIMATED TONS (TONNES)	ACTUAL TONS (TONNES) (B)	ESTIMATED TONS (TONNES)	ACTUAL TONS (TONNES) (C)		
Asphaltic Concrete Paving								
Concrete								
Brick								
CMU								
Lumber								
Plywood and OSB								
Wood Paneling								
Wood Trim								
Miscellaneous Metals								
Structural Steel								
Rough Hardware								
Insulation								
Roofing								
Doors and Frames								
Door Hardware								
Windows								
Glazing								
Acoustical Tile								
Carpet								
Carpet Pad								
Demountable Partitions								
Equipment								
Cabinets								
Plumbing Fixtures								
Piping								
Supports and Hangers								
Valves								
Sprinklers								
Mechanical Equipment								
Electrical Conduit								
Copper Wiring								
Light Fixtures								
Lamps								
Lighting Ballasts								
Electrical Devices								
Switchgear and Panelboards								
Transformers								
Other:								

\*\*\*\*\*



In this 3D model, facets appear as semi-transparent to reveal overhangs.

Building: 1

## PREPARED FOR

Contact:	Christopher Williams
Company:	Christopher Williams Architects, LLC
Address:	85 Willow Street New Haven, CT 06511
Phone:	203-776-0184

## TABLE OF CONTENTS

Images .....	1
Length Diagram .....	4
Pitch Diagram .....	5
Area Diagram .....	6
Notes Diagram .....	7
Penetrations Diagram .....	8
Report Summary .....	9

## MEASUREMENTS

Total Roof Area = 83,940 sq ft  
 Total Roof Facets = 4  
 Predominant Pitch = 0/12  
 Number of Stories > 1  
 Total Ridges/Hips = 0 ft  
 Total Valleys = 0 ft  
 Total Rakes = 41 ft  
 Total Eaves = 494 ft  
 Total Penetrations = 87  
 Total Penetrations Perimeter = 868 ft  
 Total Penetrations Area = 889 sq ft

Measurements provided by [www.eagleview.com](http://www.eagleview.com)



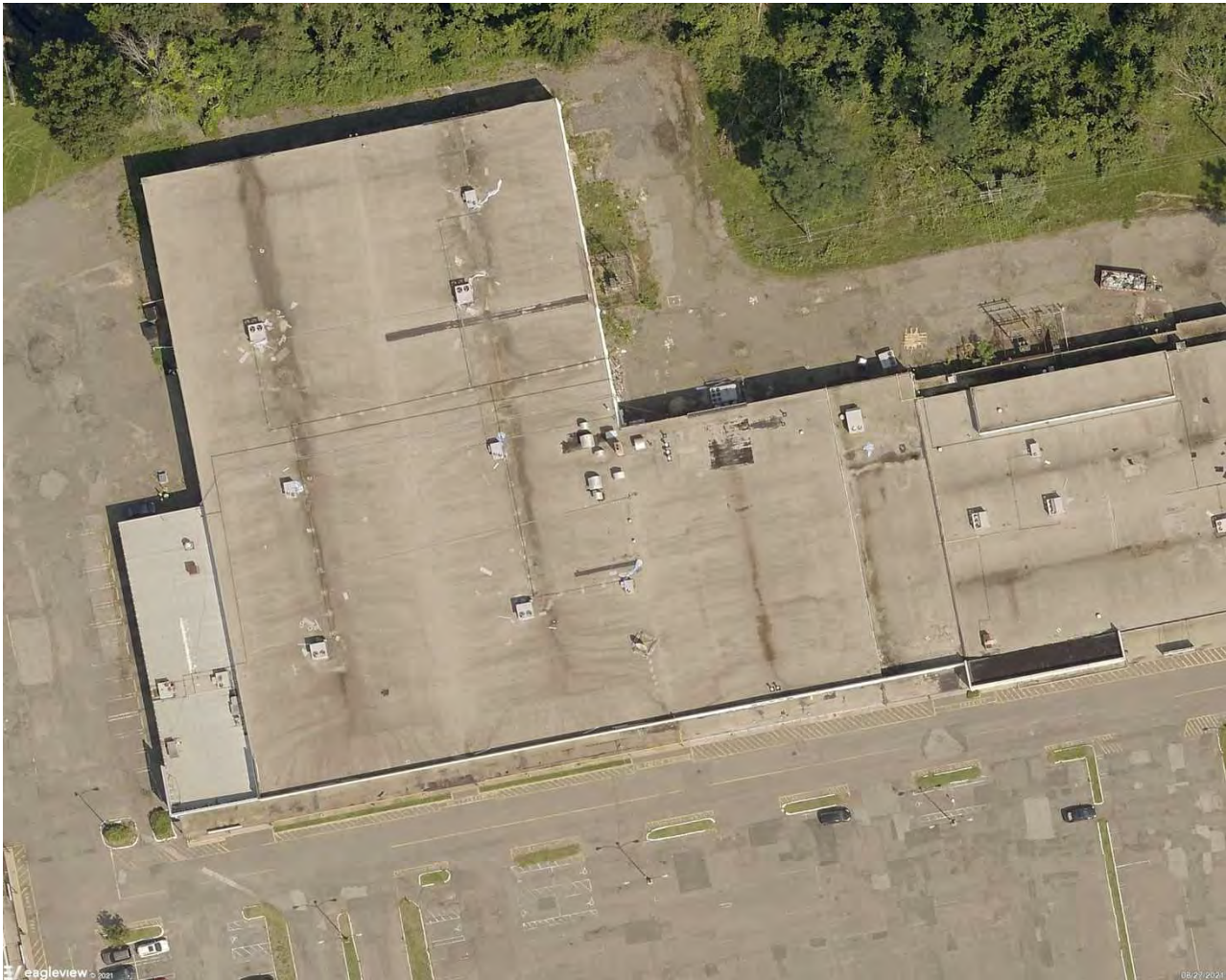
**Certified Accurate**

[www.eagleview.com/Guarantee.aspx](http://www.eagleview.com/Guarantee.aspx)

## IMAGES

The following aerial images show different angles of this structure for your reference.

Top View



# IMAGES

North Side



South Side



# IMAGES

East Side



West Side

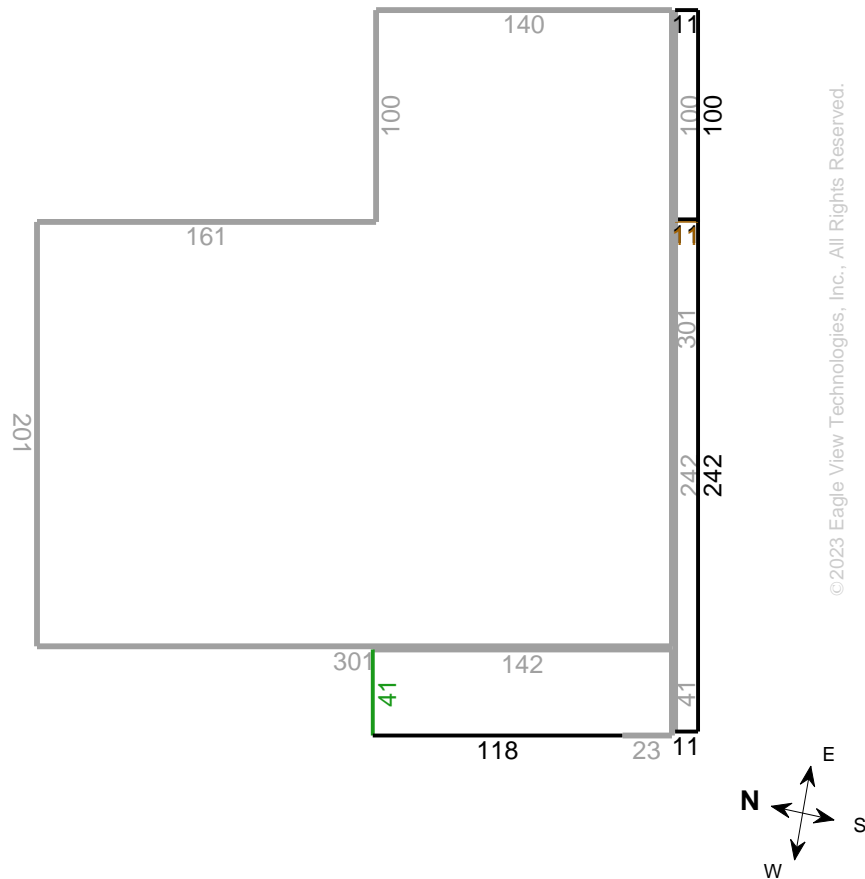


# LENGTH DIAGRAM

Total Line Lengths:

 Ridges = 0 ft  
 Hips = 0 ft

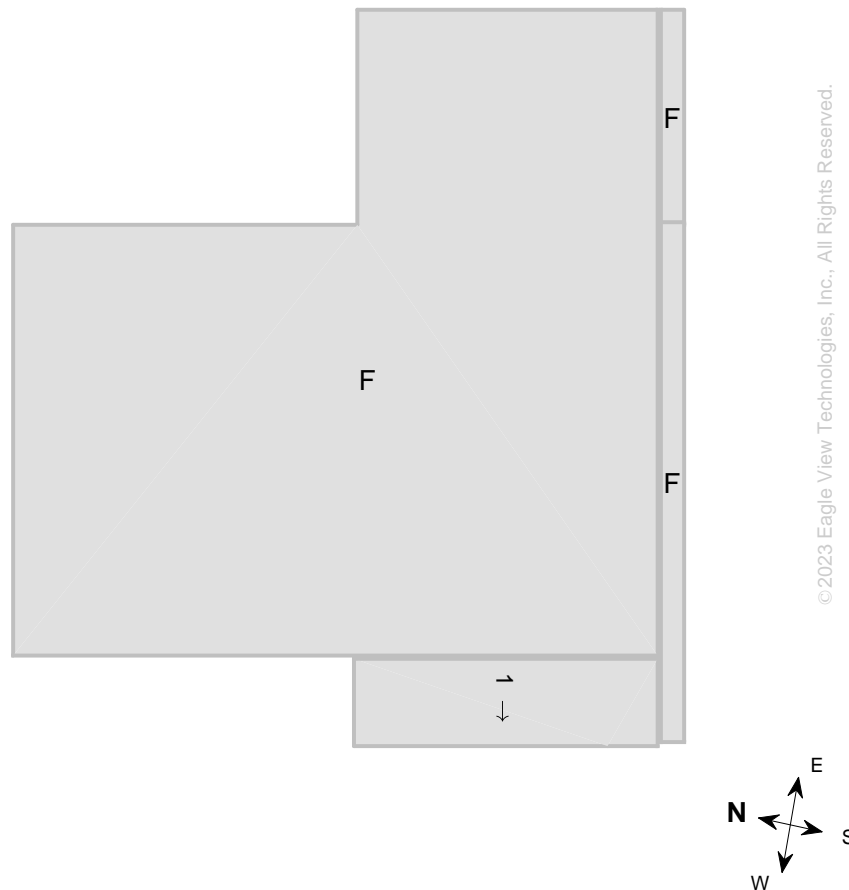
 Valleys = 0 ft  
 Rakes = 41 ft  
 Eaves = 494 ft

 Flashing = 11 ft  
 Step flashing = 0 ft  
 Parapets = 1,753 ft


Note: This diagram contains segment lengths (rounded to the nearest whole number) over 5.0 Feet. In some cases, segment labels have been removed for readability. Plus signs preface some numbers to avoid confusion when rotated (e.g. +6 and +9).

## PITCH DIAGRAM

Pitch values are shown in inches per foot, and arrows indicate slope direction. The predominant pitch on this roof is 0/12

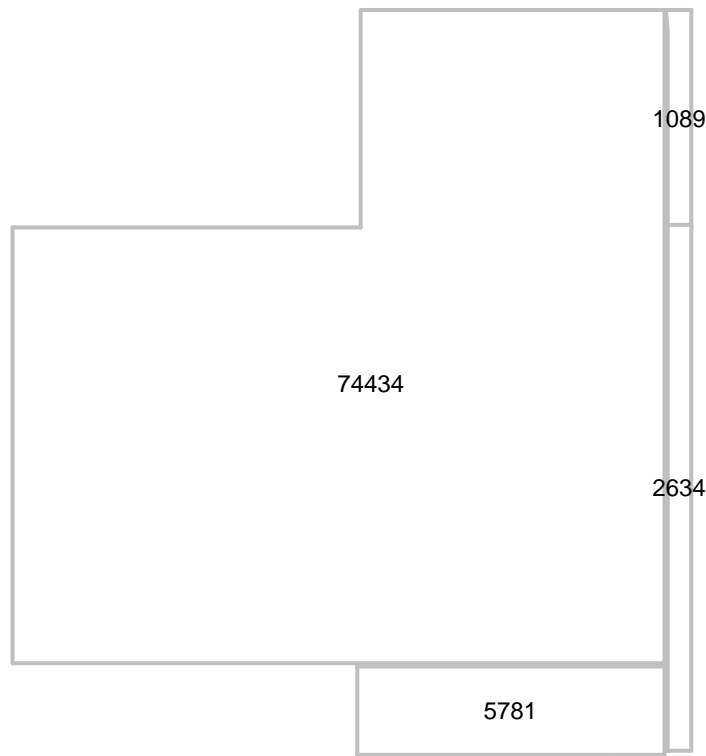


Note: This diagram contains labeled pitches for facet areas larger than 20.0 square feet. In some cases, pitch labels have been removed for readability. Gray shading indicates flat, 1/12 or 2/12 pitches. If present, a value of "F" indicates a flat facet (no pitch).

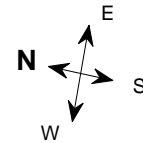


# AREA DIAGRAM

Total Area = 83,940 sq ft, with 4 facets.



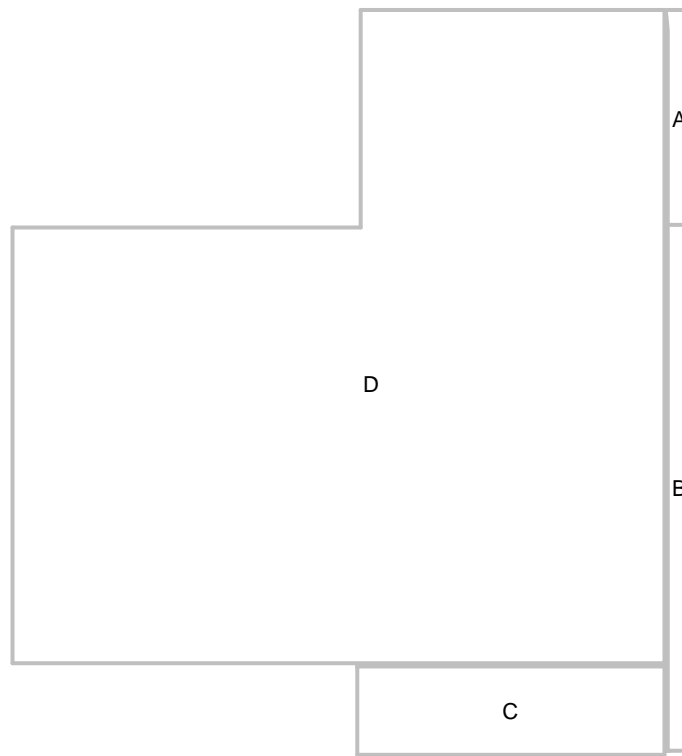
©2023 Eagle View Technologies, Inc., All Rights Reserved.



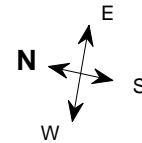
Note: This diagram shows the square feet of each roof facet (rounded to the nearest Foot). The total area in square feet, at the top of this page, is based on the non-rounded values of each roof facet (rounded to the nearest square foot after being totaled).

## NOTES DIAGRAM

Roof facets are labeled from smallest to largest (A to Z) for easy reference.



©2023 Eagle View Technologies, Inc., All Rights Reserved.



# PENETRATIONS NOTES DIAGRAM

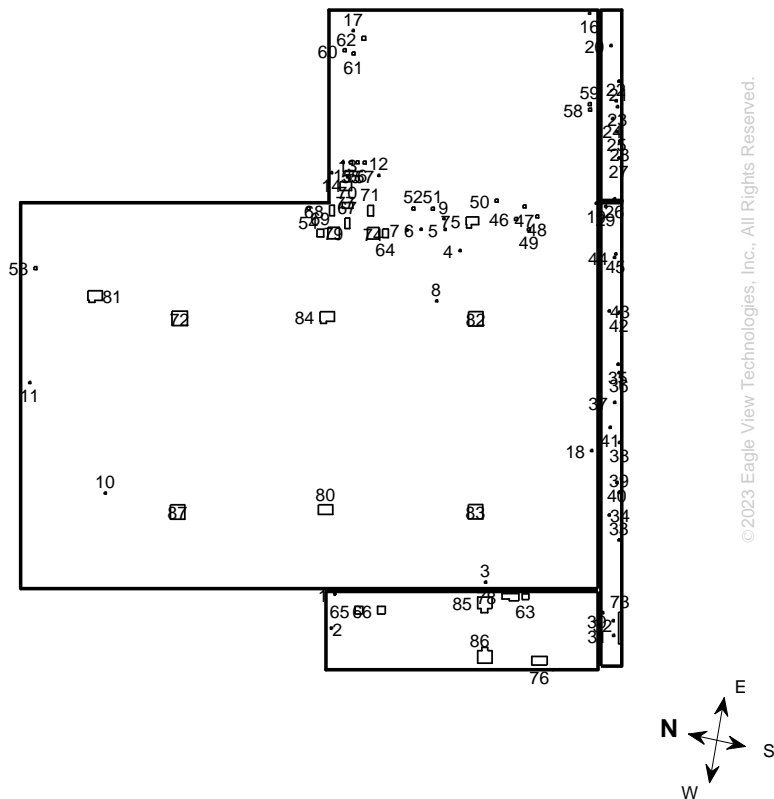
Penetrations are labeled from smallest to largest for easy reference.

Total Penetrations = 87

Total Penetrations Area = 889 sq ft

Total Penetrations Perimeter = 868 ft

Total Roof Area Less Penetrations = 83,051 sq ft



## REPORT SUMMARY

### All Structures

#### Areas per Pitch

Roof Pitches	0/12	1/12
Area (sq ft)	78157.7	5781.4
% of Roof	93.1%	6.9%

The table above lists each pitch on this roof and the total area and percent (both rounded) of the roof with that pitch.

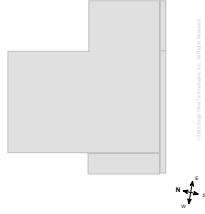
#### Waste Calculation Table

Waste %	0%	10%	12%	15%	17%	20%	22%
Area (sq ft)	83,940	92,334	94012.8	96,531	98209.8	100,728	102406.8
Squares	839.4	923.3	940.1	965.3	982.1	1007.3	1024.1

This table shows the total roof area and squares (rounded up to the nearest decimal) based upon different waste percentages. The waste factor is subject to the complexity of the roof, individual roofing techniques and your experience. Please consider this when calculating appropriate waste percentages. Note that only roof area is included in these waste calculations. Additional materials needed for ridge, hip, valley, and starter lengths are not included.

Penetrations	1	2-45	46-61	62	63	64	65	66-67	68-69	70
Area (sq ft)	0.8	1	2.2	4	10.5	13.5	14	13.7	16	16.5
Perimeter (ft)	3.6	4	6	8	13	15	15	16	16	17
	71	72	73-74	75	76	77	78	79	80	81
Area (sq ft)	16.5	27	36	30.4	36	37.5	29.6	40.5	40.7	56.3
Perimeter (ft)	17	21	24	24.6	25	25	25.1	27	27.2	30
	82-83	84	85	86	87					
Area (sq ft)	56.3	60.2	52.3	54	24.7					
Perimeter (ft)	30	31	31.2	31.5	36					

Any measured penetration smaller than 3.0x3.0 Feet may need field verification. Accuracy is not guaranteed. The total penetration area is not subtracted from the total roof area.

**All Structures Totals**

 Total Roof Facets = 4  
 Total Penetrations = 87

**Lengths, Areas and Pitches**

 Ridges = 0 ft (0 Ridges)  
 Hips = 0 ft (0 Hips)  
 Valleys = 0 ft (0 Valleys)  
 Rakes† = 41 ft (1 Rakes)  
 Eaves/Starter‡ = 494 ft (6 Eaves)  
 Drip Edge (Eaves + Rakes) = 535 ft (7 Lengths)  
 Parapet Walls = 1,753 (11 Lengths)  
 Flashing = 11 ft (1 Lengths)  
 Step flashing = 0 ft (0 Lengths)  
 Total Penetrations Area = 889 sq ft  
 Total Roof Area Less Penetrations = 83,051 sq ft  
 Total Penetrations Perimeter = 868 ft  
 Predominant Pitch = 0/12  
 Total Area (All Pitches) = 83,940 sq ft

**Property Location**

 Longitude = -72.6081083  
 Latitude = 41.7660507

**Notes**

This was ordered as a commercial property. There were no changes to the structure in the past four years.

**Parapet Wall Area Table**

Wall Height (ft)	1	2	3	4	5	6	7
Vertical Wall Area	1753	3506	5259	7012	8765	10518	12271

This table provides common parapet wall heights to aid you in calculating the total vertical area of these walls. Note that these values assume a 90 degree angle at the base of the wall. Allow for extra materials to cover cant strips and tapered edges.

**Online Maps**

Online map of property

[http://maps.google.com/maps?f=q&source=s\\_q&hl=en&geocode=&q=818+Silver+Ln,East+Hartford,CT,06118](http://maps.google.com/maps?f=q&source=s_q&hl=en&geocode=&q=818+Silver+Ln,East+Hartford,CT,06118)

Directions from Christopher Williams Architects, LLC to this property

[http://maps.google.com/maps?f=d&source=s\\_d&saddr=85+Willow+Street,New+Haven,CT,06511&daddr=818+Silver+Ln,East+Hartford,CT,06118](http://maps.google.com/maps?f=d&source=s_d&saddr=85+Willow+Street,New+Haven,CT,06511&daddr=818+Silver+Ln,East+Hartford,CT,06118)

† Rakes are defined as roof edges that are sloped (not level).

‡ Eaves are defined as roof edges that are not sloped and level.

818 Silver Ln, East Hartford, CT 06118

Report: 55541935

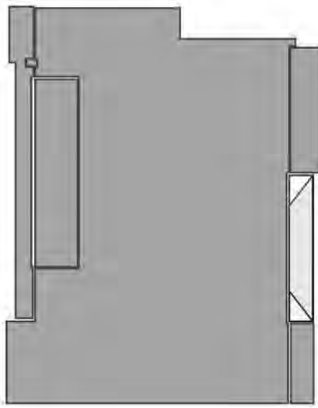
## IMPORTANT LEGAL NOTICE AND DISCLAIMER

### Notice and Disclaimer

No Warranty: The Copyrighted Materials are provided to you "as is," and you agree to use it at your own risk.

EagleView Technologies makes no guarantees, representations or warranties of any kind, express or implied, arising by law or otherwise, including but not limited to, content, quality, accuracy, completeness, effectiveness, reliability, fitness for a particular purpose, usefulness, use or results to be obtained from the Copyrighted Materials.

Contractors agree to always conduct a preliminary site survey to verify Roof Report ordered. In the event of an error in a Report, your sole remedy will be a refund of the fees paid by you to obtain this Report.



In this 3D model, facets appear as semi-transparent to reveal overhangs.

Building: 2

## PREPARED FOR

Contact:	Christopher Williams
Company:	Christopher Williams Architects, LLC
Address:	85 Willow Street New Haven, CT 06511
Phone:	203-776-0184

## TABLE OF CONTENTS

Images .....	1
Length Diagram .....	4
Pitch Diagram .....	5
Area Diagram .....	6
Notes Diagram .....	7
Penetrations Diagram .....	8
Report Summary .....	9

## MEASUREMENTS

Total Roof Area = 28,475 sq ft  
 Total Roof Facets = 9  
 Predominant Pitch = 0/12  
 Number of Stories <= 1  
 Total Ridges/Hips = 0 ft  
 Total Valleys = 40 ft  
 Total Rakes = 0 ft  
 Total Eaves = 0 ft  
 Total Penetrations = 50  
 Total Penetrations Perimeter = 358 ft  
 Total Penetrations Area = 410 sq ft

Measurements provided by [www.eagleview.com](http://www.eagleview.com)



**Certified Accurate**

[www.eagleview.com/Guarantee.aspx](http://www.eagleview.com/Guarantee.aspx)

## IMAGES

The following aerial images show different angles of this structure for your reference.

