BID SPECIFICATIONS
FOR

SILVER LANE PLAZA DEMOLITION

794-810 & 832-848 SILVER LANE – PHASE 2

CDRA Project #25-001

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

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Project: **Silver Lane Plaza Abatement & Demolition Phase 2**
CRDA Project #25-001

Location **794-810 / 832-850 Silver Lane, East Hartford, CT**

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LEGAL NOTICE – INVITATION TO BID

Silver Lane Plaza Abatement & Demolition Phase 2
CRDA Project # 25-001
East Hartford, CT

The Capital Region Development Authority (CRDA) is undertaking the abatement and demolition of Silver Lane Plaza located at 794-810 / 832-850 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 October 31, 2024** 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. NOTE: East Building foundation, footings & slab removal is an ADD Alternate.
- 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).

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 794-810 / 832-850 Silver Street, East Hartford, CT at **10:00 AM on October 11, 2024.**

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 Phase 2**
CRDA Project #25-001
794-810 / 832-850 Silver Lane, East Hartford, CT

1.2 BID DUE DATE: **October 31, 2024**

TIME: **1:00 PM**

1.3 PROJECT DESCRIPTION

The Silver Lane Plaza Abatement & Demolition Phase 2 project consists of abatement, demolition, removal and legal disposal of two buildings, 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 two existing building and all other work shown on the Silver Lane Plaza Demolition Phase 2 Construction Documents (issued 7/25/24), the bid specifications for Silver Lane Plaza Demolition Phase 2 (issued 7/25/24) 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 material 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, footings and floor slabs will be removed in their entirety. NOTE: East Building foundation removal is an Add Alternate.
- 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
- 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, attached hereto as Attachments 6.
6. The plans titled Silver Lane Plaza Demolition, 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 Phase 2, attached hereto as Attachment 5.
4. Project Specifications by Christopher Williams Architects, LLC: Silver Lane Plaza Demolition, 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, Harford, 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

O. Owner's Designated Representative for Construction Administration = Mark O'Connell, moconnell@crdact.net under the oversight of Robert Houlihan, rhoulihan@crdact.net

P. Project = Silver Lane Plaza Demolition, CRDA Project # 25-001.

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 5th floor) contact Erica Levis at 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 **10/21/2024**. 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 **10/21/24** Clarification or Questions can be emailed to Erica Levis at 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 oblige.

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. Obligees – All performance and payment bonds issued by the Contractor on the Project shall name CRDA as obligee.

D. 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

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

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 Statues § 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 PROCEEDURES AND SUBMISSION REQUIREMENTS

6.1 TIMELINE

Documents Available	10/04/24
Mandatory Pre-Bid Walk Through	10/11/24 at 10:00am
Last Day for Questions	10/21/24
Bids Due	**10/31/24 at 1:00pm**
Scope Reviews	11/07/24
Contract Award	11/15/24
Start Construction	11/29/24

6.2 Pre-Bid Conference

A mandatory pre-bid walk through will be held at the site, at **10:00 AM on 10/11/24**

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. No questions shall be accepted after 3:00 on 10/21/24**.** Answers will be provided via addenda 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 Phase 2 CRDA Project # 25-001

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 10/31/24** 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) 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

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

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
16. CRDA Disclosure Form A
17. State of CT Certificate of Compliance

BID FORM **BF/1**

SILVER LANE PLAZA ABATEMENT & DEMOLOTION PHASE 2

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 Phase 2**, 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 PHASE 2, 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 Phase 2, CRDA Project # 25-001**.

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
_____	by_____
(Print name)	Its attorney in fact
_____	_____
Company Name	(Print name)

GENERAL CONDITIONS CERTIFICATION **BF/3**
SILVER LANE PLAZA ABATEMENT & DEMOLOTION PHASE 2, EAST HARTFORD, CT

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 PHASE 2, 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		$_____

ADD ALTERNATE #1

Demo and remove foundation for East Building, backfill, grade and stabilize as required. Includes mobilization and demobilization.