Top View





# IMAGES

North Side



South Side

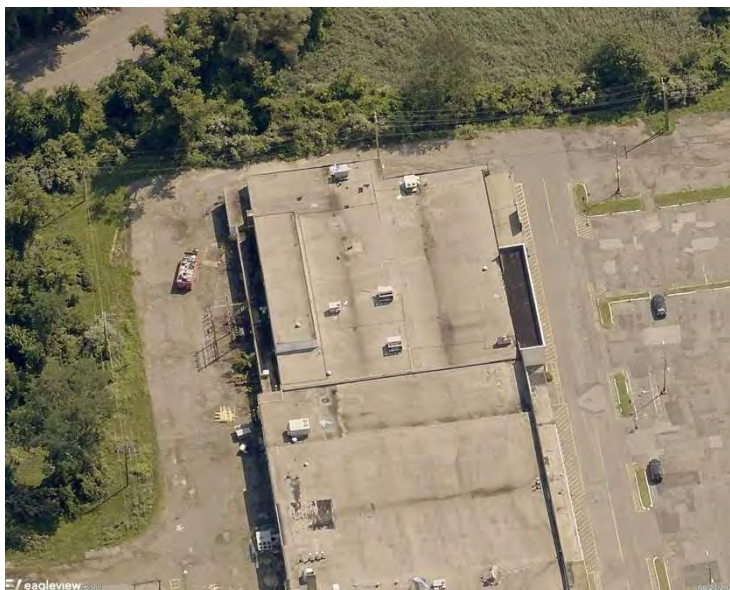


# IMAGES

East Side



West Side

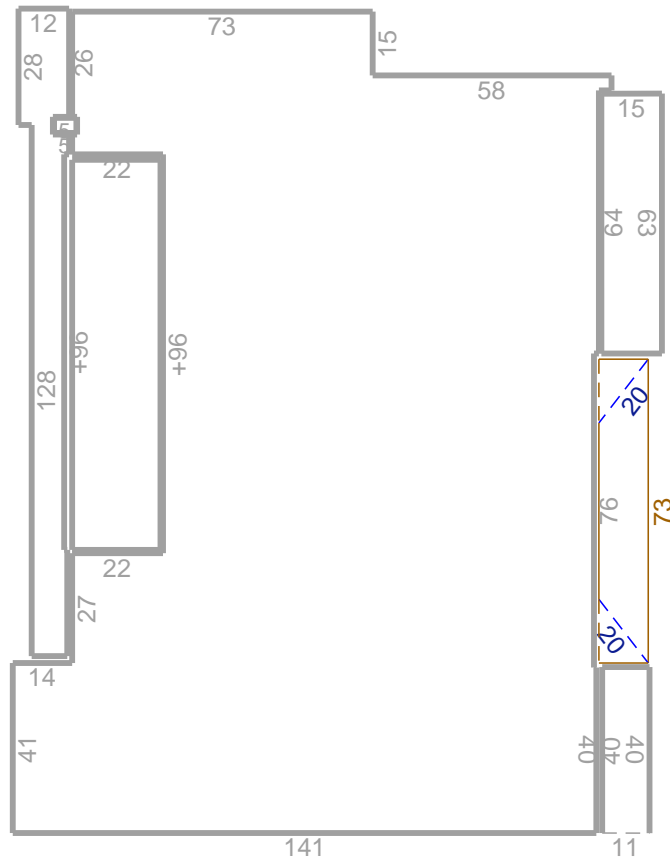


# LENGTH DIAGRAM

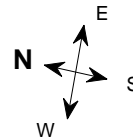
Total Line Lengths:

 Ridges = 0 ft  
 Hips = 0 ft

 Valleys = 40 ft  
 Rakes = 0 ft  
 Eaves = 0 ft

 Flashing = 140 ft  
 Step flashing = 32 ft  
 Parapets = 1,576 ft


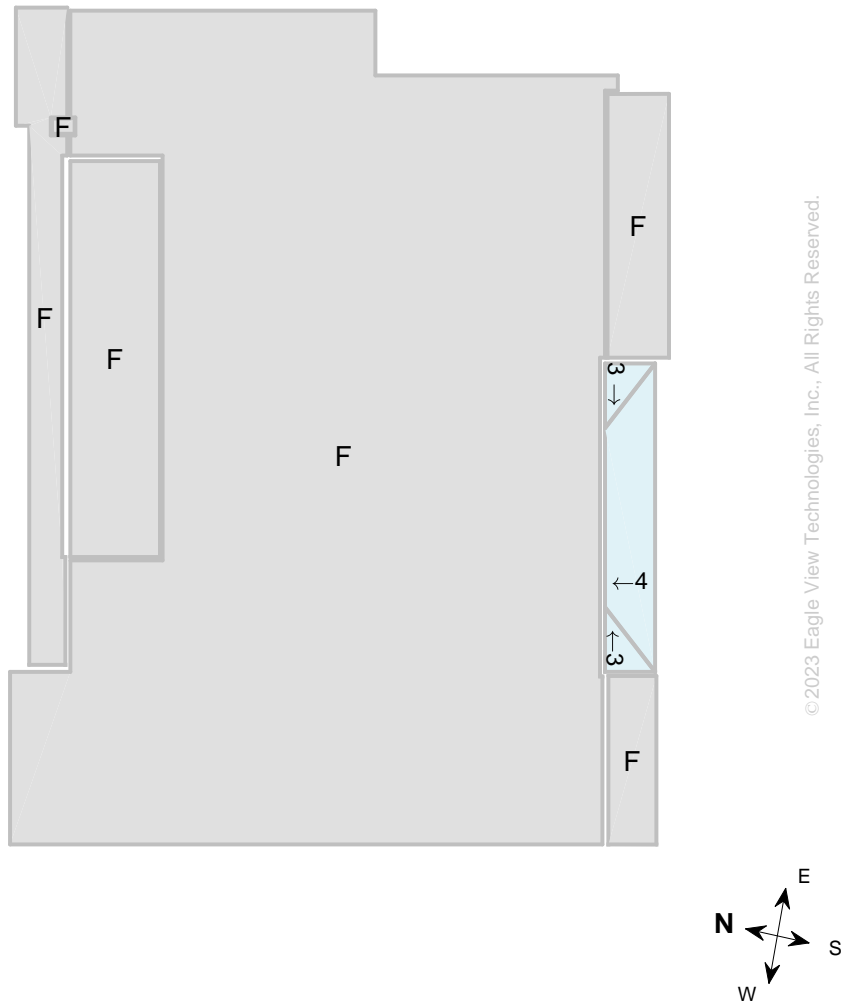
©2023 Eagle View Technologies, Inc., All Rights Reserved.



Note: This diagram contains segment lengths (rounded to the nearest whole number) over 5.0 Feet. In some cases, segment labels have been removed for readability. Plus signs preface some numbers to avoid confusion when rotated (e.g. +6 and +9).

# PITCH DIAGRAM

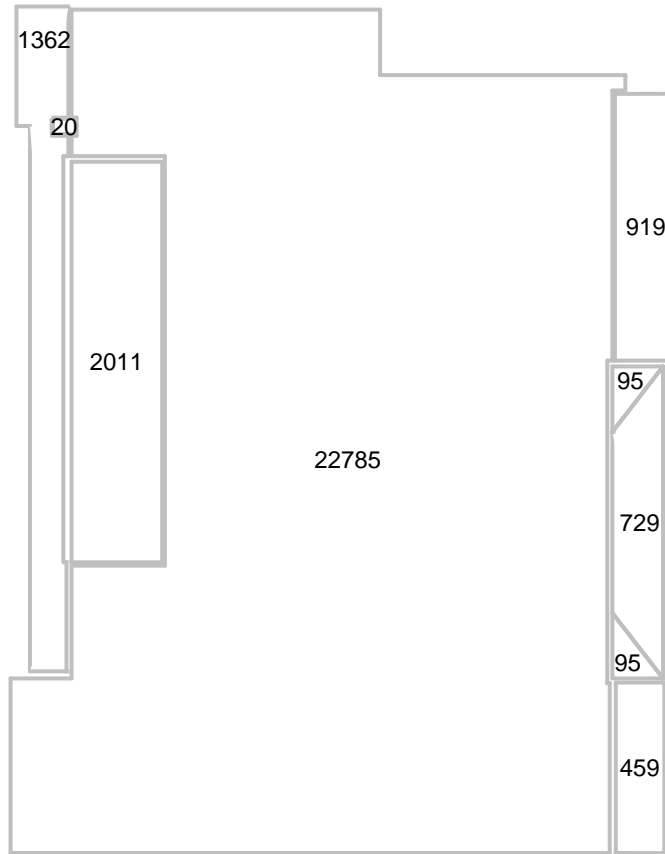
Pitch values are shown in inches per foot, and arrows indicate slope direction. The predominant pitch on this roof is 0/12



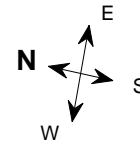
Note: This diagram contains labeled pitches for facet areas larger than 20.0 square feet. In some cases, pitch labels have been removed for readability. Blue shading indicates a pitch of 3/12 and greater. Gray shading indicates flat, 1/12 or 2/12 pitches. If present, a value of "F" indicates a flat facet (no pitch).

# AREA DIAGRAM

Total Area = 28,475 sq ft, with 9 facets.



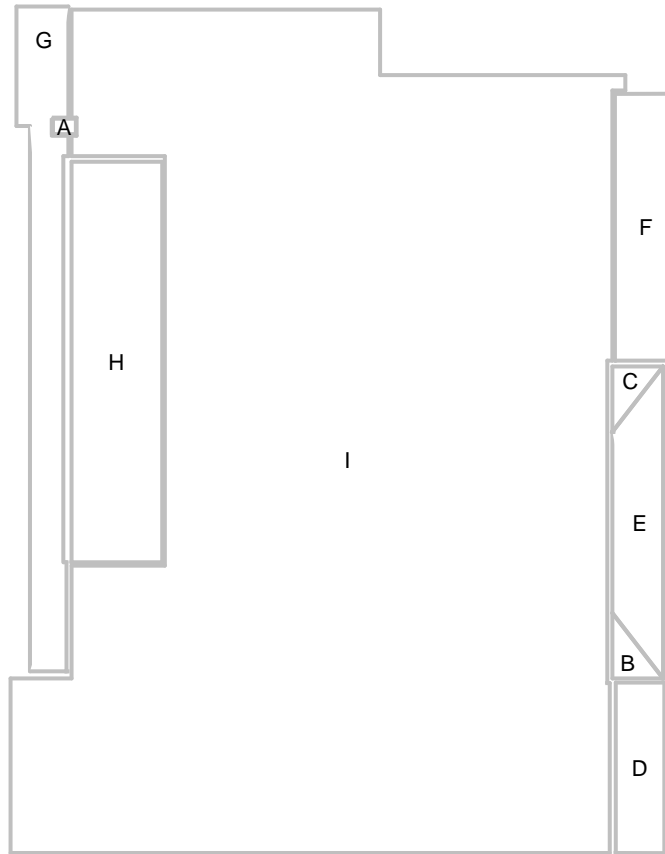
©2023 Eagle View Technologies, Inc., All Rights Reserved.



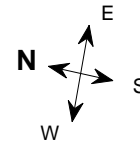
Note: This diagram shows the square feet of each roof facet (rounded to the nearest Foot). The total area in square feet, at the top of this page, is based on the non-rounded values of each roof facet (rounded to the nearest square foot after being totaled).

## NOTES DIAGRAM

Roof facets are labeled from smallest to largest (A to Z) for easy reference.



©2023 Eagle View Technologies, Inc., All Rights Reserved.



# PENETRATIONS NOTES DIAGRAM

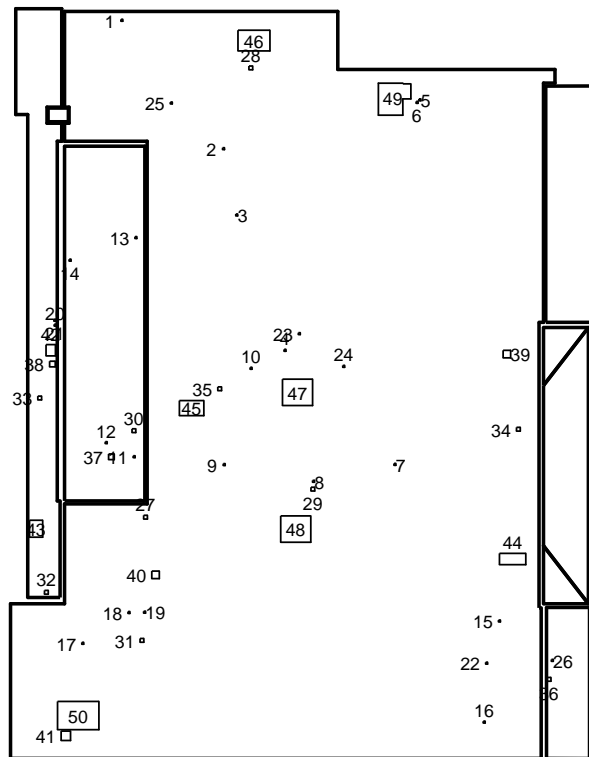
Penetrations are labeled from smallest to largest for easy reference.

Total Penetrations = 50

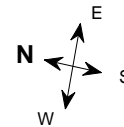
Total Penetrations Area = 410 sq ft

Total Penetrations Perimeter = 358 ft

Total Roof Area Less Penetrations = 28,065 sq ft



©2023 Eagle View Technologies, Inc., All Rights Reserved.



## REPORT SUMMARY

### All Structures

#### Areas per Pitch

Roof Pitches	0/12	3/12	4/12
Area (sq ft)	27555.8	189.6	729.3
% of Roof	96.8%	0.7%	2.6%

The table above lists each pitch on this roof and the total area and percent (both rounded) of the roof with that pitch.

#### Waste Calculation Table

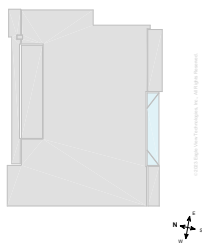
Waste %	0%	10%	12%	15%	17%	20%	22%
Area (sq ft)	28,475	31322.5	31,892	32746.3	33315.8	34,170	34739.5
Squares	284.7	313.2	318.9	327.5	333.2	341.7	347.4

This table shows the total roof area and squares (rounded up to the nearest decimal) based upon different waste percentages. The waste factor is subject to the complexity of the roof, individual roofing techniques and your experience. Please consider this when calculating appropriate waste percentages. Note that only roof area is included in these waste calculations. Additional materials needed for ridge, hip, valley, and starter lengths are not included.

Penetrations	1-26	27-36	37-38	39-40	41	42	43	44	45	46
Area (sq ft)	0.2	1	2.2	4	6.3	7.5	15.8	21	26	46.7
Perimeter (ft)	2	4	6	8	10	11	16	20	21	28
	47-48	49	50							
Area (sq ft)	56	63.8	82.5							
Perimeter (ft)	30	34.2	37							

Any measured penetration smaller than 3.0x3.0 Feet may need field verification. Accuracy is not guaranteed. The total penetration area is not subtracted from the total roof area.

### All Structures Totals



Total Roof Facets = 9  
Total Penetrations = 50

#### Lengths, Areas and Pitches

Ridges = 0 ft (0 Ridges)  
Hips = 0 ft (0 Hips)  
Valleys = 40 ft (2 Valleys)  
Rakes<sup>†</sup> = 0 ft (0 Rakes)  
Eaves/Starter<sup>‡</sup> = 0 ft (0 Eaves)  
Drip Edge (Eaves + Rakes) = 0 ft (0 Lengths)  
Parapet Walls = 1,576 (51 Lengths)  
Flashing = 140 ft (4 Lengths)  
Step flashing = 32 ft (2 Lengths)  
Total Penetrations Area = 410 sq ft  
Total Roof Area Less Penetrations = 28,065 sq ft  
Total Penetrations Perimeter = 358 ft  
Predominant Pitch = 0/12  
Total Area (All Pitches) = 28,475 sq ft

#### Property Location

Longitude = -72.6071814  
Latitude = 41.7661986

#### Notes

This was ordered as a commercial property. There were no changes to the structure in the past four years.

<sup>†</sup> Rakes are defined as roof edges that are sloped (not level).

<sup>‡</sup> Eaves are defined as roof edges that are not sloped and level.



Parapet Wall Area Table

Wall Height (ft)	1	2	3	4	5	6	7
Vertical Wall Area	1576	3152	4728	6304	7880	9456	11032

This table provides common parapet wall heights to aid you in calculating the total vertical area of these walls. Note that these values assume a 90 degree angle at the base of the wall. Allow for extra materials to cover cant strips and tapered edges.

### Online Maps

Online map of property

[http://maps.google.com/maps?f=g&source=s\\_q&hl=en&geocode=&q=818+Silver+Ln,East+Hartford,CT,06118](http://maps.google.com/maps?f=g&source=s_q&hl=en&geocode=&q=818+Silver+Ln,East+Hartford,CT,06118)

Directions from Christopher Williams Architects, LLC to this property

[http://maps.google.com/maps?f=d&source=s\\_d&saddr=85+Willow+Street,New+Haven,CT,06511&daddr=818+Silver+Ln,East+Hartford,CT,06118](http://maps.google.com/maps?f=d&source=s_d&saddr=85+Willow+Street,New+Haven,CT,06511&daddr=818+Silver+Ln,East+Hartford,CT,06118)

818 Silver Ln, East Hartford, CT 06118

Report: 55565775

## IMPORTANT LEGAL NOTICE AND DISCLAIMER

### Notice and Disclaimer

No Warranty: The Copyrighted Materials are provided to you "as is," and you agree to use it at your own risk.

EagleView Technologies makes no guarantees, representations or warranties of any kind, express or implied, arising by law or otherwise, including but not limited to, content, quality, accuracy, completeness, effectiveness, reliability, fitness for a particular purpose, usefulness, use or results to be obtained from the Copyrighted Materials.

Contractors agree to always conduct a preliminary site survey to verify Roof Report ordered. In the event of an error in a Report, your sole remedy will be a refund of the fees paid by you to obtain this Report.

## PURCHASE ORDER PAYMENT REQUEST

Department Name: FINANCE P.O. Number: 2024-0818  
 Payment is:  
 Partial  **X** Final   
 Vendor: CNG Vendor Number: 108973 R5  
 Budget Account Number: S4427-65251 Payment Amount: \$2,471.26

List Here the Invoice Number(s) for this payment:

Account Number	Invoice Date	Amount of Invoice	Service Location	Meter Number
040-0011139-5436	8/9/2023	\$54.32	794 Silver Lane	492121
040-0011139-8182	8/14/2023	\$781.35	798 Silver Lane	527269
040-0011139-4611	8/9/2023	\$367.45	800 Silver Lane	557292 <del>4</del>
040-0011139-5477	8/9/2023	\$86.61	804 Silver Lane	571095 <del>7</del>
040-0011139-7473	8/9/2023	\$52.15	806 Silver Lane	459968
040-0011139-4595	8/9/2023	\$679.59	820 Silver Lane	550123
040-0011139-4603	8/9/2023	\$190.43	824 Silver Lane	580836
040-0011139-4629	8/9/2023	\$129.68	830 Silver Lane	551286 <del>4</del>
040-0011139-6202	8/9/2023	\$129.68	830 Silver Lane #B	569221

If this payment is final and will exceed the balance on the purchase order, please provide an explanation below.

\* Taxes Removed - CNG to update comm via email.

8/28/2023

Date

C O'Reilly

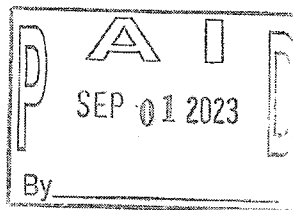
Approved By (Authorized Signature)

Added to worksheet

10



Inv# 8-09-2023 & LIST **\$2471.26**  
 CNG  
 09/09/2023 # Pages 10 FP10 DOC41S38  
 PO# 20240818



ST



040001113954360000054320000000000000054320

Account Number	Payment Due Date	Amount Now Due
040-0011139-5436	9/06/23	\$54.32

Please make your check payable to:  
**CNG**

Please Indicate Amount Paid	54.32
-----------------------------	-------

Please mail payment to:

CONNECTICUT NATURAL GAS CORPORATION  
PO BOX 847820  
BOSTON MA 02284-7820

000437 000006641

TOWN OF EAST HARTFORD  
740 MAIN ST  
EAST HARTFORD CT 06108-3140



234

Please consider adding \$1 for Operation Fuel to your payment this month or call 860-524-8361 to donate more than \$1.

CT LIC. S1-0303125, MECH 1109

Your Account Information

Customer Name Key: **TOWN**  
TOWN OF EAST HARTFORD  
794 SILVER LN  
EAST HARTFORD, CT 06118

Account Number: 040-0011139-5436  
Meter Number: 492121  
Rate: CNG Non Res Small General Service  
Billing Period: 7/11/23 - 8/07/23  
Statement Date: 8/09/23  
Next Meter Reading (on or about): 9/08/23

For emergency services or billing inquiries. Please call:  
Hartford, New Britain 860-524-8361  
Mansfield 860-456-8745  
Greenwich 203-869-6900  
For All Towns To Report Gas Odor Only:  
Toll Free 1-866-924-5325

**MESSAGES**

Your gas supplier is:  
Connecticut Natural Gas Corporation  
PO BOX 1500  
HARTFORD, CT 06144-1500  
1-860-524-8361  
www.cngcorp.com

If you're facing financial hardships and having trouble managing your energy bill, we have several programs and services to help. Please call us at 860.524.8361 (Hartford area) or 203.869.6900 (Greenwich) or visit [cngcorp.com/HelpWithBill](http://cngcorp.com/HelpWithBill).

Have a question for CNG?  
Click on Contact Us on  
CNG's website at [www.cngcorp.com](http://www.cngcorp.com).

Previous Charges & Credits

Amount of Previous Bill	7/12/23	\$	51.47
Payment Received, Thanks!	8/08/23	\$	51.47 cr
<b>Balance Forward</b>		\$	<b>0.00</b>

New Charges & Credits

POD 4000000271363 (CNG - Cycle 05)

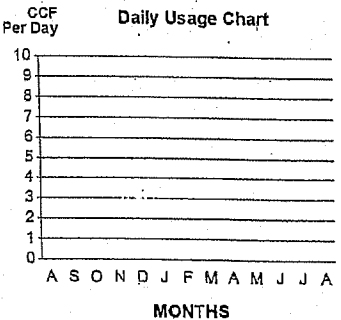
Current Supplier: Connecticut Natural Gas Corporation			
Customer Charge		\$	50.00
Demand Charge	2.000 CCF @ \$.964500	\$	1.93
Distribution Integrity Management Program	2.000 CCF @ \$.158400	\$	0.32
Sales Service Charge	2.000 CCF @ \$.728000	\$	1.46
System Expansion Adjustment	2.000 CCF @ \$.302500	\$	0.61
<b>Total Gas Charges</b>		\$	<b>54.32</b>

**Total New Charges** \$ **54.32**

**Amount Now Due: \$ 54.32**

All charges are due as of your Statement Date. For non-residential and residential non-hardship customers, any unpaid charges may be subject to a late payment charge as of your Statement Date, at the rate of 1.25% per month, if not paid on or before 09/06/2023. If you make your payment on the Due Date at an authorized payment agent, your payment may not post until the following business day. If you have questions, please contact us.

Gas Usage Meter	Service Period	Meter Reading		Correction Factor	Total CCF
		Current	Last		
492121	28 days POD ID: 400-0000027-1363	04140	04140	1	0



Energy Usage Comparison:

	CCF used	Days	Average Temp (F)
This Month	0	28	75
Last Year	0	0	0



04000111398182000078135000000000000000781352

Account Number	Payment Due Date	Amount Now Due
040-0011139-8182	9/11/23	\$781.35

Please make your check payable to:  
**CNG**

Please Indicate Amount Paid	781.35
-----------------------------	--------

003570 000002182

TOWN OF EAST HARTFORD  
740 MAIN ST  
EAST HARTFORD CT 06108-3140



Please mail payment to:

CONNECTICUT NATURAL GAS CORPORATION  
PO BOX 847820  
BOSTON MA 02284-7820

234

Please consider adding \$1 for Operation Fuel to your payment this month or call 860-524-8361 to donate more than \$1.

CT L.I.C. S1-0303125, MECH 1109

Your Account Information

Customer Name Key: **TOWN**  
TOWN OF EAST HARTFORD  
798 SILVER LN  
EAST HARTFORD, CT 06118

Account Number: 040-0011139-8182  
Meter Number: 527269  
Rate: CNG Non Res Medium General Service  
Billing Period: 7/11/23 - 8/07/23  
Statement Date: 8/14/23  
Next Meter Reading (on or about): 9/08/23

For emergency services or billing inquiries.  
Please call:  
Hartford, New Britain 860-524-8361  
Mansfield 860-456-8745  
Greenwich 203-869-6900  
For All Towns To Report Gas Odor Only:  
Toll Free 1-866-924-5325

**MESSAGES**

Your gas supplier is:  
Connecticut Natural Gas Corporation  
PO BOX 1500  
HARTFORD, CT 06144-1500  
1-860-524-8361  
www.engcorp.com

Your current bill is based on an estimated reading.

If you're facing financial hardships and having trouble managing your energy bill, we have several programs and services to help. Please call us at 860.524.8361 (Hartford area) or 203.869.6900 (Greenwich) or visit [engcorp.com/HelpWithBill](http://engcorp.com/HelpWithBill).

Have a question for CNG?  
Click on Contact Us on  
CNG's website at [www.engcorp.com](http://www.engcorp.com).

Previous Charges & Credits

Amount of Previous Bill	7/18/23	\$	826.16
Payment Received, Thanks!	8/08/23	\$	826.16
<b>Balance Forward</b>		\$	<b>0.00</b>

New Charges & Credits

POD 4000000271365 (CNG - Cycle 05)

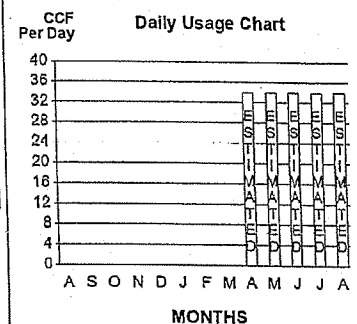
Current Supplier: Connecticut Natural Gas Corporation			
Customer Charge		\$	165.00
Delivery Charge	300.000 CCF @ \$.121000	\$	36.30
Delivery Charge	557.000 CCF @ \$.069000	\$	38.43
Demand Charge	43.000 CCF @ \$1.043100	\$	44.85
Distribution Integrity Management Program	43.000 CCF @ \$.074800	\$	3.22
Sales Service Charge	43.000 CCF @ \$.596300	\$	25.64
Purchased Gas Adjustment	857.000 CCF @ \$.455500	\$	390.36
Conservation Adjustment Mechanism	857.000 CCF @ \$.046000	\$	39.42
Decoupling Adjustment	857.000 CCF @ \$.037087	\$	31.78
System Expansion Adjustment	43.000 CCF @ \$.147700	\$	6.35
<b>Total Gas Charges</b>		\$	<b>781.35</b>

**Total New Charges** \$ **781.35**

**Amount Now Due: \$ 781.35**

All charges are due as of your Statement Date. For non-residential and residential non-hardship customers, any unpaid charges may be subject to a late payment charge as of your Statement Date, at the rate of 1.25% per month, if not paid on or before 09/11/2023. If you make your payment on the Due Date at an authorized payment agent, your payment may not post until the following business day. If you have questions, please contact us.

Gas Usage Meter	Service Period	Meter Reading Current Last	Correction Factor	Total CCF
527269	28 days	210844 - 209987	1	857
POD ID: 400-0000027-1365				



Energy Usage Comparison:

	CCF used	Days	Average Temp (F)
This Month	857	28	75
Last Year	0	0	0



0400011139461100003907800000000000000390782

Account Number	Payment Due Date	Amount Now Due
040-0011139-4611	9/06/23	\$390.78

Please make your check payable to:  
**CNG**

Please Indicate Amount Paid **367.45**

Please mail payment to:

CONNECTICUT NATURAL GAS CORPORATION  
PO BOX 847820  
BOSTON MA 02284-7820

000439 000006639

TOWN OF EAST HARTFORD  
740 MAIN ST  
EAST HARTFORD CT 06108-3140



234

Please consider adding \$1 for Operation Fuel to your payment this month or call 860-524-8361 to donate more than \$1.

CT LIC. S1-0303125, MECH 1109

Your Account Information

Customer Name Key: **TOWN**  
TOWN OF EAST HARTFORD  
800 SILVER LN  
EAST HARTFORD, CT

Account Number: 040-0011139-4611  
Meter Number: 557292  
Rate: CNG Non Res Medjum General Service  
Billing Period: 7/11/23 - 8/07/23  
Statement Date: 8/09/23  
Next Meter Reading (on or about): 9/08/23

For emergency services or billing inquiries. Please call:  
Hartford, New Britain 860-524-8361  
Mansfield 860-456-8745  
Greenwich 203-869-6900  
For All Towns To Report Gas Odor Only:  
Toll Free 1-866-924-5325

**MESSAGES**

Your gas supplier is:  
Connecticut Natural Gas Corporation  
PO BOX 1500  
HARTFORD, CT 06144-1500  
1-860-524-8361  
www.cngcorp.com

If you're facing financial hardships and having trouble managing your energy bill, we have several programs and services to help. Please call us at 860.524.8361 (Hartford area) or 203.869.6900 (Greenwich) or visit cngcorp.com/HelpWithBill.

Have a question for CNG?  
Click on Contact Us on  
CNG's website at www.cngcorp.com.

Previous Charges & Credits

Amount of Previous Bill	7/12/23	\$	462.20
Payment Received, Thanks!	8/08/23	\$	462.20
<b>Balance Forward</b>		\$	<b>0.00</b>

New Charges & Credits

POD 4000000019347 (CNG - Cycle 05)

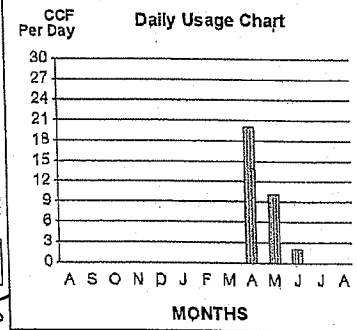
Current Supplier: Connecticut Natural Gas Corporation			
Customer Charge		\$	165.00
Daily Demand Metering Charge		\$	19.32
Delivery Charge	1.000 CCF @ \$.121000	\$	0.12
Demand Charge	98.000 CCF @ \$1.043100	\$	102.22
Distribution Integrity Management Program	98.000 CCF @ \$.074800	\$	7.33
Sales Service Charge	98.000 CCF @ \$.596300	\$	58.44
Purchased Gas Adjustment	1.000 CCF @ \$.455500	\$	0.46
Conservation Adjustment Mechanism	1.000 CCF @ \$.046000	\$	0.05
Decoupling Adjustment	1.000 CCF @ \$.037087	\$	0.04
System Expansion Adjustment	98.000 CCF @ \$.147700	\$	14.47
<b>Total Gas Charges</b>		\$	<b>367.45</b>

CT Sales Tax *Tax exempt* \$ *\** 23.33  
**Total New Charges** \$ **390.78**

**Amount Now Due: \$ 390.78**

All charges are due as of your Statement Date. For non-residential and residential non-hardship customers, any unpaid charges may be subject to a late payment charge as of your Statement Date, at the rate of 1.25% per month, if not paid on or before **09/06/2023**. If you make your payment on the Due Date at an authorized payment agent, your payment may not post until the following business day. If you have questions, please contact us.

Gas Usage Meter	Service Period	Meter Reading		Correction Factor	Total CCF
		Current	Last		
557292	28 days POD ID: 400-0000019-347	02288	02287	1	1



Energy Usage Comparison:

	CCF used	Days	Average Temp (F)
This Month	1	28	75
Last Year	0	0	0



04000111395477000009211000000000000000092118

Account Number	Payment Due Date	Amount Now Due
040-0011139-5477	9/06/23	\$92.11

Please make your check payable to:

**CNG**

Please Indicate Amount Paid	86.61
-----------------------------	-------

Please mail payment to:

CONNECTICUT NATURAL GAS CORPORATION  
PO BOX 847820  
BOSTON MA 02284-7820

000436 000006642

TOWN OF EAST HARTFORD  
740 MAIN ST  
EAST HARTFORD CT 06108-3140



234

Please consider adding \$1 for Operation Fuel to your payment this month or call 860-524-8361 to donate more than \$1.

CT LIC. S1-0303125, MECH 1109

**Your Account Information**

Customer Name Key: TOWN  
TOWN OF EAST HARTFORD  
804 SILVER LN  
EAST HARTFORD, CT 06118

Account Number: 040-0011139-5477  
Meter Number: 571095  
Rate: CNG Non Res Small General Service  
Billing Period: 7/11/23 - 8/07/23  
Statement Date: 8/09/23  
Next Meter Reading (on or about): 9/08/23

For emergency services or billing inquiries.  
Please call:  
Hartford, New Britain 860-524-8361  
Mansfield 860-456-8745  
Greenwich 203-869-6900  
For All Towns To Report Gas Odor Only:  
Toll Free 1-866-924-5325

**MESSAGES**

Your gas supplier is:  
Connecticut Natural Gas Corporation  
PO BOX 1500  
HARTFORD, CT 06144-1500  
1-860-524-8361  
www.cngcorp.com

If you're facing financial hardships and having trouble managing your energy bill, we have several programs and services to help. Please call us at 860.524.8361 (Hartford area) or 203.869.6900 (Greenwich) or visit [cngcorp.com/HelpWithBill](http://cngcorp.com/HelpWithBill).

Have a question for CNG?  
Click on Contact Us on  
CNG's website at [www.cngcorp.com](http://www.cngcorp.com).

**Previous Charges & Credits**

Amount of Previous Bill	7/12/23	\$	77.85
Payment Received, Thanks!	8/08/23	\$	77.85 cr
<b>Balance Forward</b>		\$	<b>0.00</b>

**New Charges & Credits**

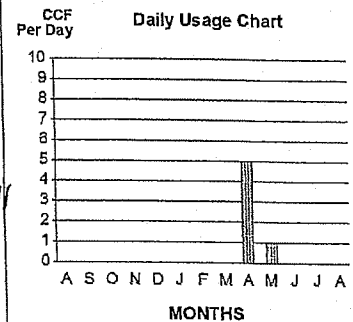
POD 4000000271367 (CNG - Cycle 05)

Current Supplier: Connecticut Natural Gas Corporation			
Customer Charge		\$	50.00
Demand Charge	17.000 CCF @ \$.964500	\$	16.40
Distribution Integrity Management Program	17.000 CCF @ \$.158400	\$	2.69
Sales Service Charge	17.000 CCF @ \$.728000	\$	12.38
System Expansion Adjustment	17.000 CCF @ \$.302500	\$	5.14
<b>Total Gas Charges</b>		\$	<b>86.61</b>
CT Sales Tax		\$	5.50
<b>Total New Charges</b>		\$	<b>92.11</b>

**Amount Now Due: \$ 92.11**

All charges are due as of your Statement Date. For non-residential and residential non-hardship customers, any unpaid charges may be subject to a late payment charge as of your Statement Date, at the rate of 1.25% per month, if not paid on or before 09/06/2023. If you make your payment on the Due Date at an authorized payment agent, your payment may not post until the following business day. If you have questions, please contact us.

Meter	Service Period	Meter Reading		Correction Factor	Total CCF
		Current	Last		
571095	28 days POD ID: 400-0000027-1367	06878	06878	1	0



Energy Usage Comparison:

	CCF used	Days	Average Temp (F)
This Month	0	28	75
Last Year	0	0	0



04000111397473000005215000000000000000052158

Account Number	Payment Due Date	Amount Now Due
040-0011139-7473	9/06/23	\$52.15

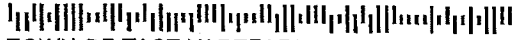
Please make your check payable to:  
CNG

Please Indicate Amount Paid	52.15
-----------------------------	-------

Please mail payment to:

CONNECTICUT NATURAL GAS CORPORATION  
PO BOX 847820  
BOSTON MA 02284-7820

000434 000006644



TOWN OF EAST HARTFORD  
740 MAIN ST  
EAST HARTFORD CT 06108-3140



234

Please consider adding \$1 for Operation Fuel to your payment this month or call 860-524-8361 to donate more than \$1.

CT LIC. S1-0303125, MECH 1109

Your Account Information

Customer Name Key: TOWN  
TOWN OF EAST HARTFORD  
806 SILVER LN  
EAST HARTFORD, CT 06118

Account Number: 040-0011139-7473  
Meter Number: 459968  
Rate: CNG Non Res Small General Service  
Billing Period: 7/11/23 - 8/07/23  
Statement Date: 8/09/23  
Next Meter Reading (on or about): 9/08/23

For emergency services or billing inquiries,  
Please call:  
Hartford, New Britain 860-524-8361  
Mansfield 860-456-8745  
Greenwich 203-869-6900  
For All Towns To Report Gas Odor Only:  
Toll Free 1-866-924-5325

MESSAGES

Your gas supplier is:  
Connecticut Natural Gas Corporation  
PO BOX 1500  
HARTFORD, CT 06144-1500  
1-860-524-8361  
www.cngcorp.com

If you're facing financial hardships and  
having trouble managing your energy bill,  
we have several programs and services to  
help. Please call us at 860.524.8361  
(Hartford area) or 203.869.6900 (Greenwich),  
or visit cngcorp.com/HelpWithBill.

Have a question for CNG?  
Click on Contact Us on  
CNG's website at www.cngcorp.com.

Previous Charges & Credits

Amount of Previous Bill	7/14/23	\$	48.78
Payment Received, Thanks!	8/08/23	\$	48.78 cr
<b>Balance Forward</b>		\$	<b>0.00</b>

New Charges & Credits

POD 4000000271531 (CNG - Cycle 05)

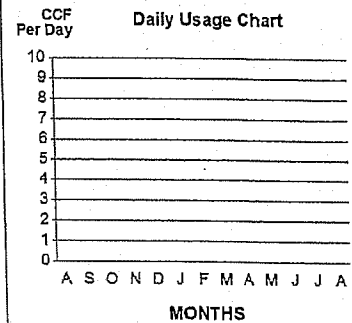
Current Supplier: Connecticut Natural Gas Corporation			
Customer Charge		\$	50.00
Demand Charge	1.000 CCF @ \$.964500	\$	0.96
Distribution Integrity Management Program	1.000 CCF @ \$.158400	\$	0.16
Sales Service Charge	1.000 CCF @ \$.728000	\$	0.73
System Expansion Adjustment	1.000 CCF @ \$.302500	\$	0.30
<b>Total Gas Charges</b>		\$	<b>52.15</b>

**Total New Charges** \$ **52.15**

**Amount Now Due: \$ 52.15**

All charges are due as of your Statement Date. For non-residential and residential non-hardship customers, any unpaid charges may be subject to a late payment charge as of your Statement Date, at the rate of 1.25% per month, if not paid on or before 09/06/2023. If you make your payment on the Due Date at an authorized payment agent, your payment may not post until the following business day. If you have questions, please contact us.

Gas Usage Meter	Service Period	Meter Reading		Correction Factor	Total CCF
		Current	Last		
459968	28 days POD ID: 400-0000027-1531	02171	02171	1	0



Energy Usage Comparison:

	CCF used	Days	Average Temp (F)
This Month	0	28	75
Last Year	0	0	0





04000111394595000067959000000000000000679594

Account Number	Payment Due Date	Amount Now Due
040-0011139-4595	9/06/23	<b>\$679.59</b>

Please make your check payable to:  
**CNG**

Please Indicate Amount Paid	679.59
-----------------------------	--------

000441 000006637



TOWN OF EAST HARTFORD  
740 MAIN ST  
EAST HARTFORD CT 06108-3140



Please mail payment to:



CONNECTICUT NATURAL GAS CORPORATION  
PO BOX 847820  
BOSTON MA 02284-7820

234

Please consider adding \$1 for Operation Fuel to your payment this month or call 860-524-8361 to donate more than \$1.

CT LIC. S1-0303125, MECH 1109

Your Account Information

Customer Name Key: **TOWN**  
TOWN OF EAST HARTFORD  
820 SILVER LN  
EAST HARTFORD, CT 06118

Account Number: 040-0011139-4595  
Meter Number: 550123  
Rate: CNG Non Res Medjum General Service  
Billing Period: 7/11/23 - 8/07/23  
Statement Date: 8/09/23  
Next Meter Reading (on or about): 9/08/23

For emergency services or billing inquiries, Please call:  
Hartford, New Britain 860-524-8361  
Mansfield 860-456-8745  
Greenwich 203-869-6900  
For All Towns To Report Gas Odor Only:  
Toll Free 1-866-924-5325

**MESSAGES**

Your gas supplier is:  
Connecticut Natural Gas Corporation  
PO BOX 1500  
HARTFORD, CT 06144-1500  
1-860-524-8361  
www.cngcorp.com

If you're facing financial hardships and having trouble managing your energy bill, we have several programs and services to help. Please call us at 860.524.8361 (Hartford area) or 203.869.6900 (Greenwich) or visit [cngcorp.com/HelpWithBill](http://cngcorp.com/HelpWithBill).

Have a question for CNG?  
Click on Contact Us on  
CNG's website at [www.cngcorp.com](http://www.cngcorp.com).

Previous Charges & Credits

Amount of Previous Bill	7/12/23	\$	554.92
Payment Received, Thanks!	8/08/23	\$	554.92
<b>Balance Forward</b>		\$	<b>0.00</b>

New Charges & Credits

POD 4000000271370 (CNG - Cycle 05)

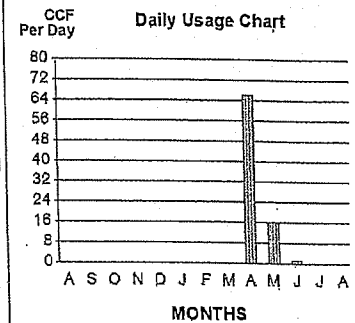
Current Supplier: Connecticut Natural Gas Corporation			
Customer Charge		\$	165.00
Daily Demand Metering Charge		\$	19.32
Demand Charge	266.000 CCF @ \$1.043100	\$	277.46
Distribution Integrity Management Program	266.000 CCF @ \$.074800	\$	19.90
Sales Service Charge	266.000 CCF @ \$.596300	\$	158.62
System Expansion Adjustment	266.000 CCF @ \$.147700	\$	39.29
<b>Total Gas Charges</b>		\$	<b>679.59</b>

**Total New Charges \$ 679.59**

**Amount Now Due: \$ 679.59**

All charges are due as of your Statement Date. For non-residential and residential non-hardship customers, any unpaid charges may be subject to a late payment charge as of your Statement Date, at the rate of 1.25% per month, if not paid on or before 09/06/2023. If you make your payment on the Due Date at an authorized payment agent, your payment may not post until the following business day. If you have questions, please contact us.

Gas Usage					
Meter	Service Period	Meter Reading		Correction Factor	Total CCF
		Current	Last		
550123	28 days POD ID: 400-0000027-1370	869576	869576	1	0



Energy Usage Comparison:

	CCF used	Days	Average Temp (F)
This Month	0	28	75
Last Year	0	0	0



0400011139460300001904300000000000000190438

Account Number	Payment Due Date	Amount Now Due
040-0011139-4603	9/06/23	\$190.43

Please make your check payable to:  
**CNG**

Please Indicate Amount Paid	190.43
-----------------------------	--------

000440 000006638



TOWN OF EAST HARTFORD  
740 MAIN ST  
EAST HARTFORD CT 06108-3140

Please mail payment to:



CONNECTICUT NATURAL GAS CORPORATION  
PO BOX 847820  
BOSTON MA 02284-7820

234

Please consider adding \$1 for Operation Fuel to your payment this month or call 860-524-8361 to donate more than \$1.

CT LIC. S1-0303125, MECH 1109

Your Account Information

Customer Name Key: TOWN  
TOWN OF EAST HARTFORD  
824 SILVER LN  
EAST HARTFORD, CT 06118

Account Number: 040-0011139-4603  
Meter Number: 580836  
Rate: CNG Non Res Small General Service  
Billing Period: 7/11/23 - 8/07/23  
Statement Date: 8/09/23  
Next Meter Reading (on or about): 9/08/23

For emergency services or billing inquiries.  
Please call:  
Hartford, New Britain 860-524-8361  
Mansfield 860-456-8745  
Greenwich 203-869-6900  
For All Towns To Report Gas Odor Only:  
Toll Free 1-866-924-5325

**MESSAGES**

Your gas supplier is:  
Connecticut Natural Gas Corporation  
PO BOX 1500  
HARTFORD, CT 06144-1500  
1-860-524-8361  
www.cngcorp.com

If you're facing financial hardships and having trouble managing your energy bill, we have several programs and services to help. Please call us at 860.524.8361 (Hartford area) or 203.869.6900 (Greenwich) or visit [cngcorp.com/HelpWithBill](http://cngcorp.com/HelpWithBill).

Have a question for CNG?  
Click on Contact Us on  
CNG's website at [www.cngcorp.com](http://www.cngcorp.com).

Previous Charges & Credits

Amount of Previous Bill	7/12/23	\$	147.80
Payment Received, Thanks!	8/08/23	\$	147.80 cr
<b>Balance Forward</b>		\$	<b>0.00</b>

New Charges & Credits

POD 4000000271371 (CNG - Cycle 05)

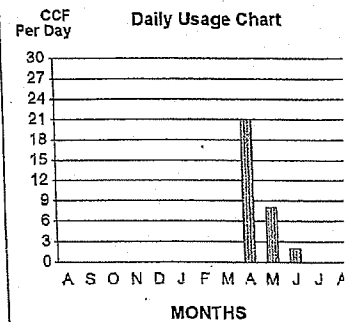
Current Supplier: Connecticut Natural Gas Corporation			
Customer Charge		\$	50.00
Delivery Charge	13.000 CCF @ \$.596700	\$	7.76
Demand Charge	58.000 CCF @ \$.964500	\$	55.94
Distribution Integrity Management Program	58.000 CCF @ \$.158400	\$	9.19
Sales Service Charge	58.000 CCF @ \$.728000	\$	42.22
Purchased Gas Adjustment	13.000 CCF @ \$.514900	\$	6.69
Conservation Adjustment Mechanism	13.000 CCF @ \$.046000	\$	0.60
Decoupling Adjustment	13.000 CCF @ \$.037087	\$	0.48
System Expansion Adjustment	58.000 CCF @ \$.302500	\$	17.55
<b>Total Gas Charges</b>		\$	<b>190.43</b>

**Total New Charges** \$ **190.43**

**Amount Now Due: \$ 190.43**

All charges are due as of your Statement Date. For non-residential and residential non-hardship customers, any unpaid charges may be subject to a late payment charge as of your Statement Date, at the rate of 1.25% per month, if not paid on or before 09/06/2023. If you make your payment on the Due Date at an authorized payment agent, your payment may not post until the following business day. If you have questions, please contact us.

Gas Usage Meter	Service Period	Meter Reading Current Last	Correction Factor	Total CCF
580836	28 days POD ID: 400-0000027-1371	05232 - 05219	1	13



Energy Usage Comparison:

	CCF used	Days	Average Temp (F)
This Month	13	28	75
Last Year	0	0	0



04000111394629000013791000000000000000137918

Account Number	Payment Due Date	Amount Now Due
040-0011139-4629	9/06/23	\$137.91

Please make your check payable to:  
**CNG**

Please Indicate Amount Paid	129.68
-----------------------------	--------

000438 000006640

TOWN OF EAST HARTFORD  
740 MAIN ST  
EAST HARTFORD CT 06108-3140

Please mail payment to:

CONNECTICUT NATURAL GAS CORPORATION  
PO BOX 847820  
BOSTON MA 02284-7820

Please consider adding \$1 for Operation Fuel to your payment this month or call 860-524-8361 to donate more than \$1.

CT LIC. S1-0303125, MECH 1109

**Your Account Information**

Customer Name Key: TOWN  
TOWN OF EAST HARTFORD  
830 SILVER LN  
EAST HARTFORD, CT 06118

Account Number: 040-0011139-4629  
Meter Number: 551286  
Rate: CNG Non Res Small General Service  
Billing Period: 7/11/23 - 8/07/23  
Statement Date: 8/09/23  
Next Meter Reading (on or about): 9/08/23

For emergency services or billing inquiries.  
Please call:  
Hartford, New Britain 860-524-8361  
Mansfield 860-456-8745  
Greenwich 203-869-6900  
For All Towns To Report Gas Odor Only:  
Toll Free 1-866-924-5325

**MESSAGES**

Your gas supplier is:  
Connecticut Natural Gas Corporation  
PO BOX 1500  
HARTFORD, CT 06144-1500  
1-860-524-8361  
www.cngcorp.com

If you're facing financial hardships and having trouble managing your energy bill, we have several programs and services to help. Please call us at 860.524.8361 (Hartford area) or 203.869.6900 (Greenwich) or visit cngcorp.com/HelpWithBill.