$_____LS

BF/5

Item No. 1 – LARGE CONTAINMENT PREPARATION TO ENCLOSE ASBESTOS ABATEMENT (>750-2,500 SF of material removal)
$ _____ per containment

Item No. 2 – GRAY CEMENTITIOUS WALKWAY PERFORATED CEILING PANEL REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 3 – BLACK/WHITE WALKWAY SEAM CAULK REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 4 – WHITE VERTICAL TACKY CAULK REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 5 – WHITE TAPE AND JOINT COMPOUND REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 6 – BLACK FLOOR MASTIC ON CONCRETE ASSOCIATED WITH BROWN 9” X 9” VINYL FLOOR TILE REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 7 – YELLOW/BLACK ADHESIVE AND DARK GROWN/GRAY 4” CARPET COVE BASE REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 8 – GRAY DIAGONAL AND TAN WALLPAPER AND ADHESIVE REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 9 – WHITE WITH RED STRIPE AND TAN WALLPAPER AND ADHESIVE REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 10 – YELLOW AND TAN WALLPAPER AND ADHESIVE REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 11 – BLACK SINK UNDERCOAT REMOVAL AND DISPOSAL AS ACM
$ _____ each

Item No. 12 – BLACK ADHESIVE REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 13 – GRAY MUDDED PIPE FITTINGS REMOVAL AND DISPOSAL AS ACM
$ _____ each

Item No. 14 – BLACK 4-PLY TAR PAPER OVER WOOD PLY REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 15 – BLACK 4-PLY TAR PAPER OVER WOOD PLY ON MECHANICAL EQUIPMENT REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 15 – BLACK TAR SEALANT REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 16 – YELLOW/BLACK MASTIC/ADHESIVE ASSOCIATED WITH VINYL WOOD FLOOR REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 17 – WHITE TAPE AND JOINT COMPOUND REMOVAL AND DISPOSAL AS ACM $ _____ per square foot

Item No. 18 – GRAY MUDDED FITTING REMOVAL AND DISPOSAL AS ACM
$ _____ each

BF/ 7

Item No. 19 – 4-PLY TAR ROOF EDGE FLASHING REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 20 – SILVER PAINT ON ROOF VENT/EQUIPMENT FLASHINGS REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 21 – WHITE CAULK ON ROOF VENT/EQUIPMENT REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 22 – GRAY PERFORATED CEMENTITIOUS WALKWAY CEILING PANEL REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 23 – LIGHT GRAY WALKWAY – BUILDING HORIZONTAL CAULK REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 24 – WHITE VERTICAL BLUE BRICK – WINDOW FRAME CAULK REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 25 – BLACK VERTICAL BRICK – WINDOW FRAME CAULK REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 26 – TAN/GRAY VERTICAL FRAME SEAM CAULK REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 27 – WHITE DOORFRAME CAULK REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

BF/ 8

Item No. 28 – ORIGINAL BLACK MASTIC ASSOCIATED WITH 9" X 9" TAN VINYL FLOOR TILE ON CONCRETE REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 29 – WHITE KITCHEN SINK UNDERCOAT REMOVAL AND DISPOSAL AS ACM
$ _____ each

Item No. 30 – OLD GRAY EXPANSION CAULK BETWEEN FRONT COVERED WALKWAY AND BUILDING REMOVAL AND DISPOSAL AS PCBs
$ _____ per linear foot

Item No. 31 – BLACK WALKWAY REPAIR CAULK CENTER-EAST OF FRONT WALKWAY REMOVAL AND DISPOSAL AS PCBs
$ _____ per linear foot

Item No. 32 – WHITE CAULK USED THROUGHOUT EAST FACE OF BUILDING AT VERTICAL AND HORIZONTAL JOINTS REMOVAL AND DISPOSAL AS PCBs
$ _____ per linear foot

Item No. 33 – WHITE CAULK IN VERTICAL JOINT BETWEEN BLUE BRICK AND WINDOW FRAMES REMOVAL AND DISPOSAL AS PCBs
$ _____ per linear foot

Item No. 34 – LARGE WORK AREA PREPARATION TO REMOVE LEAD PAINT (>750-2,500 SF of material removal)
$ _____ per containment

END OF UNIT PRICES

BF/ 9

BID FORM

SILVER LANE PLAZA ABATEMENT & DEMOLOTION PHASE 2, 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/10**

SILVER LANE PLAZA ABATEMENT & DEMOLOTION PHASE 2, 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/11**

SILVER LANE PLAZA ABATEMENT & DEMOLOTIONPHASE 2, EAST HARTFORD, CT

Bidder's Name: _____

ADDENDA ACKNOWLEDGMENT

The undersigned acknowledges receipt of the following addenda:

ADDENDUM NUMBER	DATE OF ADDENDUM
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

BID FORM **BF/12**

SILVER LANE PLAZA ABATEMENT & DEMOLOTION PHASE 2, 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/13**

SILVER LANE PLAZA ABATEMENT & DEMOLOTION PHASE 2, 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)_____
(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 (Seal)

Attachment 1 - Labor & Equipment Rates

Project: **Silver Lane Plaza Abatement & Demolition Phase 2**

Location: **East Hartford, Connecticut**

Project Number: **CRDA Project # 25-001**

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 7/25/24

AO	COVER SHEET
C001	SITE PLAN, GENERAL ABBREVIATIONS & NOTES
C101	SITE DEMOLITION PLAN
C201	SITE RESORATION PLAN
C301	SITE DETAILS
	BOUNDARY SURVEY
AD111	832-848 DEMOLITION PLAN
AD112	794-810 DEMOLITION PLANS
AD201	832-848 ELEVATIONS
AD202	794-810 ELEVATIONS

Bid Specifications, dated July 25, 2024

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 AWARBESS
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

C•R•D•A

Capital Region
Development Authority

CAMPAIGN CONTRIBUTION AND SOLICITATION LIMITATIONS

No *state contractor, prospective state contractor, principal of a state contractor or principal of a prospective state contractor*, with regard to a *state contract* or *state contract solicitation* with or from a state agency in the executive branch or a quasi-public agency or a holder, or principal of a holder of a valid prequalification certificate, shall make a contribution to (i) an exploratory committee or candidate committee established by a candidate for nomination or election to the office of Governor, Lieutenant Governor, Attorney General, State Comptroller, Secretary of the State or State Treasurer, (ii) a political committee authorized to make contributions or expenditures to or for the benefit of such candidates, or (iii) a party committee (which includes town committees).

"**Principal of a state contractor or prospective state contractor**" means (i) any individual who is a member of the board of directors of, or has an ownership interest of five per cent or more in, a state contractor or prospective state contractor, which is a business entity, except for an individual who is a member of the board of directors of a nonprofit organization**,** (ii) an individual who is employed by a state contractor or prospective state contractor, which is a business entity, as president, treasurer or executive vice president, (iii) an individual who is the chief executive officer of a state contractor or prospective state contractor, which is not a business entity, or if a state contractor or prospective state contractor has no such officer, then the officer who duly possesses comparable powers and duties, (iv) an officer or an employee of any state contractor or prospective state contractor who has *managerial or discretionary responsibilities with respect to a state contract,* (v) the spouse or a *dependent child* who is eighteen years of age or older of an individual described in this subparagraph, or (vi) a political committee established or controlled by an individual described in this subparagraph or the business entity or nonprofit organization that is the state contractor or prospective state contractor.

Please list <u>all</u> Principals of contractor or prospective CRDA contractor (use an additional sheet of paper if necessary).

PRINCIPALS (as applicable)	NAME	TITLE/RELATIONSHIP
Members of Board of Directors		
President, Treasurer, and Executive Vice Presidents		
CEO or officer with comparable powers and duties		
Employee who has managerial or discretionary responsibilities with respect to the CRDA contract		
Applicable Spouses and/or Dependent Children		
Political Committees		

Sworn as true to the best of my knowledge and belief, subject to the penalties of false statement.

Name/Title: _____ Date _____

STATE OF CONNECTICUT

Certificate of Compliance with Connecticut General Statute Section 31 - 57b

I hereby certify that all of the statements herein contained below have been examined by me, and to the best of my knowledge and belief are true and correct.

The _____ **HAS / HAS NOT**
Company Name (Cross out Non-applicable)

been cited for three (3) or more willful or serious or serious violations of any Occupational Safety and Health Act (OSHA) or of any standard, order or regulation promulgated pursuant to such act, during the three year period preceding the bid, provided such violations were cited in accordance with the provisions of any State Occupational Safety and Health Act of 1970, and not abated within the time fixed by the citation and such citation has not been set aside following appeal to the appropriate agency of court having jurisdiction or **HAS / HAS NOT** (Cross out Non-applicable) received one or more criminal convictions related to the injury or death of any employee in the three-year period preceding the bid.

The list of violations (if applicable) is attached.

_____
(Name of Firm, Organization or Corporation)

Signed: _____
Written Signature:

_____
Name Typed: *(Corporation Seal)*

Title: _____
(Title of Above Person, typed)

Dated: _____

State of)

County of) ***ss:*** ***A.D., 20_____***

)

Sworn to and personally appeared before me for the above, _____,
(Name of Firm, Organization, Corporation)

Signer and Sealer of the foregoing instrument of and acknowledged the same to be the free act and deed of

_____, and his/her free act and deed as
(Name of Person appearing in front of Notary or Clerk)

_____.
(Title of Person appearing in front of Notary or Clerk)

My Commission Expires: _____
(Notary Public) *(Seal)*

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 Phase 2.