Have a question for CNG?  
Click on Contact Us on  
CNG's website at www.cngcorp.com.

**Previous Charges & Credits**

Amount of Previous Bill	Date	Amount
Amount of Previous Bill	7/12/23	\$ 164.40
Payment Received, Thanks!	8/08/23	\$ 164.40
<b>Balance Forward</b>		<b>\$ 0.00</b>

**New Charges & Credits**

POD 4000000271536 (CNG - Cycle 05)

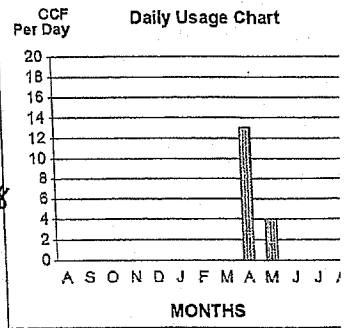
Description	Amount
Current Supplier: Connecticut Natural Gas Corporation	
Customer Charge	\$ 50.00
Demand Charge	\$ 35.69
Distribution Integrity Management Program	\$ 5.86
Sales Service Charge	\$ 26.94
System Expansion Adjustment	\$ 11.19
<b>Total Gas Charges</b>	<b>\$ 129.68</b>

CT Sales Tax	\$ 8.23
<b>Total New Charges</b>	<b>\$ 137.91</b>

**Amount Now Due: \$ 137.91**

All charges are due as of your Statement Date. For non-residential and residential non-hardship customers, any unpaid charges may be subject to a late payment charge as of your Statement Date, at the rate of 1.25% per month, if not paid on or before 09/06/2023. If you make your payment on the Due Date at an authorized payment agent, your payment may not post until the following business day. If you have questions, please contact us.

Gas Usage Meter	Service Period	Meter Reading Current Last	Correction Factor	Total CCF
551286	28 days POD ID: 400-0000027-1536	09099 - 09099	1	0



Energy Usage Comparison:

	CCF used	Days	Average Temp (F)
This Month	0	28	75
Last Year	0	0	0



040001113962020000129680000000000000129688

Account Number	Payment Due Date	Amount Now Due
040-0011139-6202	9/06/23	\$129.68

Please make your check payable to:  
CNG

Please Indicate Amount Paid	129.68
-----------------------------	--------

Please mail payment to:

CONNECTICUT NATURAL GAS CORPORATION  
PO BOX 847820  
BOSTON MA 02284-7820

000435 000006643

TOWN OF EAST HARTFORD  
740 MAIN ST  
EAST HARTFORD CT 06108-3140



234

Please consider adding \$1 for Operation Fuel to your payment this month or call 860-524-8361 to donate more than \$1.

CT LIC. S1-0303125, MECH 1109

Your Account Information

Account Number: 040-0011139-6202  
 Meter Number: 569221  
 Rate: CNG Non Res Small General Service  
 Billing Period: 7/11/23 - 8/07/23  
 Statement Date: 8/09/23  
 Next Meter Reading (on or about): 9/08/23

For emergency services or billing inquiries, Please call:  
 Hartford, New Britain 860-524-8361  
 Mansfield 860-456-8745  
 Greenwich 203-869-6900  
 For All Towns To Report Gas Odor Only:  
 Toll Free 1-866-924-5325

Previous Charges & Credits

Amount of Previous Bill	7/12/23	\$	103.73
Payment Received, Thanks!	8/08/23	\$	103.73
<b>Balance Forward</b>		\$	<b>0.00</b>

New Charges & Credits

POD 40000000360472 (CNG - Cycle 05)

Current Supplier: Connecticut Natural Gas Corporation			
Customer Charge		\$	50.00
Demand Charge	37.000 CCF @ \$.964500	\$	35.69
Distribution Integrity Management Program	37.000 CCF @ \$.158400	\$	5.86
Sales Service Charge	37.000 CCF @ \$.728000	\$	26.94
System Expansion Adjustment	37.000 CCF @ \$.302500	\$	11.19
<b>Total Gas Charges</b>		\$	<b>129.68</b>

**Total New Charges \$ 129.68**

**Amount Now Due: \$ 129.68**

All charges are due as of your Statement Date. For non-residential and residential non-hardship customers, any unpaid charges may be subject to a late payment charge as of your Statement Date, at the rate of 1.25% per month, if not paid on or before 09/06/2023. If you make your payment on the Due Date at an authorized payment agent, your payment may not post until the following business day. If you have questions, please contact us.

Gas Usage Meter	Service Period	Meter Reading Current Last	Correction Factor	Total CCF
569221	28 days POD ID: 400-0000036-0472	10594 - 10594	1	0

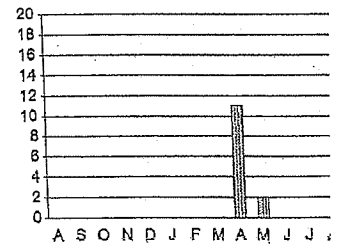
MESSAGES

Your gas supplier is:  
 Connecticut Natural Gas Corporation  
 PO BOX 1500  
 HARTFORD, CT 06144-1500  
 1-860-524-8361  
 www.cngcorp.com

If you're facing financial hardships and having trouble managing your energy bill, we have several programs and services to help. Please call us at 860.524.8361 (Hartford area) or 203.869.6900 (Greenwich) or visit cngcorp.com/HelpWithBill.

Have a question for CNG?  
 Click on Contact Us on  
 CNG's website at www.cngcorp.com.

CCF Per Day Daily Usage Chart



MONTHS

Energy Usage Comparison:

	CCF used	Days	Average Temp (f)
This Month	0	28	75
Last Year	0	0	0

**PURCHASE ORDER PAYMENT REQUEST**

Department Name: FINANCE P.O. Number: 2024-0503  
 Payment is: Partial  Final  
 Vendor: Eversource Vendor Number: 93738 R0  
 Budget Account Number: S4427-65252 Payment Amount: \$7,705.80

List Here the Invoice Number(s) for this payment:

Account Number	Invoice Date	Amount of Invoice	Service Location	Meter Number
5122 131 0196	7/25/2023	\$7,526.84	Silver Lane - 22 Locations	Multiple
5106 180 0165	8/1/2023	\$178.96	Silver Lane - 4 Locations	Multiple

Attach original invoices and packing slips and send to Finance for processing.

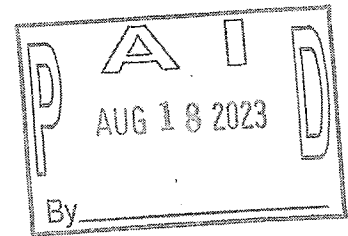
8/9/2023  
Date

C O'Reilly  
Approved By (Authorized Signature)

FOR FINANCE DEPARTMENT USE ONLY  
 Added to worksheet 19



Inv# 7.25.2023 & LIST \$7705.80  
 EVERSOURCE  
 07/25/2023 # Pages 19 FP19 DOC37S2567  
 PO# 20240503



ST



# EVERSOURCE

Account Number: 5122 131 0196  
Statement Date: 07/25/23  
Service Provided To:  
TOWN OF EAST HARTFORD

Total Amount Due by 08/22/23 **\$14,792.26**

Amount Due On 07/21/23 \$7,265.42  
Last Payment Received \$0.00  
Balance Forward \$7,265.42  
Total Current Charges **\$7,526.84**

PO 7/24  
CK 86223

## Current Charges for Electricity

Supply

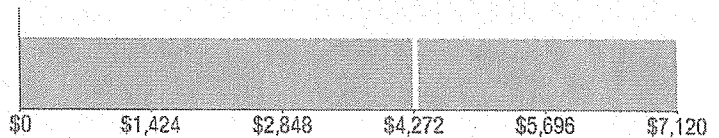
**\$4,257.80**

Cost of electricity from Eversource

Delivery

**\$2,854.30**

Cost to deliver electricity from Eversource



Your electric supplier is

Eversource  
PO Box 270  
Hartford, CT 06141-0270

### News For You

Beginning on July 1, if you receive energy supply from Eversource you will see a decrease to your bill compared to June. The Standard Service supply rate is decreasing due to lower prices in the energy market and lower demand for natural gas in the summer, which is used to generate electricity. Energy use may also increase in the summer. See how we can help you use less energy and maximize savings at [Eversource.com/home-savings](http://Eversource.com/home-savings).

Remit Payment To: Eversource, PO Box 56002, Boston, MA 02205-6002

CE\_230725PROD.TXT-19-00000001

Please make your check payable to Eversource and consider adding \$1 for Operation Fuel. You can also add \$2 or \$3 when paying your bill online. 100% of your tax-deductible donation provides energy assistance grants. If mailing, please allow up to 5 business days to post.

# EVERSOURCE

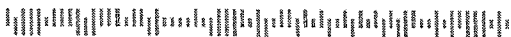
Account Number: 5122 131 0196

Non-residential and residential non-hardship customers may be subject to a 1.00% late payment charge if the "Total Amount Due" is not received by 08/22/23.

Total Amount Due by 08/22/23 **\$14,792.26**

Amount Enclosed **7,526.84**

000010 000000001



TOWN OF EAST HARTFORD  
740 MAIN ST  
EAST HARTFORD CT 06108-3140



Eversource  
PO Box 56002  
Boston, MA 02205-6002



# EVERSOURCE

Account Number: 5122 131 0196

Customer name key: EAST

Statement Date: 07/25/23

Service Provided To:  
TOWN OF EAST HARTFORD

Total Amount Due  
by 08/22/23

**\$14,792.26**

Svc Addr: 800 SILVER LN  
STE 220  
EAST HARTFORD CT 06118  
Serv Ref: 049851008 Bill Cycle: 17  
Service from 06/23/23 - 07/25/23 32 Days  
Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
891382872	8691	8685	6	Actual

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
4	7	6	7	6

Svc Addr: 820 SILVER LN  
EAST HARTFORD CT 06118  
Serv Ref: 244761003 Bill Cycle: 17  
Service from 06/23/23 - 07/25/23 32 Days  
Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
889897112	18516	15316	3200	Actual

Total Demand Use = 7.30 kW

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
1805	3693	2944	3283	3200

### Electric Account Summary

Amount Due On 07/21/23	\$7,265.42
Last Payment Received	\$0.00
Balance Forward	\$7,265.42
Current Charges/Credits	
Electric Supply Services	\$4,257.80
Delivery Services	\$2,854.30
Other Charges or Credits	\$414.74
Total Current Charges	\$7,526.84
<b>Total Amount Due</b>	<b>\$14,792.26</b>

### Total Charges for Electricity

#### Supplier

Eversource

Service Reference: 049851008

Allocated for 06/23/23 to 06/30/23

Generation Svc Chrg\*\* 1.30kWh X \$0.23031 \$0.30

Allocated for 06/30/23 to 07/25/23

Generation Svc Chrg\*\* 4.70kWh X \$0.14264 \$0.67

Service Reference: 244761003

Allocated for 06/23/23 to 06/30/23

Generation Svc Chrg\*\* 700.10kWh X \$0.23031 \$161.24

Allocated for 06/30/23 to 07/25/23

Generation Svc Chrg\*\* 2499.90kWh X \$0.14264 \$356.59

Service Reference: 308851002

Allocated for 06/23/23 to 06/30/23

Generation Svc Chrg\*\* 175.00kWh X \$0.23031 \$40.30

Allocated for 06/30/23 to 07/25/23

Generation Svc Chrg\*\* 625.00kWh X \$0.14264 \$89.15

Service Reference: 333951007

CE\_230725PROD.TXT-20-00000001

\*The Combined Public Benefits Charge represents a combination of three charges formerly known as: Conservation and Load Mgmt Charge, Renewable Energy Investment Charge, and Systems Benefits Charge. This charge also includes the Conservation Adjustment Mechanism approved by the Public Utilities Regulatory Authority in Docket No. 13-11-14.

\*\*Effective January 1, 2007, the Generation Services Charge (GSC) and the Bypassable Federally Mandated Congestion Charge (BFMCC) have been combined into the "GSC Charge" listed in the Supplier Services section of your bill. The GSC reflects all of the cost of procuring energy from Eversource wholesale suppliers. The BFMCC portion of this line item is -\$0.0017 / kWh. If you multiply this BFMCC rate by the number of kWhs on your bill, you can calculate the dollar amount associated with the BFMCC.

\*\*\*Electric System Improvements: Recovers company investments that protect, strengthen or modernize the electric grid.



# EVERSOURCE

Account Number: **5122 131 0196**  
 Customer name key: EAST  
 Statement Date: **07/25/23**  
 Service Provided To:  
**TOWN OF EAST HARTFORD**

Continued from previous page...

Svc Addr: **820 SILVER LN**  
**EAST HARTFORD CT 06118**  
 Serv Ref: **308851002** Bill Cycle: **17**  
 Service from **06/23/23 - 07/25/23** 32 Days  
 Next read date on or about: **Aug 24, 2023**

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
<b>893311942</b>	<b>2079</b>	<b>2069</b>	<b>10</b>	<b>Actual</b>

Total Demand Use = 1.60 kW  
 10 X Meter Constant of 80 = 800 Billed Usage

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
2640	2560	1120	1120	800

Svc Addr: **800 SILVER LN**  
**STE 240**  
**EAST HARTFORD CT 06118**  
 Serv Ref: **333951007** Bill Cycle: **17**  
 Service from **06/23/23 - 07/25/23** 32 Days  
 Next read date on or about: **Aug 24, 2023**

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
<b>891320912</b>	<b>36509</b>	<b>36507</b>	<b>2</b>	<b>Actual</b>

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
1	3	11	3	2

Svc Addr: **800 SILVER LN**  
**STE 236**  
**EAST HARTFORD CT 06118**  
 Serv Ref: **396951005** Bill Cycle: **17**  
 Service from **06/23/23 - 07/25/23** 32 Days  
 Next read date on or about: **Aug 24, 2023**

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
<b>891382902</b>	<b>34397</b>	<b>33989</b>	<b>408</b>	<b>Actual</b>

Total Demand Use = 0.50 kW

Total Amount Due  
 by 08/22/23

**\$14,792.26**

Continued from previous page...

Generation Srvc Chrg**	0.40kWh X \$0.23031	\$0.09
Allocated for 06/30/23 to 07/25/23		
Generation Srvc Chrg**	1.60kWh X \$0.14264	\$0.23
Service Reference: 396951005		
Allocated for 06/23/23 to 06/30/23		
Generation Srvc Chrg**	89.20kWh X \$0.23031	\$20.54
Allocated for 06/30/23 to 07/25/23		
Generation Srvc Chrg**	318.80kWh X \$0.14264	\$45.47
Service Reference: 407861000		
Generation Srvc Chrg**	0.60kWh X \$0.23031	\$0.14
Allocated for 06/30/23 to 07/25/23		
Generation Srvc Chrg**	2.40kWh X \$0.14264	\$0.34
Service Reference: 430061006		
Allocated for 06/23/23 to 06/30/23		
Generation Srvc Chrg**	1.30kWh X \$0.23031	\$0.30
Allocated for 06/30/23 to 07/25/23		
Generation Srvc Chrg**	4.70kWh X \$0.14264	\$0.67
Service Reference: 484951009		
Allocated for 06/23/23 to 06/30/23		
Generation Srvc Chrg**	9.60kWh X \$0.23031	\$2.21
Allocated for 06/30/23 to 07/25/23		
Generation Srvc Chrg**	34.40kWh X \$0.14264	\$4.91
Service Reference: 496951005		
Allocated for 06/23/23 to 06/30/23		
Generation Srvc Chrg**	234.90kWh X \$0.23031	\$54.10
Allocated for 06/30/23 to 07/25/23		
Generation Srvc Chrg**	839.10kWh X \$0.14264	\$119.69
Service Reference: 511961000		
Allocated for 06/23/23 to 06/30/23		
Generation Srvc Chrg**	1.30kWh X \$0.23031	\$0.30
Allocated for 06/30/23 to 07/25/23		
Generation Srvc Chrg**	4.70kWh X \$0.14264	\$0.67
Service Reference: 553951000		
Allocated for 06/23/23 to 06/30/23		
Generation Srvc Chrg**	4183.40kWh X \$0.23031	\$963.48
Allocated for 06/30/23 to 07/25/23		
Generation Srvc Chrg**	14936.60kWh X \$0.14264	\$2,130.56



# EVERSOURCE

Account Number: 5122 131 0196  
 Customer name key: EAST  
 Statement Date: 07/25/23  
 Service Provided To:  
 TOWN OF EAST HARTFORD

Total Amount Due  
 by 08/22/23

**\$14,792.26**

Continued from previous page...

Continued from previous page...

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
20	487	392	397	408

Svc Addr: 800 SILVER LN  
 EAST HARTFORD CT 06118  
 Serv Ref: 407861000 Bill Cycle: 17  
 Service from 06/23/23 - 07/25/23 32 Days  
 Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
892627282	65030	65027	3	Actual

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
1	2	2	2	3

Svc Addr: 800 SILVER LN  
 STE 205  
 EAST HARTFORD CT 06118  
 Serv Ref: 430061006 Bill Cycle: 17  
 Service from 06/23/23 - 07/25/23 32 Days  
 Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
891382932	4830	4824	6	Actual

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
4	26	5	7	6

Service Reference: 630061006  
 Generation Srvc Chrg\*\* 26.20kWh X \$0.23031 \$6.03  
 Allocated for 06/30/23 to 07/25/23  
 Generation Srvc Chrg\*\* 93.80kWh X \$0.14264 \$13.38

Service Reference: 674951001  
 Allocated for 06/23/23 to 06/30/23  
 Generation Srvc Chrg\*\* 16.40kWh X \$0.23031 \$3.78  
 Allocated for 06/30/23 to 07/25/23  
 Generation Srvc Chrg\*\* 58.60kWh X \$0.14264 \$8.36

Service Reference: 733951007  
 Generation Srvc Chrg\*\* 8.30kWh X \$0.23031 \$1.91  
 Allocated for 06/30/23 to 07/25/23  
 Generation Srvc Chrg\*\* 29.70kWh X \$0.14264 \$4.24

Service Reference: 761861001  
 Allocated for 06/23/23 to 06/30/23  
 Generation Srvc Chrg\*\* 35.00kWh X \$0.23031 \$8.06  
 Allocated for 06/30/23 to 07/25/23  
 Generation Srvc Chrg\*\* 125.00kWh X \$0.14264 \$17.83

Service Reference: 807861006  
 Allocated for 06/23/23 to 06/30/23  
 Generation Srvc Chrg\*\* 166.20kWh X \$0.23031 \$38.28  
 Allocated for 06/30/23 to 07/25/23  
 Generation Srvc Chrg\*\* 593.80kWh X \$0.14264 \$84.70

Service Reference: 823951007  
 Allocated for 06/23/23 to 06/30/23  
 Generation Srvc Chrg\*\* 7.60kWh X \$0.23031 \$1.75  
 Allocated for 06/30/23 to 07/25/23  
 Generation Srvc Chrg\*\* 27.40kWh X \$0.14264 \$3.91

Service Reference: 843951000  
 Allocated for 06/23/23 to 06/30/23  
 Generation Srvc Chrg\*\* 7.00kWh X \$0.23031 \$1.61  
 Allocated for 06/30/23 to 07/25/23  
 Generation Srvc Chrg\*\* 25.00kWh X \$0.14264 \$3.57

Service Reference: 864951001  
 Allocated for 06/23/23 to 06/30/23  
 Generation Srvc Chrg\*\* 17.50kWh X \$0.23031 \$4.03

# EVERSOURCE

Account Number: 5122 131 0196

Customer name key: EAST

Statement Date: 07/25/23

Service Provided To:  
TOWN OF EAST HARTFORD

Continued from previous page...

Svc Addr: 800 SILVER LN  
STE 204  
EAST HARTFORD CT 06118  
Serv Ref: 484951009 Bill Cycle: 17  
Service from 06/23/23 - 07/25/23 32 Days  
Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
10252125V	398	354	44	Actual

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
15	55	36	39	44

Svc Addr: 844 SILVER LN  
EAST HARTFORD CT 06118  
Serv Ref: 496951005 Bill Cycle: 17  
Service from 06/23/23 - 07/25/23 32 Days  
Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
886116672	53119	52045	1074	Actual

Total Demand Use = 7.00 kW

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
484	873	782	931	1074

Svc Addr: 800 SILVER LN  
STE 230  
EAST HARTFORD CT 06118  
Serv Ref: 511961000 Bill Cycle: 17  
Service from 06/23/23 - 07/25/23 32 Days  
Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
891382862	3597	3591	6	Actual

Total Amount Due  
by 08/22/23

**\$14,792.26**

Continued from previous page...

Allocated for 06/30/23 to 07/25/23  
Generation Srvc Chrg\*\* 62.50kWh X \$0.14264 \$8.92

Service Reference: 929851008  
Allocated for 06/23/23 to 06/30/23  
Generation Srvc Chrg\*\* 72.80kWh X \$0.23031 \$16.77  
Allocated for 06/30/23 to 07/25/23  
Generation Srvc Chrg\*\* 260.20kWh X \$0.14264 \$37.11

Service Reference: 943951000  
Allocated for 06/23/23 to 06/30/23  
Generation Srvc Chrg\*\* 2.10kWh X \$0.23031 \$0.48  
Allocated for 06/30/23 to 07/25/23  
Generation Srvc Chrg\*\* 7.90kWh X \$0.14264 \$1.13  
Subtotal Supplier Services \$4,257.80

**Delivery**

(DISTRIBUTION RATE: 030)

Service Reference: 049851008  
Allocated for 06/23/23 to 06/30/23  
Distr Cust Srvc Chrg \$44.0000 X 0.21880 \$9.63  
FMCC Delivery Chrg 1.30kWh X \$-0.01500 -\$0.02  
Comb Public Benefit Chrg\* 1.30kWh X \$0.00753 \$0.01

Allocated for 06/30/23 to 07/25/23  
Distr Cust Srvc Chrg \$44.0000 X 0.78120 \$34.37  
Revenue Adj Mechanism 4.70kWh X \$0.00127 \$0.01  
Comb Public Benefit Chrg\* 4.70kWh X \$0.00750 \$0.04

(DISTRIBUTION RATE: 030)

Service Reference: 244761003

Allocated for 06/23/23 to 06/30/23  
Transmission Dmd Chrg 5.30KW X \$9.36000 X 0.21880 \$10.85  
Distr Cust Srvc Chrg \$44.0000 X 0.21880 \$9.63  
Electric Sys Improvements\*\*\* 5.30KW X \$1.86000 X 0.21880 \$2.16  
Distribution Dmd Chrg 5.30KW X \$14.22000 X 0.21880 \$16.49  
Revenue Adj Mechanism 700.10kWh X \$0.00192 \$1.34  
CTA Demand Chrg 5.30KW X \$-0.11000 X 0.21880 -\$0.13  
FMCC Delivery Chrg 700.10kWh X \$-0.01500 -\$10.50  
Comb Public Benefit Chrg\* 700.10kWh X \$0.00753 \$5.27

Allocated for 06/30/23 to 07/25/23  
Transmission Dmd Chrg 5.30KW X \$10.46000 X 0.78120 \$43.31



# EVERSOURCE

Account Number: 5122 131 0196  
 Customer name key: EAST  
 Statement Date: 07/25/23  
 Service Provided To:  
 TOWN OF EAST HARTFORD

Total Amount Due  
 by 08/22/23

**\$14,792.26**

Continued from previous page...

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Electric Sys Improvements***	5.30KW X \$2.27000 X 0.78120	\$9.40
Distribution Dmnd Chrg	5.30KW X \$14.22000 X 0.78120	\$58.88
Revenue Adj Mechanism	2499.90kWh X \$0.00127	\$3.17
CTA Demand Chrg	5.30KW X \$-0.13000 X 0.78120	-\$0.54
Comb Public Benefit Chrg*	2499.90kWh X \$0.00750	\$18.75

(DISTRIBUTION RATE: 030)

Service Reference: 308851002

Allocated for 06/23/23 to 06/30/23

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
Revenue Adj Mechanism	175.00kWh X \$0.00192	\$0.34
FMCC Delivery Chrg	175.00kWh X \$-0.01500	-\$2.63
Comb Public Benefit Chrg*	175.00kWh X \$0.00753	\$1.32

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Revenue Adj Mechanism	625.00kWh X \$0.00127	\$0.79
Comb Public Benefit Chrg*	625.00kWh X \$0.00750	\$4.69

(DISTRIBUTION RATE: 030)

Service Reference: 333951007

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
FMCC Delivery Chrg	0.40kWh X \$-0.01500	-\$0.01

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Comb Public Benefit Chrg*	1.60kWh X \$0.00750	\$0.01

(DISTRIBUTION RATE: 030)

Service Reference: 396951005

Allocated for 06/23/23 to 06/30/23

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
Revenue Adj Mechanism	89.20kWh X \$0.00192	\$0.17
FMCC Delivery Chrg	89.20kWh X \$-0.01500	-\$1.34
Comb Public Benefit Chrg*	89.20kWh X \$0.00753	\$0.67

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Revenue Adj Mechanism	318.80kWh X \$0.00127	\$0.40
Comb Public Benefit Chrg*	318.80kWh X \$0.00750	\$2.39

Continued from previous page...