1. Project Location: 794-810 & 832-848 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 two entire buildings (795-810 & 832-848 Silver Lane), 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 2000 - ALTERNATES, ALLOWANCES & UNIT PRICES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. Section includes administrative and procedural requirements governing Alternates, Allowances, and Unit Prices

1.2 DEFINITIONS

A. ALTERNATE - An amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the base bid amount. The alternative work may represent elements of construction, products, materials, equipment, systems, or installation methods.
   1. Alternates described in this Section are part of the Work only if enumerated in the Agreement
   2. The cost or credit for each alternate is the net addition to-or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

B. ALLOWANCE – A fixed amount declared in the bidding documents for certain work, or to purchase material.
   1. Where the amount of the Allowance is intended to compensate the performance of certain work, the contractor shall provide itemized documentation of time and material costs based on rules of measurement stipulated in the description of the Allowance or if none are specified, conventions of the primary trade performing the installation
   2. General conditions, general requirements, and fee specifically attributable to the work of the subject Allowance.
   3. The cost presentation shall be tabulated to demonstrate that general conditions, general requirements and fee are not double-counted in the cumulative billing.
   4. Where the amount of the Allowance is indicated to compensate the purchase of materials, equipment or products, the base bid amount shall include the accessory costs of fully incorporating and integrating the Allowance item into the Work as a complete functioning installation, including:
   5. Receiving, unpacking, preparing, installing, testing and warranting the Allowance item
   6. Providing concealed structural support,
   7. Providing suitable feeds and drains for mechanical plumbing or electrical services.
   8. Providing suitable and customary disconnects, isolation valves and incidental hardware not provided with the Allowance item.

C. UNIT PRICES – are amounts based on stipulated rules of measurement for elements of work to be added to- or subtracted from- the base scope.

1.3 SUBMITTALS

A. Submittals: Requirements for Product Data and Samples are typically stipulated in the Sections specifying the work of Alternates, Allowances, and Unit Prices. Additional requirements may be noted in the schedule listing Alternates, and Unit Prices

PART 2 - PRODUCTS

2.1 ALLOWANCES – NOT USED

2.2 ALTERNATES –

1. Add Alternate No.1: Removal and disposal of the concrete foundation foundations, footings and slab on grade of 832-848 Silver Lane. The removal and disposal of the concrete foundation foundations, footings and slab on grade of 794-810 Silver Lane shall be included in the base bid.
   ADD/ALTERNATE 2A AMOUNT _____ LS
2. Add Alternate No.2: Removal of Signage: Identified on C101.
   a. Add/Alternate No. 2A 818-850 Silver Lane (previous building): The demolition, removal and disposal of the pylon sign, including foundations and footings. Include the backfill of the void left from the removal.
      ADD/ALTERNATE 2A AMOUNT _____ LS
   b. Add/Alternate No. 2B 832-848 Silver Lane: The demolition, removal and disposal of the pylon sign, including foundations and footings. Include the backfill of the void left from the removal.
      ADD/ALTERNATE 2B AMOUNT _____ LS
   c. Add/Alternate No. 2C 832-848 Silver Lane: The demolition, removal and disposal of the pylon sign, including foundations and footings. Include the backfill of the void left from the removal
      ADD/ALTERNATE 2C AMOUNT _____ LS

2.3 UNIT PRICES

Item No. 1 – LARGE CONTAINMENT PREPARATION TO ENCLOSE ASBESTOS ABATEMENT (>750-2,500 SF of material removal)
$ _____ per containment

Item No. 2 – GRAY CEMENTITIOUS WALKWAY PERFORATED CEILING PANEL REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 3 – BLACK/WHITE WALKWAY SEAM CAULK REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 4 – WHITE VERTICAL TACKY CAULK REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 5 – WHITE TAPE AND JOINT COMPOUND REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 6 – BLACK FLOOR MASTIC ON CONCRETE ASSOCIATED WITH BROWN 9” X 9” VINYL FLOOR TILE REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 7 – YELLOW/BLACK ADHESIVE AND DARK GROWN/GRAY 4” CARPET COVE BASE REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 8 – GRAY DIAGONAL AND TAN WALLPAPER AND ADHESIVE REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 9 – WHITE WITH RED STRIPE AND TAN WALLPAPER AND ADHESIVE REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 10 – YELLOW AND TAN WALLPAPER AND ADHESIVE REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 11 – BLACK SINK UNDERCOAT REMOVAL AND DISPOSAL AS ACM
$ _____ each

Item No. 12 – BLACK ADHESIVE REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 13 – GRAY MUDDED PIPE FITTINGS REMOVAL AND DISPOSAL AS ACM
$ _____ each

Item No. 14 – BLACK 4-PLY TAR PAPER OVER WOOD PLY REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 15 – BLACK 4-PLY TAR PAPER OVER WOOD PLY ON MECHANICAL EQUIPMENT REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 15 – BLACK TAR SEALANT REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 16 – YELLOW/BLACK MASTIC/ADHESIVE ASSOCIATED WITH VINYL WOOD FLOOR REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 17 – WHITE TAPE AND JOINT COMPOUND REMOVAL AND DISPOSAL AS ACM $ _____ per square foot

Item No. 18 – GRAY MUDDED FITTING REMOVAL AND DISPOSAL AS ACM
$ _____ each

Item No. 19 – 4-PLY TAR ROOF EDGE FLASHING REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 20 – SILVER PAINT ON ROOF VENT/EQUIPMENT FLASHINGS REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 21 – WHITE CAULK ON ROOF VENT/EQUIPMENT REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 22 – GRAY PERFORATED CEMENTITIOUS WALKWAY CEILING PANEL REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 23 – LIGHT GRAY WALKWAY – BUILDING HORIZONTAL CAULK REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 24 – WHITE VERTICAL BLUE BRICK – WINDOW FRAME CAULK REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 25 – BLACK VERTICAL BRICK – WINDOW FRAME CAULK REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 26 – TAN/GRAY VERTICAL FRAME SEAM CAULK REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 27 – WHITE DOORFRAME CAULK REMOVAL AND DISPOSAL AS ACM
$ _____ per linear foot

Item No. 28 – ORIGINAL BLACK MASTIC ASSOCIATED WITH 9” X 9” TAN VINYL FLOOR TILE ON CONCRETE REMOVAL AND DISPOSAL AS ACM
$ _____ per square foot

Item No. 29 – WHITE KITCHEN SINK UNDERCOAT REMOVAL AND DISPOSAL AS ACM
$ _____ each

Item No. 30 – OLD GRAY EXPANSION CAULK BETWEEN FRONT COVERED WALKWAY AND BUILDING REMOVAL AND DISPOSAL AS PCBs
$ _____ per linear foot

Item No. 31 – BLACK WALKWAY REPAIR CAULK CENTER-EAST OF FRONT WALKWAY REMOVAL AND DISPOSAL AS PCBs
$ _____ per linear foot

Item No. 32 – WHITE CAULK USED THROUGHOUT EAST FACE OF BUILDING AT VERTICAL AND HORIZONTAL JOINTS REMOVAL AND DISPOSAL AS PCBs
$ _____ per linear foot

Item No. 33 – WHITE CAULK IN VERTICAL JOINT BETWEEN BLUE BRICK AND WINDOW FRAMES REMOVAL AND DISPOSAL AS PCBs
$ _____ per linear foot

Item No. 34 – LARGE WORK AREA PREPARATION TO REMOVE LEAD PAINT (>750-2,500 SF of material removal)
$ _____ per containment

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install all work of Allowances, Alternates and Unit Prices consistent with best trade practice and the relevant material specification sections.

B. Where items of Work are added to the scope include fitting and adjustments necessary to accommodate adjacent surfaces and assemblies.

C. Where items of Work are removed from the scope provide suitable returns, closures, and continuity of adjacent finishes.

END OF SECTION 01 2000

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 appropriates 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 requited.

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 opening 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 appropriates. 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 appropriates 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 bailing 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 8314 " 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 MONITORIING

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 September 2024 (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. Less Than 50 PPM Polychlorinated Biphenyl Abatement Section 02 84 33.

1. Abatement areas represented on the Plans are to better aid in identification of areas requiring abatement. The Contractor shall refer to the architectural drawings for demolition and Site work information
2. Shading, hatching, and/or numbering represented on the Plans are to better aid in the identification of areas requiring abatement. The Contractor shall verify all existing conditions, locations and/or quantities prior to finalizing the bid. Both these specifications and Plans are to be used to help identify material and may not both address all items but are to both be considered.

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 demolition (the “Work”) at 794-810 and 832-850 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.