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
3	6	5	6	6

Svc Addr: 794-810 SILVER LN  
 EAST HARTFORD CT 06118  
 Serv Ref: 553951000 Bill Cycle: 17  
 Service from 06/23/23 - 07/25/23 32 Days  
 Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
896415082	10868	10390	478	Actual

Total Demand Use = 57.30 kW  
 478 X Meter Constant of 40 = 19,120 Billed Usage

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
2040	5440	5160	11520	19120

Svc Addr: 824 SILVER LN  
 EAST HARTFORD CT 06118  
 Serv Ref: 630061006 Bill Cycle: 17  
 Service from 06/23/23 - 07/25/23 32 Days  
 Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
894280772	268	267	1	Actual

Total Demand Use = 0.20 kW  
 1 X Meter Constant of 120 = 120 Billed Usage

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
120	120	120	120	120

# EVERSOURCE

Account Number: **5122 131 0196**  
 Customer name key: EAST  
 Statement Date: 07/25/23  
 Service Provided To:  
 TOWN OF EAST HARTFORD

Continued from previous page...

Svc Addr: 840 SILVER LN  
 EAST HARTFORD CT 06118  
 Serv Ref: 674951001 Bill Cycle: 17  
 Service from 06/23/23 - 07/25/23 32 Days  
 Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
886116432	32745	32670	75	Actual

Total Demand Use = 0.70 kW

Monthly kWh Use

Mar	Apr	May	Jun	Jul
92	65	39	59	75

Svc Addr: 850 SILVER LN  
 EAST HARTFORD CT 06118  
 Serv Ref: 733951007 Bill Cycle: 17  
 Service from 06/23/23 - 07/25/23 32 Days  
 Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
890286442	39483	39445	38	Actual

Total Demand Use = 0.10 kW

Monthly kWh Use

Mar	Apr	May	Jun	Jul
60	78	53	48	38

Svc Addr: 830 SILVER LN  
 UNIT A  
 EAST HARTFORD CT 06118  
 Serv Ref: 761861001 Bill Cycle: 17  
 Service from 06/23/23 - 07/25/23 32 Days  
 Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
894823692	2644	2642	2	Actual

Total Demand Use = 0.40 kW

2 X Meter Constant of 80 = 160 Billed Usage



Total Amount Due by 08/22/23 **\$14,792.26**

Continued from previous page...

(DISTRIBUTION RATE: 030)

Service Reference: 407861000

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
FMCC Delivery Chrg	0.60kWh X \$-0.01500	-\$0.01

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Comb Public Benefit Chrg*	2.40kWh X \$0.00750	\$0.02

(DISTRIBUTION RATE: 030)

Service Reference: 430061006

Allocated for 06/23/23 to 06/30/23

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
FMCC Delivery Chrg	1.30kWh X \$-0.01500	-\$0.02
Comb Public Benefit Chrg*	1.30kWh X \$0.00753	\$0.01

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Revenue Adj Mechanism	4.70kWh X \$0.00127	\$0.01
Comb Public Benefit Chrg*	4.70kWh X \$0.00750	\$0.04

(DISTRIBUTION RATE: 030)

Service Reference: 484951009

Allocated for 06/23/23 to 06/30/23

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
Revenue Adj Mechanism	9.60kWh X \$0.00192	\$0.02
FMCC Delivery Chrg	9.60kWh X \$-0.01500	-\$0.14
Comb Public Benefit Chrg*	9.60kWh X \$0.00753	\$0.07

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Revenue Adj Mechanism	34.40kWh X \$0.00127	\$0.04
Comb Public Benefit Chrg*	34.40kWh X \$0.00750	\$0.26

(DISTRIBUTION RATE: 030)

Service Reference: 496951005

Allocated for 06/23/23 to 06/30/23

Transmission Dmd Chrg	5.00KW X \$9.36000 X 0.21880	\$10.24
Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
Electric Sys Improvements***	5.00KW X \$1.86000 X 0.21880	\$2.03
Distribution Dmd Chrg	5.00KW X \$14.22000 X 0.21880	\$15.56

# EVERSOURCE

Account Number: **5122 131 0196**  
 Customer name key: EAST  
 Statement Date: **07/25/23**  
 Service Provided To:  
**TOWN OF EAST HARTFORD**

Total Amount Due  
 by 08/22/23

**\$14,792.26**

Continued from previous page...

Revenue Adj Mechanism	234.90kWh X \$0.00192	\$0.45
CTA Demand Chrg	5.00KW X \$-0.11000 X 0.21880	-\$0.12
FMCC Delivery Chrg	234.90kWh X \$-0.01500	-\$3.52
Comb Public Benefit Chrg*	234.90kWh X \$0.00753	\$1.77

Allocated for 06/30/23 to 07/25/23

Transmission Dmd Chrg	5.00KW X \$10.46000 X 0.78120	\$40.86
Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Electric Sys Improvements***	5.00KW X \$2.27000 X 0.78120	\$8.87
Distribution Dmd Chrg	5.00KW X \$14.22000 X 0.78120	\$55.54
Revenue Adj Mechanism	839.10kWh X \$0.00127	\$1.07
CTA Demand Chrg	5.00KW X \$-0.13000 X 0.78120	-\$0.51
Comb Public Benefit Chrg*	839.10kWh X \$0.00750	\$6.29

(DISTRIBUTION RATE: 030)

Service Reference: 511961000

Allocated for 06/23/23 to 06/30/23

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
FMCC Delivery Chrg	1.30kWh X \$-0.01500	-\$0.02
Comb Public Benefit Chrg*	1.30kWh X \$0.00753	\$0.01

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Revenue Adj Mechanism	4.70kWh X \$0.00127	\$0.01
Comb Public Benefit Chrg*	4.70kWh X \$0.00750	\$0.04

(DISTRIBUTION RATE: 030)

Service Reference: 553951000

Allocated for 06/23/23 to 06/30/23

Transmission Dmd Chrg	55.30KW X \$9.36000 X 0.21880	\$113.25
Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
Electric Sys Improvements***	55.30KW X \$1.86000 X 0.21880	\$22.51
Distribution Dmd Chrg	55.30KW X \$14.22000 X 0.21880	\$172.06
Revenue Adj Mechanism	4183.40kWh X \$0.00192	\$8.03
CTA Demand Chrg	55.30KW X \$-0.11000 X 0.21880	-\$1.33
FMCC Delivery Chrg	4183.40kWh X \$-0.01500	-\$62.75
Comb Public Benefit Chrg*	4183.40kWh X \$0.00753	\$31.50

Allocated for 06/30/23 to 07/25/23

Transmission Dmd Chrg	55.30KW X \$10.46000 X 0.78120	\$451.88
Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Electric Sys Improvements***	55.30KW X \$2.27000 X 0.78120	\$98.06

Continued from previous page...

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
1680	2640	240	80	160

Svc Addr: **800 SILVER LN**  
**RM 2-232**  
**EAST HARTFORD CT 06118**  
 Serv Ref: **763661007** Bill Cycle: **17**  
 Service from **06/23/23 - 07/25/23** 32 Days  
 Next read date on or about: **Aug 24, 2023**

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
893521962	22	22	0	Actual

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
0	0	0	0	0

Svc Addr: **830 SILVER LN**  
**UNIT B**  
**EAST HARTFORD CT 06118**  
 Serv Ref: **807861006** Bill Cycle: **17**  
 Service from **06/23/23 - 07/25/23** 32 Days  
 Next read date on or about: **Aug 24, 2023**

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
896415302	2876	2857	19	Actual

Total Demand Use = 1.80 kW  
 19 X Meter Constant of 40 = 760 Billed Usage

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
1600	1600	1280	1160	760

# EVERSOURCE

Account Number: 5122 131 0196

Customer name key: EAST

Statement Date: 07/25/23

Service Provided To:  
TOWN OF EAST HARTFORD

Continued from previous page...

Svc Addr: 806 SILVER LN  
EAST HARTFORD CT 06118  
Serv Ref: 823951007 Bill Cycle: 17  
Service from 06/23/23 - 07/25/23 32 Days  
Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
885914422	72926	72891	35	Actual

Total Demand Use = 0.50 kW

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
15	30	25	28	35

Svc Addr: 800 SILVER LN  
STE 203  
EAST HARTFORD CT 06118  
Serv Ref: 843951000 Bill Cycle: 17  
Service from 06/23/23 - 07/25/23 32 Days  
Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
886116752	54948	54916	32	Actual

Total Demand Use = 1.20 kW

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
10	21	29	8	32

Svc Addr: 794 SILVER LN  
EAST HARTFORD CT 06118  
Serv Ref: 864951001 Bill Cycle: 17  
Service from 06/23/23 - 07/25/23 32 Days  
Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
892909362	16303	16223	80	Actual

Total Demand Use = 0.50 kW

Total Amount Due  
by 08/22/23

**\$14,792.26**

Continued from previous page...

Distribution Dmd Chrg	55.30KW X \$14.22000 X 0.78120	\$614.31
Revenue Adj Mechanism	14936.60kWh X \$0.00127	\$18.97
CTA Demand Chrg	55.30KW X \$-0.13000 X 0.78120	-\$5.62
Comb Public Benefit Chrg*	14936.60kWh X \$0.00750	\$112.02

(DISTRIBUTION RATE: 030)

Service Reference: 630061006

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
Revenue Adj Mechanism	26.20kWh X \$0.00192	\$0.05
FMCC Delivery Chrg	26.20kWh X \$-0.01500	-\$0.39
Comb Public Benefit Chrg*	26.20kWh X \$0.00753	\$0.20

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Revenue Adj Mechanism	93.80kWh X \$0.00127	\$0.12
Comb Public Benefit Chrg*	93.80kWh X \$0.00750	\$0.70

(DISTRIBUTION RATE: 030)

Service Reference: 674951001

Allocated for 06/23/23 to 06/30/23

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
Revenue Adj Mechanism	16.40kWh X \$0.00192	\$0.03
FMCC Delivery Chrg	16.40kWh X \$-0.01500	-\$0.25
Comb Public Benefit Chrg*	16.40kWh X \$0.00753	\$0.12

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Revenue Adj Mechanism	58.60kWh X \$0.00127	\$0.07
Comb Public Benefit Chrg*	58.60kWh X \$0.00750	\$0.44

(DISTRIBUTION RATE: 030)

Service Reference: 733951007

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
Revenue Adj Mechanism	8.30kWh X \$0.00192	\$0.02
FMCC Delivery Chrg	8.30kWh X \$-0.01500	-\$0.12
Comb Public Benefit Chrg*	8.30kWh X \$0.00753	\$0.06

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Revenue Adj Mechanism	29.70kWh X \$0.00127	\$0.04
Comb Public Benefit Chrg*	29.70kWh X \$0.00750	\$0.22

(DISTRIBUTION RATE: 030)



# EVERSOURCE

Account Number: 5122 131 0196

Customer name key: EAST

Statement Date: 07/25/23

Service Provided To:  
TOWN OF EAST HARTFORD

Total Amount Due  
by 08/22/23

**\$14,792.26**

Continued from previous page...

Service Reference: 761861001

Allocated for 06/23/23 to 06/30/23

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
Revenue Adj Mechanism	35.00kWh X \$0.00192	\$0.07
FMCC Delivery Chrg	35.00kWh X \$-0.01500	-\$0.53
Comb Public Benefit Chrg*	35.00kWh X \$0.00753	\$0.26

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Revenue Adj Mechanism	125.00kWh X \$0.00127	\$0.16
Comb Public Benefit Chrg*	125.00kWh X \$0.00750	\$0.94

(DISTRIBUTION RATE: 030)

Service Reference: 703061007

Allocated for 06/23/23 to 06/30/23

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
----------------------	---------------------	--------

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
----------------------	---------------------	---------

(DISTRIBUTION RATE: 030)

Service Reference: 807861006

Allocated for 06/23/23 to 06/30/23

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
Revenue Adj Mechanism	166.20kWh X \$0.00192	\$0.32
FMCC Delivery Chrg	166.20kWh X \$-0.01500	-\$2.49
Comb Public Benefit Chrg*	166.20kWh X \$0.00753	\$1.25

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Revenue Adj Mechanism	593.80kWh X \$0.00127	\$0.75
Comb Public Benefit Chrg*	593.80kWh X \$0.00750	\$4.45

(DISTRIBUTION RATE: 030)

Service Reference: 823951007

Allocated for 06/23/23 to 06/30/23

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
Revenue Adj Mechanism	7.60kWh X \$0.00192	\$0.01
FMCC Delivery Chrg	7.60kWh X \$-0.01500	-\$0.11
Comb Public Benefit Chrg*	7.60kWh X \$0.00753	\$0.06

Continued from previous page...

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
52	96	78	82	80

Svc Addr: 800 SILVER LN  
STE 238  
EAST HARTFORD CT 06118  
Serv Ref: 929851008 Bill Cycle: 17  
Service from 06/23/23 - 07/25/23 32 Days  
Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
891320922	80999	80666	333	Actual

Total Demand Use = 0.50 kW

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
40	193	282	325	333

Svc Addr: 800 SILVER LN  
STE 234  
EAST HARTFORD CT 06118  
Serv Ref: 943951000 Bill Cycle: 17  
Service from 06/23/23 - 07/25/23 32 Days  
Next read date on or about: Aug 24, 2023

Meter Number	Current Read	Previous Read	Current Usage	Reading Type
891320932	15902	15892	10	Actual

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
5	10	8	9	10



# EVERSOURCE

Account Number: 5122 131 0196

Customer name key: EAST

Statement Date: 07/25/23

Service Provided To:  
TOWN OF EAST HARTFORD

Total Amount Due  
by 08/22/23

\$14,792.26

Continued from previous page...

Continued from previous page...

## Contact Information

Emergency: 800-286-2000

www.eversource.com

Pay by Phone: 888-783-6618

Customer Service: 888-783-6617

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Revenue Adj Mechanism	27.40kWh X \$0.00127	\$0.03
Comb Public Benefit Chrg*	27.40kWh X \$0.00750	\$0.21

(DISTRIBUTION RATE: 030)

Service Reference: 843951000

Allocated for 06/23/23 to 06/30/23

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
Revenue Adj Mechanism	7.00kWh X \$0.00192	\$0.01
FMCC Delivery Chrg	7.00kWh X \$-0.01500	-\$0.11
Comb Public Benefit Chrg*	7.00kWh X \$0.00753	\$0.05

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Revenue Adj Mechanism	25.00kWh X \$0.00127	\$0.03
Comb Public Benefit Chrg*	25.00kWh X \$0.00750	\$0.19

(DISTRIBUTION RATE: 030)

Service Reference: 864951001

Allocated for 06/23/23 to 06/30/23

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
Revenue Adj Mechanism	17.50kWh X \$0.00192	\$0.03
FMCC Delivery Chrg	17.50kWh X \$-0.01500	-\$0.26
Comb Public Benefit Chrg*	17.50kWh X \$0.00753	\$0.13

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Revenue Adj Mechanism	62.50kWh X \$0.00127	\$0.08
Comb Public Benefit Chrg*	62.50kWh X \$0.00750	\$0.47

(DISTRIBUTION RATE: 030)

Service Reference: 929851008

Allocated for 06/23/23 to 06/30/23

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
Revenue Adj Mechanism	72.80kWh X \$0.00192	\$0.14
FMCC Delivery Chrg	72.80kWh X \$-0.01500	-\$1.09
Comb Public Benefit Chrg*	72.80kWh X \$0.00753	\$0.55

Allocated for 06/30/23 to 07/25/23

## Important Messages About Your Account

Because the billing period spans a change in the rates, your usage has been calculated partly on the old rate and partly on the new rate.



# EVERSOURCE

Account Number: 5122 131 0196

Customer name key: EAST

Statement Date: 07/25/23

Service Provided To:  
TOWN OF EAST HARTFORD

Total Amount Due  
By 08/22/23

**\$14,792.26**

Continued from previous page...

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Revenue Adj Mechanism	260.20kWh X \$0.00127	\$0.33
Comb Public Benefit Chrg*	260.20kWh X \$0.00750	\$1.95

(DISTRIBUTION RATE: 030)

Service Reference: 943951000

Allocated for 06/23/23 to 06/30/23

Distr Cust Srvc Chrg	\$44.0000 X 0.21880	\$9.63
FMCC Delivery Chrg	2.10kWh X \$-0.01500	-\$0.03
Comb Public Benefit Chrg*	2.10kWh X \$0.00753	\$0.02

Allocated for 06/30/23 to 07/25/23

Distr Cust Srvc Chrg	\$44.0000 X 0.78120	\$34.37
Revenue Adj Mechanism	7.90kWh X \$0.00127	\$0.01
Comb Public Benefit Chrg*	7.90kWh X \$0.00750	\$0.06
<hr/> Subtotal Delivery Services		\$2,854.30
<hr/> Total Cost of Electricity		<hr/> <b>\$7,112.10</b>

#### Other Charges or Credits

Late Payment Charge Jul 25	\$72.67	
6.35% CT Sales Tax after Exemption of \$1,725.35		
CT Sales Tax Supplier	\$245.44	
CT Sales Tax Delivery	\$96.63	
<hr/> Subtotal Other Charges or Credits		<hr/> <b>\$414.74</b>

<b>Total Current Charges</b>	<b>\$7,526.84</b>
------------------------------	-------------------

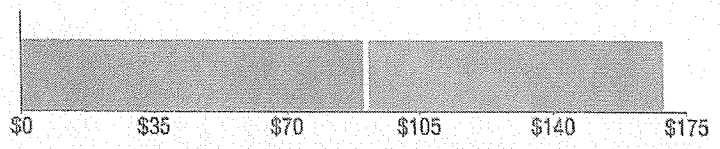
# EVERSOURCE

Account Number: 5106 180 0165  
Statement Date: 08/01/23  
Service Provided To:  
TOWN OF EAST HARTFORD

<b>Total Amount Due</b> by 08/29/23	<b>\$178.96</b>
Amount Due On 07/28/23	\$475.65
Last Payment Received On 07/28/23	-\$475.65
Balance Forward	\$0.00
Total Current Charges	\$178.96

## Current Charges for Electricity

<b>Supply</b> <b>\$90.27</b> Cost of electricity from Eversource	<b>Delivery</b> <b>\$77.99</b> Cost to deliver electricity from Eversource
--	--



Your electric supplier is  
Eversource  
PO Box 270  
Hartford, CT 06141-0270

**News For You**

We use more energy to keep cool in the summer which means your bill may be higher. Learn how to use less energy while staying cool at [eversource.com/energy-saving-tips](http://eversource.com/energy-saving-tips).

Remit Payment To: Eversource, PO Box 56002, Boston, MA 02205-6002

CE\_230801PROD.TXT:4311-000004456

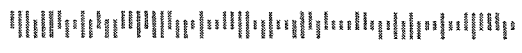
Please make your check payable to Eversource and consider adding \$1 for Operation Fuel. You can also add \$2 or \$3 when paying your bill online. 100% of your tax-deductible donation provides energy assistance grants. If mailing, please allow up to 5 business days to post.

# EVERSOURCE

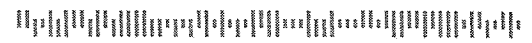
Account Number: 5106 180 0165  
Non-residential and residential non-hardship customers may be subject to a 1.00% late payment charge if the "Total Amount Due" is not received by 08/29/23.

<b>Total Amount Due</b> by 08/29/23	<b>\$178.96</b>
<b>Amount Enclosed</b>	<b>178.96</b>

002156 000004456



TOWN OF EAST HARTFORD  
740 MAIN ST  
EAST HARTFORD CT 06108-3140



Eversource  
PO Box 56002  
Boston, MA 02205-6002



# EVERSOURCE

Account Number: **5106 180 0165**

Customer name key: EAST

Statement Date: 08/01/23

Service Provided To:  
TOWN OF EAST HARTFORD

Svc Addr: MAIN ST  
EAST HARTFORD CT 06108  
Rate 115 Serv Ref: 099741008 Bill Cycle: 20  
Service From: 06/01/23 - 07/03/23 32 Days

Number of Devices	Unmetered Usage
0001	207 kWh

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
207	207	207	207	207

Svc Addr: MAIN ST  
EAST HARTFORD CT 06108  
Rate 115 Serv Ref: 099741008 Bill Cycle: 20  
Service From: 07/03/23 - 08/01/23 29 Days

Number of Devices	Unmetered Usage
0001	207 kWh

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
207	207	207	207	207

Total Amount Due  
by 08/29/23

**\$178.96**

### Electric Account Summary

Amount Due On 07/28/23	\$475.65
Last Payment Received On 07/28/23	-\$475.65
Balance Forward	\$0.00
Current Charges/Credits	
Electric Supply Services	\$90.27
Delivery Services	\$77.99
Other Charges or Credits	\$10.70
Total Current Charges	\$178.96
<b>Total Amount Due</b>	<b>\$178.96</b>

### Total Charges for Electricity

#### Supplier

Eversource

Service Reference: 099741008

Generation Svc Chrg***	207.00kWh X \$0.14264	\$29.53
Allocated for 06/01/23 to 06/30/23		
Generation Svc Chrg***	187.60kWh X \$0.23031	\$43.21
Allocated for 06/30/23 to 07/03/23		
Generation Svc Chrg***	19.40kWh X \$0.14264	\$2.77

Service Reference: 297704009

Generation Svc Chrg***	13.60kWh X \$0.14242	\$1.94
Allocated for 06/01/23 to 06/30/23		
Generation Svc Chrg***	11.50kWh X \$0.25453	\$2.93
Allocated for 06/30/23 to 07/03/23		
Generation Svc Chrg***	1.20kWh X \$0.14242	\$0.17

Service Reference: 707804003

Allocated for 06/01/23 to 06/30/23		
Generation Svc Chrg***	8.10kWh X \$0.25453	\$2.06
Allocated for 06/30/23 to 07/03/23		
Generation Svc Chrg***	0.80kWh X \$0.14242	\$0.11

CE\_230801PROD.TXT-4312-000004456

\*The Combined Public Benefits Charge represents a combination of three charges formerly known as: Conservation and Load Mgmt Charge, Renewable Energy Investment Charge, and Systems Benefits Charge. This charge also includes the Conservation Adjustment Mechanism approved by the Public Utilities Regulatory Authority in Docket No. 13-11-14.

\*\*Effective January 1, 2007, the Generation Services Charge (GSC) and the Bypassable Federally Mandated Congestion Charge (BFMCC) have been combined into the "GSC Charge" listed in the Supplier Services section of your bill. The GSC reflects all of the cost of procuring energy from Eversource wholesale suppliers. The BFMCC portion of this line item is -\$0.0017 / kWh. If you multiply this BFMCC rate by the number of kWhs on your bill, you can calculate the dollar amount associated with the BFMCC.

\*\*\*Electric System Improvements: Recovers company investments that protect, strengthen or modernize the electric grid.

# EVERSOURCE

Account Number: 5106 180 0165

Customer name key: EAST

Statement Date: 08/01/23

Service Provided To:  
TOWN OF EAST HARTFORD

Total Amount Due  
by 08/23/23

**\$178.96**

Continued from previous page...

Continued from previous page...

Svc Addr: 800 SILVER LN  
EAST HARTFORD CT 06118  
Rate 116 Serv Ref: 297704009 Bill Cycle: 20  
Service From: 06/01/23 - 07/03/23 32 Days  
4800 LED

Number of Devices	Unmetered Usage
0001	13 kWh

Cust provided ID: ST LTS

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
18	16	14	13	14

Svc Addr: 800 SILVER LN  
EAST HARTFORD CT 06118  
Rate 116 Serv Ref: 297704009 Bill Cycle: 20  
Service From: 07/03/23 - 08/01/23 29 Days  
4800 LED

Number of Devices	Unmetered Usage
0001	13 kWh

Cust provided ID: ST LTS

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
18	16	14	13	14

Svc Addr: 800 SILVER LN  
EAST HARTFORD CT 06118  
Rate 116 Serv Ref: 707804003 Bill Cycle: 20  
Service From: 06/01/23 - 07/03/23 32 Days  
4100 LED

Number of Devices	Unmetered Usage
0001	9 kWh

Cust provided ID: ST LTS

Service Reference: 742134003

Generation Srvc Chrg***	53.00kWh X \$0.14242	\$7.55
Subtotal Supplier Services		\$90.27

**Delivery**

(DISTRIBUTION RATE: 115)

Service Reference: 099741008

Allocated for 06/01/23 to 06/30/23

Transmission Chrg	187.60kWh X \$0.02364	\$4.43
Distribution		\$10.88
Revenue Adj Mechanism	187.60kWh X \$0.00192	\$0.36
CTA Chrg per kWh	187.60kWh X \$-0.00037	-\$0.07
FMCC Delivery Chrg	187.60kWh X \$-0.01075	-\$2.02
Comb Public Benefit Chrg*	187.60kWh X \$0.00753	\$1.41
Electric Sys Improvements***	187.60kWh X \$0.00515	\$0.97

Allocated for 06/30/23 to 07/03/23

Transmission Chrg	19.40kWh X \$0.02641	\$0.51
Distribution		\$1.12
Revenue Adj Mechanism	19.40kWh X \$0.00127	\$0.02
CTA Chrg per kWh	19.40kWh X \$-0.00046	-\$0.01
Comb Public Benefit Chrg*	19.40kWh X \$0.00750	\$0.15
Electric Sys Improvements***	19.40kWh X \$0.00629	\$0.12

Transmission Chrg	207.00kWh X \$0.02641	\$5.47
Distribution		\$12.01
Revenue Adj Mechanism	207.00kWh X \$0.00127	\$0.26
CTA Chrg per kWh	207.00kWh X \$-0.00046	-\$0.10
Comb Public Benefit Chrg*	207.00kWh X \$0.00750	\$1.55
Electric Sys Improvements***	207.00kWh X \$0.00629	\$1.30

(DISTRIBUTION RATE: 116)

Service Reference: 297704009

Allocated for 06/01/23 to 06/30/23

Transmission Chrg	11.50kWh X \$0.02220	\$0.26
Distribution		\$6.83
Revenue Adj Mechanism	11.50kWh X \$0.00192	\$0.02
FMCC Delivery Chrg	11.50kWh X \$-0.01010	-\$0.12
Comb Public Benefit Chrg*	11.50kWh X \$0.00760	\$0.09
Electric Sys Improvements***	11.50kWh X \$0.01784	\$0.21

Allocated for 06/30/23 to 07/03/23



# EVERSOURCE

Account Number: 5106 180 0165  
 Customer name key: EAST  
 Statement Date: 08/01/23  
 Service Provided To:  
 TOWN OF EAST HARTFORD

Total Amount Due  
 by 08/29/23

**\$178.96**

Continued from previous page...

Monthly kWh Use				
Mar	Apr	May	Jun	Jul
13	11	10	9	10

Svc Addr: 850 SILVER LN  
 EAST HARTFORD CT 06118  
 Rate 116 Serv Ref: 742134003 Bill Cycle: 17  
 Service From: 06/30/23 - 08/01/23 32 Days  
 23067 LED FLOODLIGHT

Number of Devices	Unmetered Usage
0001	53 kWh

Monthly kWh Use		
May	Jun	Jul
55	49	53

Continued from previous page...

Transmission Chrg	1.20kWh X \$0.02481	\$0.03
Distribution		\$0.71
Comb Public Benefit Chrg*	1.20kWh X \$0.00757	\$0.01
Electric Sys Improvements***	1.20kWh X \$0.02179	\$0.03
Transmission Chrg	13.60kWh X \$0.02481	\$0.34
Distribution		\$7.54
Revenue Adj Mechanism	13.60kWh X \$0.00127	\$0.02
CTA Chrg per kWh	13.60kWh X \$-0.00046	-\$0.01
Comb Public Benefit Chrg*	13.60kWh X \$0.00757	\$0.10
Electric Sys Improvements***	13.60kWh X \$0.02179	\$0.30

(DISTRIBUTION RATE: 116)  
 Service Reference: 707804003

Allocated for 06/01/23 to 06/30/23

Transmission Chrg	8.10kWh X \$0.02220	\$0.18
Distribution		\$6.69
Revenue Adj Mechanism	8.10kWh X \$0.00192	\$0.02
FMCC Delivery Chrg	8.10kWh X \$-0.01010	-\$0.08
Comb Public Benefit Chrg*	8.10kWh X \$0.00760	\$0.06
Electric Sys Improvements***	8.10kWh X \$0.01784	\$0.14

Allocated for 06/30/23 to 07/03/23

Transmission Chrg	0.80kWh X \$0.02481	\$0.02
Distribution		\$0.69
Comb Public Benefit Chrg*	0.80kWh X \$0.00757	\$0.01
Electric Sys Improvements***	0.80kWh X \$0.02179	\$0.02

(DISTRIBUTION RATE: 116)  
 Service Reference: 742134003

Transmission Chrg	53.00kWh X \$0.02481	\$1.31
Distribution		\$12.61
Revenue Adj Mechanism	53.00kWh X \$0.00127	\$0.07
CTA Chrg per kWh	53.00kWh X \$-0.00046	-\$0.02
Comb Public Benefit Chrg*	53.00kWh X \$0.00757	\$0.40
Electric Sys Improvements***	53.00kWh X \$0.02179	\$1.15
Subtotal Delivery Services		\$77.99
<b>Total Cost of Electricity</b>		<b>\$168.26</b>

Other Charges or Credits

CT Sales Tax Supplier	\$5.74
CT Sales Tax Delivery	\$4.96
<b>Subtotal Other Charges or Credits</b>	<b>\$10.70</b>

## Contact Information

Emergency: 800-286-2000  
 www.eversource.com  
 Pay by Phone: 888-783-6618  
 Customer Service: 888-783-6617

## Important Messages About Your Account

Because the billing period spans a change in the rates, your usage has been calculated partly on the old rate and partly on the new rate.

# EVERSOURCE

Account Number: 5106 180 0165

Customer name key: EAST

Statement Date: 08/01/23

Service Provided To:  
TOWN OF EAST HARTFORD

Total Amount Due  
by 08/29/23 **\$178.96**

Continued from previous page...

Total Current Charges **\$178.96**







## PURCHASE ORDER PAYMENT REQUEST

Department Name: FINANCE P.O. Number: 2024-0860

Payment is:  
 Partial  **X** Final

Vendor: MDC Vendor Number: 122850 R2

Budget Account Number: S4427-65254 Payment Amount: **\$2,342.49**

List Here the Invoice Number(s) for this payment:

(w)

Invoice Number	Invoice Date	Amount of Invoice	Service Location	Account Number	Meter Number
630000699057	8/2/2023	\$1,058.24	800 Silver Lane	21133325	44182794
630000699055	8/2/2023	\$489.28	820 Silver Lane	21133323	35762286
630000699056	8/2/2023	\$118.06	830 Silver Lane	21133324	61215989
630000699058	8/2/2023	\$676.91	836 Silver Lane	21133326	50004400

If this payment is final and will exceed the balance on the purchase order, please provide an explanation below.

8/16/2023  
Date

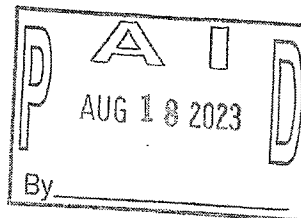
C O'Reilly  
Approved By (Authorized Signature)

FOR FINANCE DEPARTMENT USE ONLY

Added to worksheet 14



Inv# 6300006990570 & LIST \$2342.49  
 METROPOLITAN DISTRICT ATTN: TREASURY DEP  
 08/02/2023 # Pages 14 FP14 DOC38S829  
 PO# 20240860



ST

**Billing Summary**

**Billing Period**

06/29/2023 - 07/27/2023 (29 Days)

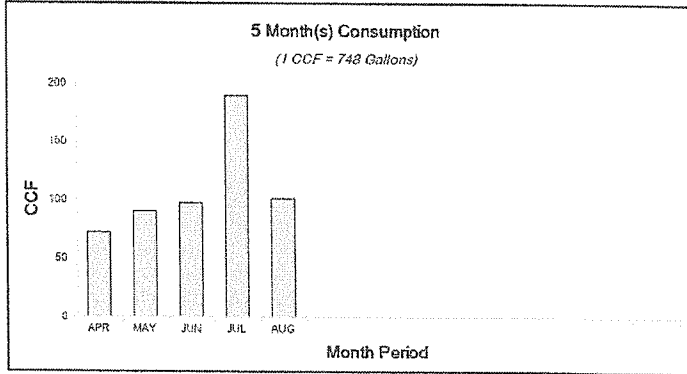
Previous Balance	\$1,766.64
Payments Received	-\$1,766.64
<b>Remaining Balance</b>	<b>\$0.00</b>
Service Charges	\$1,033.24
Other Charges & Adjustments	\$25.00
<b>Total Current Charges</b>	<b>\$1,058.24</b>

**TOTAL AMOUNT DUE \$1,058.24**

Due Date: 08/28/2023 **\$1,058.24**  
 Total Amount Due

1% INTEREST ADDED IF NOT PAID BY DUE DATE.

**Usage Summary (CCF)**



**CUSTOMER INFORMATION**

Protect Your Home: Sewer Backup Prevention  
 Backwater Valve Program

The MDC offers a variety of programs, including the Backwater Valve Program (BWVP), to assist MDC sewer customers in the prevention of sewer backups into their homes. By protecting basement fixtures and eliminating excess storm and ground water from entering the sanitary sewer system, surcharges (backups) are greatly reduced.

Learn more about the BWVP and other initiatives to protect your home by visiting our website at [www.themdc.org/utility-services](http://www.themdc.org/utility-services) or by contacting our Utility Services Department at (860) 278-7850 ext. 3123.



Keep this portion for your records. Go Paperless. Pay online at [www.themdc.org](http://www.themdc.org).  
 Please return this portion with your payment. Make check payable to The Metropolitan District or MDC.

MP230803.csv-521-00000006



Check box for address change and enter new address on the back.

Amount Due By 08/28/2023	\$1,058.24
Total Amount Enclosed	\$1,058.24

000261 000000006  
  
 TOWN OF EAST HARTFORD  
 740 MAIN ST  
 EAST HARTFORD CT 06108-3140

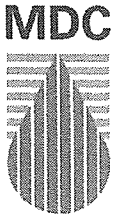


2

**SEND PAYMENT TO:**

The Metropolitan District  
 P.O. Box 990092  
 Hartford, CT 06199-0092

00000001058240828202300110604097000021133325763000069905741



# The Metropolitan District

water supply • environmental services • geographic information

60 MURPHY ROAD  
HARTFORD CT 06114  
Tel. 860 278-7850  
[www.themdc.org](http://www.themdc.org)

THE APPLICABLE RATES, ORDINANCES, TERMS AND CONDITIONS UNDER WHICH SERVICE IS FURNISHED ARE ON FILE AT THE METROPOLITAN DISTRICT OFFICE. COPIES MAY BE OBTAINED UPON REQUEST.

LAS TARIFAS APLICABLES, ORDENANZAS, TÉRMINOS Y CONDICIONES BAJO LAS CUALES SE OFRECEN LOS SERVICIOS ESTAN ARCHIVADOS EN LA OFICINA DE DISTRITO METROPOLITANA. SE PUEDEN OBTENER COPIAS A SOLICITUD.

### IMPORTANT NOTICE OF CUSTOMER RIGHTS:

Any customer who has questions or disputes any part of this water bill should visit [www.themdc.org](http://www.themdc.org) or contact MDC Customer Service by calling 860-278-7850.

Any customer that receives a termination notice and disputes the validity of billing charges may request the MDC Review Officer to review his/her account. Such a request must be made within 13 days of the mailing of a termination notice and in writing to 555 Main Street, ATTN: Review Officer, Hartford, CT 06103 or sent via E-mail to: [Reviewofficer@themdc.com](mailto:Reviewofficer@themdc.com). The Review Officer will respond in writing to the customer within 10 days after receipt of the customer's complaint.

### RIGHT TO RESIDENTIAL UTILITY DURING SERIOUS ILLNESS:

Residential utility service to the home of any customer may not be terminated during such time as any resident of the home is seriously ill, provided such serious illness is certified in writing by a licensed physician to the MDC within 13 days of the mailing of the termination notice. A customer must provide a **Physician's Certification of Serious Illness Form** which can be obtained from MDC Customer Service or at [www.themdc.org](http://www.themdc.org). A registered physician's certification of serious illness shall be sufficient if initially made by telephone provided the physician forwards a completed certification form to the MDC within 7 calendar days from the date of the telephone call. If the doctor does not specify the length of the illness, a renewal of this certification will be required every 15 days thereafter. After certification of a serious illness, the customer is still required to enter into a reasonable installment plan for any overdue balance and pay all current charges for water use. Proof of residency may be required.

The MDC reserves the right to contest the validity of any serious illness certification received.

### AVISO IMPORTANTE SOBRE DERECHOS DEL CLIENTE:

Cualquier cliente que tenga preguntas o dispute cualquier parte de su factura de agua deberá visitar [www.themdc.org](http://www.themdc.org) o comunicarse con Servicio al Cliente de MDC llamando al 860-278-7850.

Cualquier cliente que reciba un aviso de terminación y dispute la validez de los cargos de facturación puede solicitarle al Oficial de Revisión de MDC que revise su cuenta. Tal solicitud debe hacerse dentro de 13 días del envío por correo postal del aviso de terminación a 555 Main Street, ATN: Oficial de Revisión, Hartford, CT 06103 o envíe por correo electrónico [Reviewofficer@themdc.com](mailto:Reviewofficer@themdc.com). El Oficial de Revisión responderá por escrito dentro de los 10 días de recibida la queja del cliente.

### DERECHO A SERVICIO RESIDENCIAL DURANTE UNA ENFERMEDAD GRAVE:

No podrá suspenderse el servicio residencial al hogar de ningún cliente durante el tiempo en que el residente de ese hogar esté gravemente enfermo siempre que dicha enfermedad grave esté certificada por escrito, por un médico con licencia y sea enviada a MDC dentro de los 13 días del envío por correo postal del aviso de terminación. El cliente deberá proveer el **Formulario de Certificación Médica de Enfermedad Grave** el cual se puede obtener por medio de Servicio al Cliente de MDC o en [www.themdc.org](http://www.themdc.org). La certificación de enfermedad grave de un médico registrado deberá ser suficiente si se realiza inicialmente por teléfono, siempre que el médico en el formulario de certificación llenado a MDC dentro de los 7 días calendario desde la fecha de la llamada telefónica. Si el médico no especifica la duración de la enfermedad, se requerirá una renovación de esta certificación cada 15 días a partir de entonces. Luego de la certificación de enfermedad grave, el cliente debe de todos modos entrar en un plan de pagos razonable por cualquier saldo adeudado y pagar los cargos regulares por el uso del agua. Por requerirse prueba de residencia.

MDC se reserva el derecho de disputar la validez de cualquier certificación de enfermedad grave que reciba.

### Updated Customer Information

Mailing Address (please print clearly)

Name \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_

State/Province \_\_\_\_\_

Zip/Postal Code \_\_\_\_\_

Telephone (\_\_\_\_\_) \_\_\_\_\_

Cell Number (\_\_\_\_\_) \_\_\_\_\_

Email Address \_\_\_\_\_

- If this is a catch-up bill due to an actual reading after a series of estimates, you may be eligible to extend the payments over additional time. Please call us at 860-278-7850.
- If bill is not paid by Due Date, 1% interest (monthly) will be added to outstanding amount due.
- All payments received by the MDC will be applied to the oldest unpaid invoice on the account before any pending current charges.

### 24 HOUR DROP BOX PAYMENT LOCATIONS:

60 Murphy Road, Hartford  
555 Main Street, Hartford

### SEND PAYMENT TO:

The Metropolitan District  
P.O. Box 990092  
Hartford, CT 06199-0092



SCAN to Access MDC's Online Bill Payment Options

[www.themdc.org](http://www.themdc.org)



[www.facebook.com/themetropolitandistrict](http://www.facebook.com/themetropolitandistrict)



# The Metropolitan District

water supply • environmental services • geographic information  
60 MURPHY ROAD  
HARTFORD CT 06114  
Tel. 860 278-7850  
[www.themdc.org](http://www.themdc.org)

**Account No.:** 21133325 **Page:** 3 of 3  
**Invoice No.:** 630000699057 **Invoice Date:** 08/02/2023  
**Customer Name:** TOWN OF EAST HARTFORD  
**Service Address:** 800 SILVER LA  
EAST HARTFORD CT 06118

### \*The Clean Water Project (CWP) Charge:

The Federal Environmental Protection Agency (EPA) and CT State Department of Energy and Environmental Protection (DEEP) mandated Clean Water Project (CWP) Charge is applied for the repayment of the CWP costs and is calculated based on water consumption for customers who receive both water and sewer services. The CWP is a sewer infrastructure improvement project. Learn more, visit [www.themdc.org/the-clean-water-project](http://www.themdc.org/the-clean-water-project).

Due Date: 08/28/2023 **\$1,058.24**  
Total Amount Due

For an explanation of charges or to pay your bill online, please go to [www.themdc.org/customers/billing-services](http://www.themdc.org/customers/billing-services)

## Current Charges

Service Charges	\$1,033.24
<b>Water Service</b>	<b>\$460.84</b>
2023 Water Used Charge @ \$3.80 x 100.80 CCF (MDC Water rate for 2023 is \$0.0051 per US-Gallon)	\$383.04
2023 Water Customer Service Charge - 2"	\$77.80
<b>Sewer Service</b>	<b>\$9.00</b>
2023 Sewer Customer Service Charge	\$9.00
<b>Fire Service</b>	<b>\$135.00</b>
2023 Private Fire Prot Charge - 6 Inch x 1	\$135.00
<b>Federal / State Regulatory Compliance Fees</b>	<b>\$428.40</b>
2023 DEEP/EPA CWP Charge* @ \$4.25 x 100.80 CCF	\$428.40

## Meter Readings

Reading Date (07/27/2023)	
Meter Number	44182794
Meter Size	2"
Current Meter Reading	10,223.80
Previous Meter Reading	10,123.00
Water Usage (CCF)	100.80
Type of Meter Reading	Actual Reading

Other Charges & Adjustments	\$25.00
2023 FOG - Fee @ \$12.50 x 1	\$12.50
2023 X-Connect Insp-Fees @ \$12.50 x 1	\$12.50

**TOTAL CURRENT CHARGES \$1,058.24**



## Billing Summary

**Billing Period**

06/29/2023 - 07/27/2023 (29 Days)

Previous Balance	\$516.65
Payments Received	-\$516.65
<b>Remaining Balance</b>	<b>\$0.00</b>
Service Charges	\$486.78
Other Charges & Adjustments	\$2.50
<b>Total Current Charges</b>	<b>\$489.28</b>

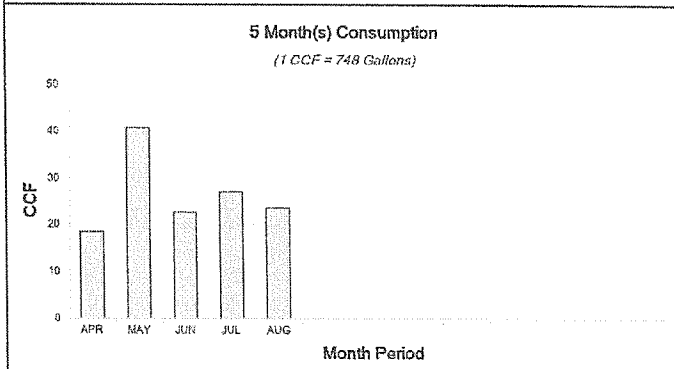
**TOTAL AMOUNT DUE \$489.28**

Due Date: 08/28/2023

**\$489.28**  
 Total Amount Due

1% INTEREST ADDED IF NOT PAID BY DUE DATE.

## Usage Summary (CCF)



**CUSTOMER INFORMATION**

Protect Your Home: Sewer Backup Prevention  
 Backwater Valve Program

The MDC offers a variety of programs, including the Backwater Valve Program (BWVP), to assist MDC sewer customers in the prevention of sewer backups into their homes. By protecting basement fixtures and eliminating excess storm and ground water from entering the sanitary sewer system, surcharges (backups) are greatly reduced.

Learn more about the BWVP and other initiatives to protect your home by visiting our website at [www.themdc.org/utility-services](http://www.themdc.org/utility-services) or by contacting our Utility Services Department at (860) 278-7850 ext. 3123.



RECEIVED  
 8/11/23  
 FINANCE DEPT.  
 TOWN OF EAST HARTFORD

Keep this portion for your records. Go Paperless. Pay online at [www.themdc.org](http://www.themdc.org).

Please return this portion with your payment. Make check payable to The Metropolitan District or MDC.

MP230003.csv-513-00000006



Check box for address change and enter new address on the back.

Amount Due By 08/28/2023	\$489.28
Total Amount Enclosed	\$489.28

000257 000000006

TOWN OF EAST HARTFORD  
 740 MAIN ST  
 EAST HARTFORD CT 06108-3140



**SEND PAYMENT TO:**

The Metropolitan District  
 P.O. Box 990092  
 Hartford, CT 06199-0092

00000000489280828202300110604097000021133323263000069905581



# The Metropolitan District

water supply • environmental services • geographic information

60 MURPHY ROAD  
HARTFORD CT 06114  
Tel. 860 278-7850  
[www.themdc.org](http://www.themdc.org)

THE APPLICABLE RATES, ORDINANCES, TERMS AND CONDITIONS UNDER WHICH SERVICE IS FURNISHED ARE ON FILE AT THE METROPOLITAN DISTRICT OFFICE. COPIES MAY BE OBTAINED UPON REQUEST.

LAS TARIFAS APLICABLES, ORDENANZAS, TÉRMINOS Y CONDICIONES BAJO LAS CUALES SE OFRECEN LOS SERVICIOS ESTAN ARCHIVADOS EN LA OFICINA DE DISTRITO METROPOLITANA. SE PUEDEN OBTENER COPIAS A SOLICITUD.

### IMPORTANT NOTICE OF CUSTOMER RIGHTS:

Any customer who has questions or disputes any part of this water bill should visit [www.themdc.org](http://www.themdc.org) or contact MDC Customer Service by calling 860-278-7850.

Any customer that receives a termination notice and disputes the validity of billing charges may request the MDC Review Officer to review his/her account. Such a request must be made within 13 days of the mailing of a termination notice and in writing to 555 Main Street, ATTN: Review Officer, Hartford, CT 06103 or sent via E-mail to: [Reviewofficer@themdc.com](mailto:Reviewofficer@themdc.com). The Review Officer will respond in writing to the customer within 10 days after receipt of the customer's complaint.

### RIGHT TO RESIDENTIAL UTILITY DURING SERIOUS ILLNESS:

Residential utility service to the home of any customer may not be terminated during such time as any resident of the home is seriously ill, provided such serious illness is certified in writing by a licensed physician to the MDC within 13 days of the mailing of the termination notice. A customer must provide a **Physician's Certification of Serious Illness Form** which can be obtained from MDC Customer Service or at [www.themdc.org](http://www.themdc.org). A registered physician's certification of serious illness shall be sufficient if initially made by telephone provided the physician forwards a completed certification form to the MDC within 7 calendar days from the date of the telephone call. If the doctor does not specify the length of the illness, a renewal of this certification will be required every 15 days thereafter. After certification of a serious illness, the customer is still required to enter into a reasonable installment plan for any overdue balance and pay all current charges for water use. Proof of residency may be required.

The MDC reserves the right to contest the validity of any serious illness certification received.

### AVISO IMPORTANTE SOBRE DERECHOS DEL CLIENTE:

Cualquier cliente que tenga preguntas o dispute cualquier parte de e factura de agua deberá visitar [www.themdc.org](http://www.themdc.org) o comunicarse con Servicio Cliente de MDC llamando al 860-278-7850.

Cualquier cliente que reciba un aviso de terminación y dispute la validez de cargos de facturación puede solicitarle al Oficial de Revisión de MDC q revise su cuenta. Tal solicitud debe hacerse dentro de 13 días del envío p correo postal del aviso de terminación a 555 Main Street, ATN: Oficial Revisión, Hartford, CT 06103 o envíe por correo electrónico [Reviewofficer@themdc.com](mailto:Reviewofficer@themdc.com). El Oficial de Revisión responderá por escr dentro de los 10 días de recibida la queja del cliente.