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
Building A, Exterior			
Building A – E Side Throughout	Gray Cementitious Walkway Perforated Ceiling Panel Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	1,550 SF	1, 3
Building A – E Side Center	Black/White Walkway Seam Calk Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	50 LF	1, 3
Building A – E Side, N End	White Vertical Tacky Calk Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM and Presumed PCBs Bulk Product Waste *See Section **02 84 34** Polychlorinated Biphenyl Bulk Product Abatement & Performance Based Clean-Up & Disposal Plan for Additional Information*	150 LF	1, 3
Building A - Interior, Second Floor			
Northwest Room – D Wall	Tape & Joint Compound – White Includes Removal, Packaging, Transporting, & Disposing as Contaminated Friable ACM	54,000 SF	1, 3
Northeast Dentist	Floor Mastic on Concrete associated with Brown 9”x9” Vinyl Floor Tile – Black All layers of Floor Tiles and Flooring materials shall be removed as ACM Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	18,000 SF	1, 2, 3, 4
Room 205	Adhesive & Dk Brown/Grey 4” Carpet Cove Base – Yellow/Black Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	300 LF	1, 3
Southeast Dentist	Wallpaper & Adhesive – Grey Diagonal & Tan Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	440 SF	1, 3
Northeast Room	Wallpaper & Adhesive – White W/ Red Strip & Tan Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	1,100 SF	1, 3
Northeast Dentist	Wallpaper & Adhesive – Yellow & Tan Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	580 SF	1, 3

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
Southeast Dentist	Sink Undercoat – Black Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	1 EA	1, 3
Northeast Dentist	Sink Undercoat – Black Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	1 EA	1, 3
Southeast Dentist – Eyewash Mirror	Adhesive – Black Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	4 SF	1, 3
Maintenance Room Off Men's Bathroom	Mudded Pipe Fittings – Grey Includes Removal, Packaging, Transporting, & Disposing as Contaminated Friable ACM	25 EA	1, 3
Building A - First Floor			
Bank	Mastic/Adhesive associated with Vinyl Wood Floor – Yellow/Black Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	18,000 SF	1, 2, 3, 4
Tobby's – Electrical Room - B Wall	Tape & Joint Compound – White Includes Removal, Packaging, Transporting, & Disposing as Contaminated Friable ACM	22,000 SF	1, 3
Print Shop - Backroom	Mudded Fitting – Grey Includes Removal, Packaging, Transporting, & Disposing as Contaminated Friable ACM	12 EA	1, 3
Building B Exterior			
Building B – S Side Throughout	Gray Perforated Cementitious Walkway Ceiling Panel Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	1,900 SF	1, 3
Building B – S Side Center and S Side, W End	Light Gray Walkway – Building Horizontal Caulk Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM and Presumed PCBs Bulk Product Waste	400 LF	1, 3
Building B – S Side Center and S Side, W End	White Vertical Blue Brick – Window Frame Caulk Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non- Friable ACM and Presumed PCBs Bulk Product Waste	140 LF	1, 3
Building B – S Side, Center Right	Black Vertical Brick – Window Frame Caulk Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	40 LF	1, 3

LOCATION	MATERIAL TYPE	ESTIMATED QUANTITY	NOTES
Building B – S Side, Center Right	Tan-Gray Vertical Frame Seam Caulk Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	55 LF	1, 3
Building B – NE Corner	White Doorframe Caulk Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	20 LF	1, 3
Building B Interior			
Barber Shop – D wall	White Tape and Joint Compound Includes Removal, Packaging, Transporting, & Disposing as Contaminated Friable ACM	58,500 LF	1, 3
Drycleaner – West Side Main Room	Original Black Mastic associated with 9”x9” Tan Vinyl Floor Tile on Concrete All layers of Floor Tiles and Flooring materials shall be removed as ACM Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	20,000 SF	1, 2, 3, 4
Appliance Store - Kitchen	Kitchen Sink Undercoat – White Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	1 EA	1, 3

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. 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.
4. All flooring including all Floor tiles shall be removed as ACM (Multi layers)

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 or cooling 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. Dampproofing: 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 of 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 laden, 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 the written approval and authorization from the Owner and Consultant. Any deviations that may impact 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. Asbestos Demo/Reno Notifications
   U.S. EPA Region 1
   Region 15 Post Office Square, Suite 100 (Mail Code: 05-MC)
   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, if retained for such service, 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. 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.

E. 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 or cold stress in the worker.

F. Submit the following to the Consultant for review. The Contractor shall not start work until these submittals are reviewed.