### DERECHO A SERVICIO RESIDENCIAL DURANTE UNA ENFERMEDAD GRAV

No podrá suspenderse el servicio residencial al hogar de ningún clien durante el tiempo en que el residente de ese hogar esté gravemente enferm siempre que dicha enfermedad grave esté certificada por escrito, por médico con licencia y sea enviada a MDC dentro de los 13 días del envío p correo postal del aviso de terminación. El cliente debera proveer **Formulario de Certificación Médica de Enfermedad Grave** el cual se pue obtener por medio de Servicio al Cliente de MDC o en [www.themdc.org](http://www.themdc.org). U certificación de enfermedad grave de un médico registrado deberá suficiente si se realiza inicialmente por teléfono, siempre que el médico en el formulario de certificación llenado a MDC dentro de los 7 días calendario la fecha de la llamada telefónica. Si el médico no especifica la duración de enfermedad, se requerirá una renovación de esta certificación cada 15 día partir de entonces. Luego de la certificación de enfermedad grave, el clie debe de todos modos entrar en un plan de pagos razonable por cualq saldo adeudado y pagar los cargos regulares por el uso del agua. Por requerirse prueba de residencia.

MDC se reserva el derecho de disputar la validez de cualquier certificación enfermedad grave que reciba.

## Updated Customer Information

### Mailing Address (please print clearly)

Name \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_

State/Province \_\_\_\_\_

Zip/Postal Code \_\_\_\_\_

Telephone (\_\_\_\_\_) \_\_\_\_\_

Cell Number (\_\_\_\_\_) \_\_\_\_\_

Email Address \_\_\_\_\_

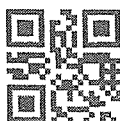
- If this is a catch-up bill due to an actual reading after a series of estimates, you may be eligible to extend the payments over additional time. Please call us at 860-278-7850.
- If bill is not paid by Due Date, 1% interest (monthly) will be added to outstanding amount due.
- All payments received by the MDC will be applied to the oldest unpaid invoice on the account before any pending current charges.

### 24 HOUR DROP BOX PAYMENT LOCATIONS:

60 Murphy Road, Hartford  
555 Main Street, Hartford

### SEND PAYMENT TO:

The Metropolitan District  
P.O. Box 990092  
Hartford, CT 06199-0092

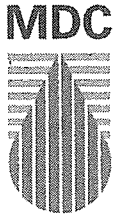


SCAN to Access MDC's Online Bill Payment Options

[www.themdc.org](http://www.themdc.org)



[www.facebook.com/themetropolitandistrict](http://www.facebook.com/themetropolitandistrict)



# The Metropolitan District

water supply • environmental services • geographic information  
60 MURPHY ROAD  
HARTFORD CT 06114  
Tel. 860 278-7850  
[www.themdc.org](http://www.themdc.org)

**Account No.:** 21133323      **Page:** 3 of 3  
**Invoice No.:** 630000699055      **Invoice Date:** 08/02/2023  
**Customer Name:** TOWN OF EAST HARTFORD  
**Service Address:** 820 SILVER LN  
EAST HARTFORD CT 06118

### \*The Clean Water Project (CWP) Charge:

The Federal Environmental Protection Agency (EPA) and CT State Department of Energy and Environmental Protection (DEEP) mandated Clean Water Project (CWP) Charge is applied for the repayment of the CWP costs and is calculated based on water consumption for customers who receive both water and sewer services. The CWP is a sewer infrastructure improvement project. Learn more, visit [www.themdc.org/the-clean-water-project](http://www.themdc.org/the-clean-water-project).

Due Date: 08/28/2023

**\$489.28**

Total Amount Due

For an explanation of charges or to pay your bill online, please go to [www.themdc.org/customers/billing-services](http://www.themdc.org/customers/billing-services)

## Current Charges

Service Charges	\$486.78
<b>Water Service</b>	<b>\$137.90</b>
2023 Water Used Charge @ \$3.80 x 23.50 CCF (MDC Water rate for 2023 is \$0.0051 per US-Gallon)	\$89.30
2023 Water Customer Service Charge - 1-1/2"	\$48.60
<b>Sewer Service</b>	<b>\$9.00</b>
2023 Sewer Customer Service Charge	\$9.00
<b>Fire Service</b>	<b>\$240.00</b>
2023 Private Fire Prot Charge - 8 Inch x 1	\$240.00
<b>Federal / State Regulatory Compliance Fees</b>	<b>\$99.88</b>
2023 DEEP/EPA CWP Charge* @ \$4.25 x 23.50 CCF	\$99.88

Other Charges & Adjustments	\$2.50
2023 X-Connect Insp-Fees @ \$2.50 x 1	\$2.50

**TOTAL CURRENT CHARGES \$489.28**

## Meter Readings

### Reading Date (07/27/2023)

Meter Number	35762286
Meter Size	1-1/2"
Current Meter Reading	2,442.50
Previous Meter Reading	2,419.00
Water Usage (CCF)	23.50
Type of Meter Reading	Actual Reading



**MDC The Metropolitan District**  
 water supply • environmental services • geographic information  
 60 MURPHY ROAD  
 HARTFORD CT 06114  
 Tel. 860 278-7850  
 www.themdc.org

**Account No.:** 21133324 **Page:** 1 of 3  
**Invoice No.:** 630000699056 **Invoice Date:** 08/02/2023  
**Customer Name:** TOWN OF EAST HARTFORD  
**Service Address:** 830 SILVER LN  
 EAST HARTFORD CT 06118

**Billing Summary**

**Billing Period**  
 06/29/2023 - 07/27/2023 (29 Days)

Previous Balance \$130.14  
 Payments Received -\$130.14  
**Remaining Balance \$0.00**

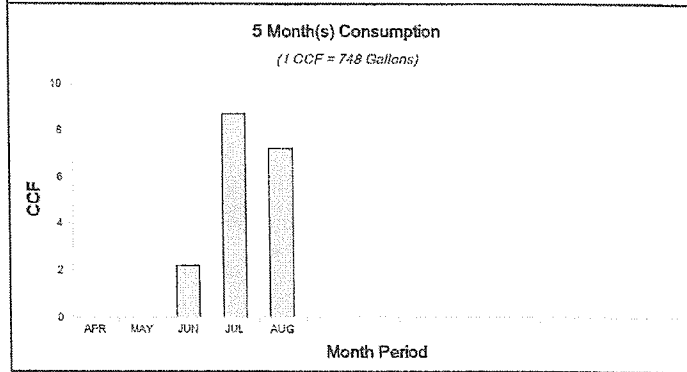
Service Charges \$115.56  
 Other Charges & Adjustments \$2.50  
**Total Current Charges \$118.06**

**TOTAL AMOUNT DUE \$118.06**

Due Date: 08/28/2023 **\$118.06**  
 Total Amount Due

1% INTEREST ADDED IF NOT PAID BY DUE DATE.

**Usage Summary (CCF)**



**CUSTOMER INFORMATION**

Protect Your Home: Sewer Backup Prevention  
 Backwater Valve Program

The MDC offers a variety of programs, including the Backwater Valve Program (BWVP), to assist MDC sewer customers in the prevention of sewer backups into their homes. By protecting basement fixtures and eliminating excess storm and ground water from entering the sanitary sewer system, surcharges (backups) are greatly reduced.

Learn more about the BWVP and other initiatives to protect your home by visiting our website at [www.themdc.org/utility-services](http://www.themdc.org/utility-services) or by contacting our Utility Services Department at (860) 278-7850 ext. 3123.



Keep this portion for your records. Go Paperless. Pay online at [www.themdc.org](http://www.themdc.org).

Please return this portion with your payment. Make check payable to The Metropolitan District or MDC.

MP230803.csv-517-000000906

**MDC The Metropolitan District**  
 water supply • environmental services • geographic information  
 60 MURPHY ROAD  
 HARTFORD CT 06114  
 Tel. 860 278-7850  
 www.themdc.org

**Invoice No.:** 630000699056  
**Service Address:** 830 SILVER LN  
 EAST HARTFORD CT 06118

**Invoice Date:** 08/02/2023  
**Account No.:** 21133324



Check box for address change and enter new address on the back.

Amount Due By 08/28/2023	\$118.06
Total Amount Enclosed	\$ 118.06

000259 000000006

TOWN OF EAST HARTFORD  
 740 MAIN ST  
 EAST HARTFORD CT 06108-3140



**SEND PAYMENT TO:**

The Metropolitan District  
 P.O. Box 990092  
 Hartford, CT 06199-0092

00000000118060828202300110604097000021133324063000069905661





# The Metropolitan District

water supply • environmental services • geographic information

60 MURPHY ROAD  
HARTFORD CT 06114  
Tel. 860-278-7850  
[www.themdc.org](http://www.themdc.org)

THE APPLICABLE RATES, ORDINANCES, TERMS AND CONDITIONS UNDER WHICH SERVICE IS FURNISHED ARE ON FILE AT THE METROPOLITAN DISTRICT OFFICE. COPIES MAY BE OBTAINED UPON REQUEST.

LAS TARIFAS APLICABLES, ORDENANZAS, TÉRMINOS Y CONDICIONES BAJO LAS CUALES SE OFRECEN LOS SERVICIOS ESTAN ARCHIVADOS EN LA OFICINA DE DISTRITO METROPOLITANA. SE PUEDEN OBTENER COPIAS A SOLICITUD.

### IMPORTANT NOTICE OF CUSTOMER RIGHTS:

Any customer who has questions or disputes any part of this water bill should visit [www.themdc.org](http://www.themdc.org) or contact MDC Customer Service by calling 860-278-7850.

Any customer that receives a termination notice and disputes the validity of billing charges may request the MDC Review Officer to review his/her account. Such a request must be made within 13 days of the mailing of a termination notice and in writing to 555 Main Street, ATTN: Review Officer, Hartford, CT 06103 or sent via E-mail to: [Reviewofficer@themdc.com](mailto:Reviewofficer@themdc.com). The Review Officer will respond in writing to the customer within 10 days after receipt of the customer's complaint.

### RIGHT TO RESIDENTIAL UTILITY DURING SERIOUS ILLNESS:

Residential utility service to the home of any customer may not be terminated during such time as any resident of the home is seriously ill, provided such serious illness is certified in writing by a licensed physician to the MDC within 13 days of the mailing of the termination notice. A customer must provide a **Physician's Certification of Serious Illness Form** which can be obtained from MDC Customer Service or at [www.themdc.org](http://www.themdc.org). A registered physician's certification of serious illness shall be sufficient if initially made by telephone provided the physician forwards a completed certification form to the MDC within 7 calendar days from the date of the telephone call. If the doctor does not specify the length of the illness, a renewal of this certification will be required every 15 days thereafter. After certification of a serious illness, the customer is still required to enter into a reasonable installment plan for any overdue balance and pay all current charges for water use. Proof of residency may be required.

The MDC reserves the right to contest the validity of any serious illness certification received.

### AVISO IMPORTANTE SOBRE DERECHOS DEL CLIENTE:

Cualquier cliente que tenga preguntas o dispute cualquier parte de e: factura de agua deberá visitar [www.themdc.org](http://www.themdc.org) o comunicarse con Servicio Cliente de MDC llamando al 860-278-7850.

Cualquier cliente que reciba un aviso de terminación y dispute la validez de cargos de facturación puede solicitarle al Oficial de Revisión de MDC q revise su cuenta. Tal solicitud debe hacerse dentro de 13 días del envío p correo postal del aviso de terminación a 555 Main Street, ATN: Oficial Revisión, Hartford, CT 06103 o envíe por correo electrónico [Reviewofficer@themdc.com](mailto:Reviewofficer@themdc.com). El Oficial de Revisión responderá por escr dentro de los 10 días de recibida la queja del cliente.

### DERECHO A SERVICIO RESIDENCIAL DURANTE UNA ENFERMEDAD GRAVE

No podrá suspenderse el servicio residencial al hogar de ningún clien durante el tiempo en que el residente de ese hogar esté gravemente enferm siempre que dicha enfermedad grave esté certificada por escrito, por médico con licencia y sea enviada a MDC dentro de los 13 días del envío p correo postal del aviso de terminación. El cliente debiera proveer **Formulario de Certificación Médica de Enfermedad Grave** el cual se pue obtener por medio de Servicio al Cliente de MDC o en [www.themdc.org](http://www.themdc.org). La certificación de enfermedad grave de un médico registrado deberá suficiente si se realiza inicialmente por teléfono, siempre que el médico en el formulario de certificación llenado a MDC dentro de los 7 días calendario la fecha de la llamada telefónica. Si el médico no especifica la duración de enfermedad, se requerirá una renovación de esta certificación cada 15 día partir de entonces. Luego de la certificación de enfermedad grave, el clie debe de todos modos entrar en un plan de pagos razonable por cualq saldo adeudado y pagar los cargos regulares por el uso del agua. Por requerirse prueba de residencia.

MDC se reserva el derecho de disputar la validez de cualquier certificación enfermedad grave que reciba.

### Updated Customer Information

#### Mailing Address (please print clearly)

Name \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_

State/Province \_\_\_\_\_

Zip/Postal Code \_\_\_\_\_

Telephone (\_\_\_\_\_) \_\_\_\_\_

Cell Number (\_\_\_\_\_) \_\_\_\_\_

Email Address \_\_\_\_\_

- If this is a catch-up bill due to an actual reading after a series of estimates, you may be eligible to extend the payments over additional time. Please call us at 860-278-7850.
- If bill is not paid by Due Date, 1% interest (monthly) will be added to outstanding amount due.
- All payments received by the MDC will be applied to the oldest unpaid invoice on the account before any pending current charges.

#### 24 HOUR DROP BOX PAYMENT LOCATIONS:

60 Murphy Road, Hartford  
555 Main Street, Hartford

#### SEND PAYMENT TO:

The Metropolitan District  
P.O. Box 990092  
Hartford, CT 06199-0092



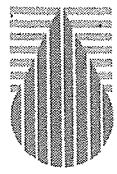
SCAN to Access MDC's Online Bill Payment Options

[www.themdc.org](http://www.themdc.org)



[www.facebook.com/themetropolitandistrict](http://www.facebook.com/themetropolitandistrict)

# MDC The Metropolitan District



water supply • environmental services • geographic information  
 60 MURPHY ROAD  
 HARTFORD CT 06114  
 Tel. 860 278-7850  
[www.themdc.org](http://www.themdc.org)

**Account No.:** 21133324 **Page:** 3 of 3  
**Invoice No.:** 630000699056 **Invoice Date:** 08/02/2023  
**Customer Name:** TOWN OF EAST HARTFORD  
**Service Address:** 830 SILVER LN  
 EAST HARTFORD CT 06118

**\*The Clean Water Project (CWP) Charge:**

The Federal Environmental Protection Agency (EPA) and CT State Department of Energy and Environmental Protection (DEEP) mandated Clean Water Project (CWP) Charge is applied for the repayment of the CWP costs and is calculated based on water consumption for customers who receive both water and sewer services. The CWP is a sewer infrastructure improvement project. Learn more, visit [www.themdc.org/the-clean-water-project](http://www.themdc.org/the-clean-water-project).

Due Date: 08/28/2023	<b>\$118.06</b>
Total Amount Due	

For an explanation of charges or to pay your bill online, please go to [www.themdc.org/customers/billing-services](http://www.themdc.org/customers/billing-services)

## Current Charges

Service Charges	\$115.56
<b>Water Service</b>	<b>\$75.96</b>
2023 Water Used Charge @ \$3.80 x 7.20 CCF	\$27.36
(MDC Water rate for 2023 is \$0.0051 per US-Gallon)	
2023 Water Customer Service Charge - 1 1/2"	\$48.60
<b>Sewer Service</b>	<b>\$9.00</b>
2023 Sewer Customer Service Charge	\$9.00
<b>Federal / State Regulatory Compliance Fees</b>	<b>\$30.60</b>
2023 DEEP/EPA CWP Charge* @ \$4.25 x 7.20 CCF	\$30.60

Other Charges & Adjustments	\$2.50
2023 X-Connect Insp-Fees @ \$2.50 x 1	\$2.50

**TOTAL CURRENT CHARGES** **\$118.06**

## Meter Readings

**Reading Date (07/27/2023)**

Meter Number	61215989
Meter Size	1-1/2"
Current Meter Reading	18.30
Previous Meter Reading	11.10
Water Usage (CCF)	7.20
Type of Meter Reading	Actual Reading



**MDC The Metropolitan District**  
 water supply • environmental services • geographic information  
 60 MURPHY ROAD  
 HARTFORD CT 06114  
 Tel. 860 278-7850  
 www.themdc.org

**Account No.:** 21133326 **Page:** 1 of 3  
**Invoice No.:** 630000699058 **Invoice Date:** 08/02/2023  
**Customer Name:** TOWN OF EAST HARTFORD  
**Service Address:** 836 SILVER LN  
 EAST HARTFORD CT 06118

**Billing Summary**

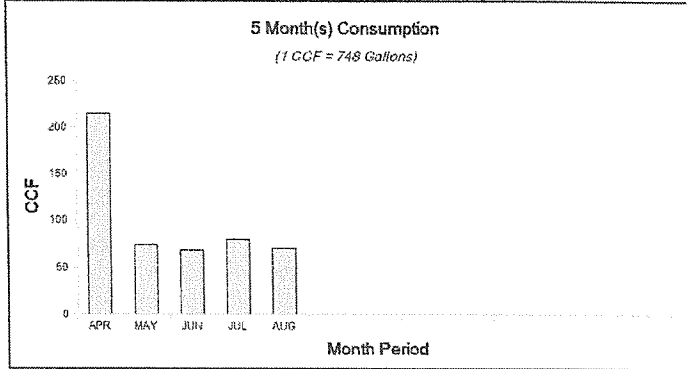
**Billing Period**  
 06/29/2023 - 07/27/2023 (29 Days)

Previous Balance	\$750.17
Payments Received	-\$750.17
<b>Remaining Balance</b>	<b>\$0.00</b>
Service Charges	\$651.91
Other Charges & Adjustments	\$25.00
<b>Total Current Charges</b>	<b>\$676.91</b>
<b>TOTAL AMOUNT DUE</b>	<b>\$676.91</b>

Due Date: 08/28/2023 **\$676.91**  
 Total Amount Due

1% INTEREST ADDED IF NOT PAID BY DUE DATE.

**Usage Summary (CCF)**



CUSTOMER INFORMATION

Protect Your Home: Sewer Backup Prevention  
 Backwater Valve Program

The MDC offers a variety of programs, including the Backwater Valve Program (BWVP), to assist MDC sewer customers in the prevention of sewer backups into their homes. By protecting basement fixtures and eliminating excess storm and ground water from entering the sanitary sewer system, surcharges (backups) are greatly reduced.

Learn more about the BWVP and other initiatives to protect your home by visiting our website at [www.themdc.org/utility-services](http://www.themdc.org/utility-services) or by contacting our Utility Services Department at (860) 278-7850 ext. 3123.



Keep this portion for your records. Go Paperless. Pay online at [www.themdc.org](http://www.themdc.org).  
 Please return this portion with your payment. Make check payable to The Metropolitan District or MDC.

MP230003.csv-525-00000006

**MDC The Metropolitan District**  
 water supply • environmental services • geographic information  
 60 MURPHY ROAD  
 HARTFORD CT 06114  
 Tel. 860 278-7850  
 www.themdc.org

**Invoice No.:** 630000699058  
**Service Address:** 836 SILVER LN  
 EAST HARTFORD CT 06118

**Invoice Date:** 08/02/2023  
**Account No.:** 21133326



Check box for address change and enter new address on the back.

Amount Due By 08/28/2023	\$676.91
Total Amount Enclosed	\$ 676.91

000263 000000006

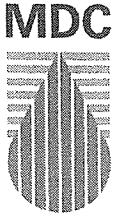
TOWN OF EAST HARTFORD  
 740 MAIN ST  
 EAST HARTFORD CT 06108-3140



**SEND PAYMENT TO:**

The Metropolitan District  
 P.O. Box 990092  
 Hartford, CT 06199-0092

00000000676910828202300110604097000021133326563000069905821



# The Metropolitan District

water supply • environmental services • geographic information  
60 MURPHY ROAD  
HARTFORD CT 06114  
Tel. 860 278-7850  
[www.themdc.org](http://www.themdc.org)

THE APPLICABLE RATES, ORDINANCES, TERMS AND CONDITIONS UNDER WHICH SERVICE IS FURNISHED ARE ON FILE AT THE METROPOLITAN DISTRICT OFFICE. COPIES MAY BE OBTAINED UPON REQUEST.  
LAS TARIFAS APLICABLES, ORDENANZAS, TÉRMINOS Y CONDICIONES BAJO LAS CUALES SE OFRECEN LOS SERVICIOS ESTAN ARCHIVADOS EN LA OFICINA DE DISTRITO METROPOLITANA. SE PUEDEN OBTENER COPIAS A SOLICITUD.

### IMPORTANT NOTICE OF CUSTOMER RIGHTS:

Any customer who has questions or disputes any part of this water bill should visit [www.themdc.org](http://www.themdc.org) or contact MDC Customer Service by calling 860-278-7850.

Any customer that receives a termination notice and disputes the validity of billing charges may request the MDC Review Officer to review his/her account. Such a request must be made within 13 days of the mailing of a termination notice and in writing to 555 Main Street, ATTN: Review Officer, Hartford, CT 06103 or sent via E-mail to: [Reviewofficer@themdc.com](mailto:Reviewofficer@themdc.com). The Review Officer will respond in writing to the customer within 10 days after receipt of the customer's complaint.

### RIGHT TO RESIDENTIAL UTILITY DURING SERIOUS ILLNESS:

Residential utility service to the home of any customer may not be terminated during such time as any resident of the home is seriously ill, provided such serious illness is certified in writing by a licensed physician to the MDC within 13 days of the mailing of the termination notice. A customer must provide a **Physician's Certification of Serious Illness Form** which can be obtained from MDC Customer Service or at [www.themdc.org](http://www.themdc.org). A registered physician's certification of serious illness shall be sufficient if initially made by telephone provided the physician forwards a completed certification form to the MDC within 7 calendar days from the date of the telephone call. If the doctor does not specify the length of the illness, a renewal of this certification will be required every 15 days thereafter. After certification of a serious illness, the customer is still required to enter into a reasonable installment plan for any overdue balance and pay all current charges for water use. Proof of residency may be required.

The MDC reserves the right to contest the validity of any serious illness certification received.

### AVISO IMPORTANTE SOBRE DERECHOS DEL CLIENTE:

Cualquier cliente que tenga preguntas o dispute cualquier parte de e factura de agua deberá visitar [www.themdc.org](http://www.themdc.org) o comunicarse con Servicio Cliente de MDC llamando al 860-278-7850.

Cualquier cliente que reciba un aviso de terminación y dispute la validez de cargos de facturación puede solicitarle al Oficial de Revisión de MDC que revise su cuenta. Tal solicitud debe hacerse dentro de 13 días del envío por correo postal del aviso de terminación a 555 Main Street, ATTN: Oficial Revisión, Hartford, CT 06103 o envíe por correo electrónico [Reviewofficer@themdc.com](mailto:Reviewofficer@themdc.com). El Oficial de Revisión responderá por escrito dentro de los 10 días de recibida la queja del cliente.

### DERECHO A SERVICIO RESIDENCIAL DURANTE UNA ENFERMEDAD GRAVE

No podrá suspenderse el servicio residencial al hogar de ningún cliente durante el tiempo en que el residente de ese hogar esté gravemente enfermo siempre que dicha enfermedad grave esté certificada por escrito, por médico con licencia y sea enviada a MDC dentro de los 13 días del envío por correo postal del aviso de terminación. El cliente deberá proveer **Formulario de Certificación Médica de Enfermedad Grave** el cual se puede obtener por medio de Servicio al Cliente de MDC o en [www.themdc.org](http://www.themdc.org). La certificación de enfermedad grave de un médico registrado deberá ser suficiente si se realiza inicialmente por teléfono, siempre que el médico en el formulario de certificación llenado a MDC dentro de los 7 días calendario la fecha de la llamada telefónica. Si el médico no especifica la duración de la enfermedad, se requerirá una renovación de esta certificación cada 15 días a partir de entonces. Luego de la certificación de enfermedad grave, el cliente debe de todos modos entrar en un plan de pagos razonable por cualquier saldo adeudado y pagar los cargos regulares por el uso del agua. Puede requerirse prueba de residencia.

MDC se reserva el derecho de disputar la validez de cualquier certificación de enfermedad grave que reciba.

## Updated Customer Information

### Mailing Address (please print clearly)

Name \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_

State/Province \_\_\_\_\_

Zip/Postal Code \_\_\_\_\_

Telephone (\_\_\_\_\_) \_\_\_\_\_

Cell Number (\_\_\_\_\_) \_\_\_\_\_

Email Address \_\_\_\_\_

- If this is a catch-up bill due to an actual reading after a series of estimates, you may be eligible to extend the payments over additional time. Please call us at 860-278-7850.
- If bill is not paid by Due Date, 1% interest (monthly) will be added to outstanding amount due.
- All payments received by the MDC will be applied to the oldest unpaid invoice on the account before any pending current charges.

### 24 HOUR DROP BOX PAYMENT LOCATIONS:

60 Murphy Road, Hartford  
555 Main Street, Hartford

### SEND PAYMENT TO:

The Metropolitan District  
P.O. Box 990092  
Hartford, CT 06199-0092



SCAN to Access MDC's Online Bill Payment Options

[www.themdc.org](http://www.themdc.org)



[www.facebook.com/themetropolitandistrict](http://www.facebook.com/themetropolitandistrict)



# The Metropolitan District

water supply • environmental services • geographic information  
60 MURPHY ROAD  
HARTFORD CT 06114  
Tel. 860 278-7850  
[www.themdc.org](http://www.themdc.org)

**Account No.:** 21133326 **Page:** 3 of 3  
**Invoice No.:** 630000699058 **Invoice Date:** 08/02/2023  
**Customer Name:** TOWN OF EAST HARTFORD  
**Service Address:** 836 SILVER LN  
EAST HARTFORD CT 06118

### \*The Clean Water Project (CWP) Charge:

The Federal Environmental Protection Agency (EPA) and CT State Department of Energy and Environmental Protection (DEEP) mandated Clean Water Project (CWP) Charge is applied for the repayment of the CWP costs and is calculated based on water consumption for customers who receive both water and sewer services. The CWP is a sewer infrastructure improvement project. Learn more, visit [www.themdc.org/the-clean-water-project](http://www.themdc.org/the-clean-water-project).

Due Date: 08/28/2023	<b>\$676.91</b> Total Amount Due
----------------------	-------------------------------------

For an explanation of charges or to pay your bill online, please go to [www.themdc.org/customers/billing-services](http://www.themdc.org/customers/billing-services)

## Current Charges

Service Charges	\$651.91
<b>Water Service</b>	<b>\$344.56</b>
2023 Water Used Charge @ \$3.80 x 70.20 CCF	\$266.76
(MDC Water rate for 2023 is \$0.0051 per US-Gallon)	
2023 Water Customer Service Charge - 2"	\$77.80
<b>Sewer Service</b>	<b>\$9.00</b>
2023 Sewer Customer Service Charge	\$9.00
<b>Federal / State Regulatory Compliance Fees</b>	<b>\$298.35</b>
2023 DEEP/EPA CWP Charge* @ \$4.25 x 70.20 CCF	\$298.35

Other Charges & Adjustments	\$25.00
2023 FOG - Fee @ \$12.50 x 2	\$25.00

<b>TOTAL CURRENT CHARGES</b>	<b>\$676.91</b>
------------------------------	-----------------

## Meter Readings

Reading Date (07/27/2023)	
Meter Number	50004400
Meter Size	2"
Current Meter Reading	24,807.10
Previous Meter Reading	24,736.90
Water Usage (CCF)	70.20
Type of Meter Reading	Actual Reading







## DEMOLITIONS

### Applicability

All buildings and structures intended to be demolished, dismembered, disassembled, dismantled or razed shall require approval of a permit for such activity by the Building Department.

*Exception: Those structures exempted in accordance with Section 29-402 of Connecticut General Statutes [CGS]*

### Letter of Intent/Historic Structures

#### Notifications Checklist #1 (Ordinance 7-22)

A Letter of Intent To Demolish shall be filed with the Building Official for any structures **more than fifty (50) years old** prior to applying for a Demolition Permit.

A waiting period of sixty (60) days is required before demolition applications can be accepted for review. **Per Ordinance 7-22**

#### Postings of Property Checklist #4

A Notice sign shall be prominently posted on the property for a period of thirty (30) days **during the required waiting period**, visible from the public street.

#### Demolition Permit Application Checklist #5

#### Contractor Certification/Registration Checklist #6

Persons applying for demolition permits shall possess a current Connecticut Certification of Demolition Contractor Registration.

Contractors for structures over 2 stories or more than 35 feet in height shall be certified as Class A. All other contractors shall be certified as Class B.

*Exceptions. A Contractor Registration is not required for:*

*Single family home owners taking down dwellings or accessory structures on their own property, or for any person(s) demolishing single family dwellings and attached garages/decks, and only when the owner is physically present on site.*

#### Minimum Liability Insurance Checklist #7

Evidence of liability and property damage insurance shall be filed at the time of application in the minimum amounts of \$1,000,000/\$250,000, with the Town of East Hartford named as an additional insured.

#### Cutoffs of Utilities Checklist #10

Furnish a cutoff certificate from each utility servicing the structure, indicating the date on which service was terminated or capped. Furnish a "dig number" for excavation work.

#### Notices to Adjacent Property Owners Checklist #8

Notice of Intent to Demolish shall be sent by certified mail to all adjoining property owners of record **at least one week before demolition is to commence**. Submit evidence of mailings with Application.

#### Certifications Checklist #9

Provide reports on investigations for, and remediation of, asbestos and any other hazardous materials on the site as listed by the Department of Environmental Protection.

#### Details of the Work

Provide a schedule of activities with target dates for demolition operations, filling of foundation holes, disposal of debris.

### Procedures During Demolition

#### Notification Before Commencing Work

The Building Division shall be notified at least forty-eight (48) hours before any demolition operations are scheduled to begin. A new "Call Before You Dig" number shall be furnished if any prior number for a utility location submitted is more than ten (10) days beyond its date of issue.

Notify Fire Department of water cutoffs to any building sprinkler system(s).

#### Protection of the Public

Fencing and other barricades as approved by the Building Official, shall be erected and maintained as required by Chapter 541, Part Ia, Connecticut General Statutes [C.G.S.].

#### Protection of Adjoining Properties

Protect the adjoining premises from damage, including the lot, the buildings and structures. Secure permission from adjacent owners for any necessary access to their property. Repair/replace any adjacent property damages with approved materials equivalent in use and function.

#### Blasting

Shall be allowed and accomplished only in strict accordance with blasting regulations, licensing and other applicable laws, as further provided in Chapter 541, Part II, CGS.



## DEMOLITION CHECKLIST

1. Letter of intent to demolish structure(s) over 50 years.
2. Historic District Commission approval letter for demolition for a structure 50 years or older
3. Cost of Demolition Job
4. Demolition notice posted on property (30 days)
5. Demolition Application
6. Demolition contractors registration
  - A. Class A registration for building over 2 stories or more than 35 feet in height
  - B. Class B registration for all other demolition
7. Minimum liability insurance \$1000.00/\$250000. Town of East Hartford named as an additional insured.
8. Notices to adjacent property owners of intent to demolish
9. Certification-reports on investigations and remediation of asbestos and any other hazardous materials.
10. Utility shut off's- CNG(gas)
  - Eversource (electric)
  - MDC (water & sewer)
  - Comcast or AT&T (cable & telephone)
  - Fiber optics
11. Call before you dig number
12. Town's wetlands approval (sign off).
13. State of Connecticut- Department of Public Health (Demolition Notification Form)  
**Use latest DPH Form (downloadable)**
14. Hold Harmless letter to the Director of Inspections and Permits



SHADED AREAS FOR DEPARTMENT USE ONLY:

**INSPECTIONS AND PERMITS**  
**DEPARTMENT DECISION**

APPLICATION IS HEREBY:  
 APPROVED  DISAPPROVED

DATE \_\_\_\_\_ CHIEF INSPECTOR \_\_\_\_\_

**ASSESSOR'S VALUATION**

Value of Structure \_\_\_\_\_

Assessor's Sign-off \_\_\_\_\_

Date \_\_\_\_\_

**FEE SCHEDULE**

\$20.00 Assessor's valuation of building, first \$10,000  
 \$ 4.00 Each additional \$1,000 valuation

**INLAND WETLAND**

Flood Zone \_\_\_\_\_

Wetlands \_\_\_\_\_

Buffer Area \_\_\_\_\_

Commission Approval Date \_\_\_\_\_

**PROOF OF UTILITY DISCONNECTIONS:**

Water  Sewer  Cable  
 Telephone  Natural Gas  
 Electric: CRS # \_\_\_\_\_

**NOTICES TO ABUTTING LANDOWNERS:**

**HISTORIC DISTRICT COMMISSION APPROVAL:**   
 (If over 50 years old)

**APPLICATION FOR  
DEMOLITION PERMIT**

PERMIT # \_\_\_\_\_

**TOWN OF EAST HARTFORD**  
Department of Licenses and Inspections

APPLICATION MUST BE TYPED, OR PRINTED USING PEN.

1. LOCATION OF JOB: \_\_\_\_\_  
 Street # \_\_\_\_\_ Street Name \_\_\_\_\_

2. DESCRIPTION OF STRUCTURE TO BE DEMOLISHED:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

3. SIZE OF STRUCTURE: \_\_\_\_\_ SF

3. AGE OF STRUCTURE: \_\_\_\_\_ YRS

5. OWNER: \_\_\_\_\_

6. ADDRESS: \_\_\_\_\_  
 Street # and Name \_\_\_\_\_  
 Town, State, and Zip Code \_\_\_\_\_

7. PHONE # \_\_\_\_\_ CELL # \_\_\_\_\_

8. APPLICANT: \_\_\_\_\_

9. COMPANY NAME: \_\_\_\_\_

10. ADDRESS: \_\_\_\_\_  
 Street # and Name \_\_\_\_\_  
 Town, State, and Zip Code \_\_\_\_\_

11. PHONE # \_\_\_\_\_ CELL # \_\_\_\_\_

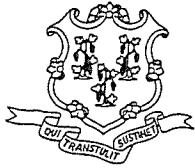
12. LIC/REG # \_\_\_\_\_ EXP. \_\_\_\_\_

13. COST: \$ N/A

14. FEE ENCLOSED: \$ \_\_\_\_\_

15. BUILDING TYPE:  Residential  Commercial





STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

DEMOLITION NOTIFICATION FORM

Table with 2 columns: Field Name (Postmark, Date, Check #, Transmittal No., Amount Paid, Record No.) and Value.

This form is to be completed and postmarked or hand delivered to the Connecticut Department of Public Health at least ten (10) days prior to the start of demolition as required by the Regulations of Connecticut State Agencies (RCSA), Section 19a-332a-3. Each demolition notification must be accompanied by a fee of FIFTY (\$50) dollars.

1. TYPE OF NOTIFICATION:

A. [ ] NEW B. [ ] EMERGENCY C. [ ] REVISED ITEMS REVISED:

2. FACILITY OWNER:

NAME:
ADDRESS:
CITY: STATE:
ZIP: PHONE NO.:

3. LOCATION OF FACILITY TO BE DEMOLISHED:

NAME:
ADDRESS:
CITY: STATE:
ZIP: PHONE NO.:

HAS AN ASBESTOS INSPECTION BEEN CONDUCTED? YES [ ] NO [ ]

4. INSPECTION INFORMATION: NAME OF INSPECTOR:

LICENSE #: DATE OF INSPECTION:
INSPECTOR ADDRESS: CITY:
STATE: ZIP: PHONE NO.:

(Inspection information applicable to facilities subject to the asbestos NESHAP, 40 C.F.R., Part 61)

In accordance with Section 61.145 of the U.S. Environmental Protection Agency's National Emission Standards for Hazardous Air Pollutants (NESHAPs) regulation, the owner or operator of a facility shall, prior to the commencement of renovation or demolition, inspect the affected portions of the facility for asbestos, including Category I and Category II nonfriable asbestos.

5(A.) DEMOLITION START DATE:

5(B.) DEMOLITION COMPLETION DATE:



Phone: (860) 509-7367/ Fax (860) 509-7378
Telephone Device for the Deaf: (860) 509- 7191
410 Capitol Avenue, MS# 51 AIR
P.O. Box 340308
Hartford, CT 06134-0308
Affirmative Action / An Equal Opportunity Employer

<b>6. USE OF FACILITY:</b>				
A. SCHOOL (K-12)	B. PUBLIC BUILDING	C. MANUFACTURING	D. OFFICE	E. COLLEGE
F. COMMERCIAL	G. CHURCH/SYNAGOGUE	H. RESIDENTIAL # OF DWELLINGS	I. OTHER	

(I SPECIFY)

<b>7. BUILDING DATA:</b>	SQUARE FEET:	# OF FLOORS:	AGE:
--------------------------	--------------	--------------	------

<b>8. DEMOLITION CONTRACTOR:</b>	
NAME:	CONTACT PERSON:
ADDRESS:	
CITY:	STATE:
ZIP:	PHONE NO.:

<b>9. DEMOLITION DISPOSAL FACILITY:</b>	
NAME:	
ADDRESS:	
CITY:	STATE:
ZIP:	PHONE NO.:

<b>10. DEMOLITION WASTE HAULER:</b>	
NAME:	
ADDRESS:	
CITY:	STATE:
ZIP:	PHONE NO.:

<b>11. PERSON COMPLETING THIS FORM:</b>	
NAME:	
ADDRESS:	
CITY:	STATE:
ZIP:	PHONE NO.:

<b>SIGNATURE</b>	<b>DATE:</b>
------------------	--------------

The submission of the Notification of Demolition Form is not required provided that an Asbestos Abatement Notification Form was previously submitted to the Department of Public Health involving abatement related to the demolition of the facility. In that case, the Asbestos Abatement Notification Form submitted to the agency satisfied the notification requirement for demolition of the facility. In all cases of demolition, one and only one form (Notification of Demolition Form or Asbestos Abatement Notification Form, as applicable) shall be sufficient to satisfy the Department of Public Health notification requirements detailed in Section 19a-332a-3 of the RCSA.

# **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

## **REGION 1 – NEW ENGLAND**

5 POST OFFICE SQUARE, SUITE 100

BOSTON, MA 02109-3912

### **LESS-THAN-10-DAY NOTIFICATIONS UNDER THE ASBESTOS NESHAP REGULATIONS – 40 C.F.R. PART 61, SUBPART M**

#### **INTRODUCTION**

The Asbestos NESHAP notification provisions generally require owners and operators of demolition and renovation activities to provide EPA with written notification of a regulated operation at least 10 business days prior to commencement of work.<sup>1</sup> The regulations allow something less than the full 10-day notice for initial notifications (as opposed to revised or updated notifications) only under certain limited factual circumstances. Note that neither the Asbestos NESHAP nor EPA policy or guidance allows regional Asbestos NESHAP staff or other regional personnel to grant a “waiver” from the 10-day notification requirement.

Alternatives to the 10-day notification requirement under the Asbestos NESHAP are limited to certain circumstances specified by the rule (e.g., emergency renovations, ordered demolitions). One rationale for the less-than-10-day notifications is that EPA did not intend that notification requirements for renovations result in disruption of important industrial processes (e.g., power production). In some instances, however, it is necessary and appropriate to stop certain activities to comply with the notification waiting period. For example, when a removal is part of a planned, scheduled repair or maintenance activity, there should be no additional burden associated with notifying in advance since the operation was planned in advance.

On the other hand, if a removal operation is necessitated by an unscheduled and unplanned event, then the operation may be covered by the emergency renovation provisions and not subject to the same waiting period as the planned and scheduled event. Other removals are necessitated by unscheduled events that, although unscheduled, can be predicted from past experience and are to be reported to EPA in advance. Such reports estimate the amounts and nature of these nonscheduled renovation operations.

---

<sup>1</sup> In New England states where EPA has delegated authority to implement and enforce Asbestos NESHAP requirements under applicable state authority, EPA considers proper notification to the delegated state authority to satisfy the federal Asbestos NESHAP requirement. *See* 62 Fed. Reg. 51654 (October 2, 1997). The New England states where EPA has delegated such authority to implement and enforce the Asbestos NESHAP include Connecticut (partial), Maine, Massachusetts, and Vermont. For regulated sources in the non-delegated New England states of Connecticut (partial), Rhode Island, and Vermont, however, prior written notification of demolition and renovation operations regulated by the Asbestos NESHAP must be provided to EPA to satisfy federal requirements.

## EMERGENCY RENOVATION OPERATIONS

[40 C.F.R. §§ 61.145(a)(4)(iv) and 61.145(b)(3)(iii)]

Emergency renovations are unexpected events that cannot be predicted and are caused by disruption of important industrial operations or by unsafe conditions. An emergency renovation operation is defined at 40 C.F.R. § 61.141 to mean “*a renovation operation that was not planned but results from a sudden, unexpected event that, if not immediately attended to, presents a safety or public health hazard, is necessary to protect equipment from damage, or is necessary to avoid imposing an unreasonable financial burden. This term includes operations necessitated by nonroutine failures of equipment.*”

For emergency renovation operations involving threshold amounts of asbestos, as per 40 C.F.R. § 61.145(a)(4)(iv), written notice of intent to renovate is required “as early as possible before [work begins], but not later than, the following working day.” Events that would necessitate an emergency renovation include those that may produce immediately unsafe conditions as well as those that, if not quickly remedied, could reasonably be foreseen to result in an unsafe or detrimental effect on health. For example, a boiler in an apartment building that suddenly malfunctions during the winter would need to be repaired immediately. The rule also includes equipment damage and financial burden as reasons for emergency renovations. These reasons serve to protect equipment from significant damage and to avoid imposing an unreasonable financial burden by requiring sources that experience a sudden unexpected equipment failure to wait 10 days.<sup>2</sup>

The basic characteristic that distinguishes an emergency renovation from a planned renovation is the degree of predictability of their occurrence. *See* 40 Fed. Reg. 48292 (October 14, 1975). In planned renovations, the amount of asbestos to be stripped or removed within a given period of time can be predicted, whereas no such prediction can be made for emergency renovations. Therefore, by their unexpected occurrence, emergency renovations cannot be included in notifications given for planned, individual, nonscheduled renovations.

For emergency renovations, the rule requires a written notification be prepared and submitted (postmarked) not later than one working day after renovation begins. If an incomplete notification is provided, the owner/operator must follow up with a revised/complete notification. Notification by facsimile technology (fax) is not considered an acceptable means for transmitting notifications. EPA does not require annual predictions of the quantities of asbestos to be removed as a result of emergency

---

<sup>2</sup> Consult the Applicability Determination Index (ADI) database web site for clarification and examples on this and other aspects of the Asbestos NESHAP. EPA periodically issues determinations of whether certain intended actions constitute the commencement of regulated activities such as construction, reconstruction, or modification (“applicability determinations”), permissions to use monitoring or record keeping which is different from the promulgated NESHAP standards (“alternative monitoring”), and a broad range of NESHAP regulatory interpretations as they pertain to sources or source categories (“regulatory interpretations”). EPA Headquarters has maintained a compilation of such letters and memoranda since they were first issued and this compilation is currently available on the Applicability Determination Index (ADI) through the link provided, below.



renovations as annual predictions are required for individual nonscheduled renovations that can be predicted based on past experience.

[A note about nonscheduled renovations: Although the usage of the term "nonscheduled renovation operation" in the context of planned renovations may appear contradictory, the term applies to individual events that cannot be precisely predicted as to their specific nature and time of occurrence but, based on experience, will occur. *See* 40 C.F.R. § 61.141. For example, a petroleum refinery or chemical plant must routinely deal with faulty valves, pumps, and pipes and other failures that occur occasionally. Because such equipment failures have occurred in the past, plant operators know that similar problems will occur in the future, even though the exact date and location are unknown. But the plant operators can be certain that they will occur and can plan accordingly. Similarly, use of the word "routine" in the definition applies to equipment failures that, based on experience, can be predicted to occur in that they occur as a matter of routine, although the exact date and location cannot be predicted. *Activities that do not occur routinely are not covered by the provisions governing individual, nonscheduled operations.* For instance, if the amount of asbestos that will be disturbed as part of a maintenance activity will exceed the threshold amounts and the activity can be planned (that is, the date and nature of the work to be done are known in advance), then the activity is a planned renovation subject to the requirements of Section 61.145(a)(4). Maintenance activities that occur as a result of the routine failure of equipment cannot be precisely predicted and would be included in the annual notification requirement for planned renovation operations involving individual nonscheduled operations. *A maintenance activity performed in connection with a sudden unexpected event, where the amount of asbestos affected exceeds the thresholds, is considered an emergency renovation.* A nonscheduled renovation differs from an emergency renovation in that, while nonscheduled renovations can be anticipated based on experience, emergency renovations cannot be predicted.]

#### ORDERED DEMOLITIONS

The Asbestos NESHAP, at 40 C.F.R. § 61.145(a)(3), provides that, among other things, "if the facility is being demolished under an order of a State or local government agency, issued because the facility is structurally unsound and in danger of imminent collapse," then written notice of intent to renovate is required as early as possible before work begins but not later than the following working day. *See* 40 C.F.R. § 61.145(b)(3)(iii). Typically, a demolition is ordered when a building has been declared unsafe and in danger of collapse as a result of damage caused by fire. A representative from the fire department or a building inspector employed by the appropriate government agency makes this determination. These structures must typically be demolished immediately and often cannot await an inspection by EPA. To discourage abuse of this provision, the notification that is submitted must identify the government representative who ordered the demolition and the date the order was issued and the date the demolition was ordered to begin.

## CONCLUSION

Under the Asbestos NESHAP, all original notifications must be submitted by owners and operators of regulated demolition and renovation activities at least 10 business days prior to the commencement of work, unless certain limited factual circumstances exist. These circumstances include emergency renovations and ordered demolitions. For any demolition or renovation, it is the reasonability of the notifying owners and operators to establish and document their classification of a regulated operation and to comply with all applicable Asbestos NESHAP requirements.

### For more information:

EPA Asbestos NESHAP Rule Summary and contact page – <https://www.epa.gov/stationary-sources-air-pollution/asbestos-national-emission-standards-hazardous-air-pollutants>

EPA Headquarters Asbestos page – <http://www.epa.gov/asbestos/> and <https://www.epa.gov/asbestos/asbestos-professionals> (for asbestos professionals)

OSHA Asbestos page – <http://www.osha.gov/SLTC/asbestos/>

EPA Applicability Determination Index–  
<http://www.epa.gov/compliance/monitoring/programs/caa/adi.html>

*Updated: 9/14/2017*

DATE

Milton Gregory Grew

Director of Inspections and Permits

Town of East Hartford

740 Main Street

East Hartford, CT 06108

RE: Demolition at \_\_\_\_\_

In accordance with Connecticut Public Act No. 15-131, I am writing to declare that I shall hold the Town of East Hartford and its agents harmless from any claim or claims arising out of my negligence or the negligence of my agents or employees during the course of the demolition operation.

If you have any questions, please feel free to call me.

Sincerely,



Town of East Hartford

Code of Ordinances

Sec. 7-21. Notice Required.

**CHAPTER. 7. Building and Buildings**

Sec. 7-22. Demolition of Structures More Than Fifty Years Old; Permit; Fee.

Indemnification Agreement to protect the Town against claims and demands from injured parties.

Effective: 5/24/91 (all of 7-20)

**Sec. 7-21. Notice Required.**

(a) Upon the issuance of the moving permit, the Director of Public Works shall notify the Chief of Police and Fire Department as to the route to be taken and the time.

(b) The permittee shall notify the telephone and electric company of such moving.

**ARTICLE 5. DEMOLITION OF STRUCTURES.**

**Sec. 7-22. Demolition of Structures More Than Fifty Years Old; Permit; Fee.**

- (a) No person shall demolish a building or structure located within the town that is larger than five hundred (500) square feet and more than fifty (50) years old without first obtaining a permit from the Department of Inspections and Permits.
- (b) The permit shall be issued upon completion by the applicant of the following requirements:
  - (1) Filing of a notice of intent to demolish with the Department of Inspections and Permits stating the address of the building, along with a description.
  - (2) Within ten (10) days of filing, the applicant shall post on the property upon which the building to be demolished is located, in a conspicuous place for at least thirty (30) consecutive days, a sign provided by the Department of Inspections and Permits.
  - (3) A waiting period of sixty (60) days after the filing of the notice of intent to demolish.
- (c) The Director of the Department of Inspections and Permits shall maintain on file a list of all parties, along with their address, who are interested in receiving notice of the filing of an intent to demolish. The Director may notify these parties by mail within five (5) days of the filing of a notice of intent to demolish.
- (d) The fee for a demolition permit issued pursuant to this section shall be as provided by the Town Council in the Schedule of Fees.
- (e) The permit shall be good for one (1) year

Effective: 11/17/82