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) rotameter.

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 exhausted 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 the 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 thorough 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 and marked with generator information 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 PROCEDURES – BOILER DEMOLITION

A. Prior to the dismantling of the boilers and associated components, the Contractor shall ensure that work area preparation has been conducted in accordance with Sections 3.2 and 3.4 of this Specification.

B. The Contractor shall remove all metal boiler components within the contained asbestos work area, remove all non-metallic materials, and clean the components for inspection by consultant prior to removing them from the work area and loading into the metal recycling container. Dispose of any non-metallic materials as asbestos-containing waste.

C. The Contractor shall wet the boiler/components with amended water or detergent solution, so that entire surface is wet. Do not allow to puddle or run off into other areas. If a detergent is used, use in strict accordance with manufacturer's instructions. Allow time for humidity and water or removal encapsulant to soak into refectory materials prior to removal.

D. The Contractor shall keep all non-metallic materials continuously wet throughout removal operation.

E. Wet any debris generated as necessary to keep continuously wet. Keep floor continuously wet where tile has been removed and until after completion of heavy adhesive residue removal.

F. Remove refectory brick/block materials, stack or place in boxes or drums, lined with disposal bags, and label containers for asbestos disposal. All non-metallic materials such as gaskets, packings, insulation, or debris may be placed into labeled waste disposal bags, goose neck sealed and then double bagged in the waste load out, prior to leaving the contained work area.

3.6 ASBESTOS REMOVAL PROCEDURE – GLOVE BAG

A. Removal or intentional disturbance of asbestos-containing materials should only be conducted be certified and trained employees. Personal protective equipment (PPE) is always required when removing and/or disturbing asbestos-containing materials. PPE must be 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. Contractor personnel 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 expose 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 submersed 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 not to 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.

3.7 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 asbestos project monitor may collect and analyze air samples during the following period:

1. Abatement Period. If required, or retained for this service, the Consultant's asbestos project monitor 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.
   a. If the Consultant's Asbestos Project Monitor 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's Asbestos Project Monitor shall conduct air sampling following the final clean-up phase of the project, once the "no visible residue" criterion, as established by the Consultant's Asbestos Project Monitor, 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's Asbestos Project Monitor 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^2 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's Asbestos Project Monitor may 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.

3.8 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”.

3.9 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^2 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.

3.10 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 September 2024 (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

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. Work outlined in this Section includes all work necessary for the removal, packaging, transportation, and disposal of asbestos-containing materials (ACM) located on the roof that will be impacted during the demolition (the "Work") at 794-810 and 832-850 Silver Lane, East Hartford, Connecticut (the "Site").

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 sub-contractors 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
Building A - Roof		
Northeast Upper Roof – Edge	4 Ply Tar Paper Over Wood Ply – Black Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	630 SF
Southwest Upper Roof - Flashing	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment – Black Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	510 SF
Chimney	Tar Sealant – Black *Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM*	50 LF
Building B - Exterior		
Building B – Center S Upper Roof, Center E Upper Roof, NE Upper Roof, NW Upper Roof, SW Upper Roof, SW Lower Roof, and SE Lower Roof	4-Ply Tar Roof Edge Flashing Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	6,300 SF
Building B – NW Roof and W Center Roof	Silver Paint on Roof Vent/Equipment Flashings Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	170 SF
Building B – NW Roof	White Caulk on Roof Vent/Equipment Includes Removal, Packaging, Transporting, & Disposing as Contaminated Non-Friable ACM	50 LF

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 (μ) 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 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. Dampproofing - 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 of 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.
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 record.
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 laden, 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 the 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. Asbestos Demo/Reno Notifications
   U.S. EPA Region 1
   Region 15 Post Office Square, Suite 100 (Mail Code: 05-MC)
   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 utilizing 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.

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 abatement 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 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 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 September 2024 (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. Less Than 50 PPM Polychlorinated Biphenyl Abatement Section 02 84 33.

1.2 SUMMARY OF WORK

A. Work of this Section includes requirements for worker protection and waste disposal related to exterior painting and repair work involving lead-based paint (LBP)-coated building components and surfaces (the "Work) at 794-810 and 832-850 Silver Lane, East Hartford, Connecticut (the "Site").

B. The procedures referenced herein shall be utilized during required repair/replacement work specified elsewhere that may impact building components coated with LBP. The following exterior painted components were determined to be coated with LBP by lead determination utilizing X-Ray Fluorescence (XRF):

1. Brick Walls.

C. The repair/replacement 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 µg/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 - 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 (50 µg/m^3) of air. 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^2) 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 and Owner 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. The Contractor shall be responsible for all costs associated with damage to the building and its contents that are noted in the walk-thru 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 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.
7. Submit workers' valid training certificates.
8. 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 last 4 digits of social security number with each record.
9. 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.
10. Submit detailed product information on all materials and equipment proposed for demolition work on this project.
11. Submit pertinent information regarding the qualifications of the Project Supervisor (competent person) for this project, as well as a list of past projects completed.
12. Submit a chain-of-command for the project.
13. Submit a site-specific Emergency Action Plan for the project.
14. 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).
15. 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 Owner and 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 Owner 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 $\mu g/m^3$ 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 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 $\mu g/m^3$.

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 prior to use. Any requests for substitution shall be provided in writing to the Owner. The request shall clearly state the rationale for the substitution.

B. Submit to the Owner 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.

1. Fuss & O'Neill, Inc. did collect a sample for TCLP analysis for disposal characterization of the anticipated waste stream. If the analytical result of the TCLP is < 5.0 milligrams per liter (mg/L), the waste shall be considered non-hazardous and transported and disposed as such.

3.8 CONSULTANT

A. The Owner may retain a consultant for the purpose of construction administration and project monitoring during demolition work at the Site.

B. The Consultant will represent the Owner in all tasks of the project at the discretion of the Owner.

3.9 CONSULTANT'S RESPONSIBILITIES

A. The Consultant may conduct air sampling to ascertain the integrity of controls that protect the environmental from possible lead 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. Demolition Period. If required, the Consultant shall collect air samples on a daily basis during the work period. A sufficient number of area air samples shall be collected outside of the work area, to evaluate the degree of cleanliness or contamination of the environment during removal. Additional air samples may be collected inside the work area and decontamination system, at the discretion of the project monitor.

C. If the Consultant determines that the building air quality has become contaminated from the project, they shall immediately inform the Contractor to cease all demolition operations and implement a work stoppage clean-up procedure. The Contractor shall conduct a thorough clean-up of the areas designated by the Consultant. No further removal work may occur until the Consultant has assessed that the air and/or surfaces have been decontaminated and the source of the contamination has been rectified.

D. Pre-abatement and abatement air samples shall be collected as required to obtain a volume of 600 liters of air. Air samples shall be analyzed by NIOSH Method 7300 sampling protocol.

3.10 CONSULTANT'S INSPECTION RESPONSIBILITIES

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

B. The Consultant shall 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 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 Inspections. Work area inspections shall be conducted on a daily basis at the discretion of the Consultant. During the work inspections, the Consultant will observe the Contractor's removal methods and procedures, assess project progress, and inform the Contractor of specific remedial activities if deficiencies are noted.

END OF SECTION 02 83 19

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 September 2024 (Attachment A).

C. Asbestos Abatement Section 02 82 13.

D. Asbestos Roofing Abatement Section 02 82 14.

E. Lead-Based Paint Awareness Section 02 83 19.

F. Less Than 50 PPM Polychlorinated Biphenyl Abatement Section 02 84 33.

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 the 794-810 and 832-850 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 [renovations 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 building interior/exterior to be demolished. Fluorescent lamps that are to be removed shall be recycled/disposed as universal wastes.

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.

TABLE 1

LOCATION	TYPE/MODEL	ESTIMATED QUANTITY
Throughout Buildings	PCB Assumed Light Ballasts	163
Throughout Buildings	Compact Fluorescent Lamp (CFL)	2
Throughout Buildings	U-Shaped Mercury-Containing Light Tube	176
Throughout Buildings	1' Mercury-Containing Light Tube	2
Throughout Buildings	4' Mercury-Containing Light Tube	1,413
Throughout Buildings	8' Mercury-Containing Light Tube	10

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 tube 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 from the project site. The Owner shall be provided 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-hour 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 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 September 2024 (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.

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 794-810 and 832-850 Silver Lane, East Hartford, Connecticut (the "Site"). This Work under this Contract includes but is not limited to asbestos abatement i (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
Building A		
Walkway to Building SE	Gray Caulking Compound *Includes Removal, Packaging, Transporting, & Disposal as Contaminated PCB Waste <50 PPM*	50 LF
Walkway Repair Center East	Black Caulking Compound *Includes Removal, Packaging, Transporting, & Disposal as Contaminated PCB Waste <50 PPM*	25 LF
East Face throughout Vertical and Horizontal	White Caulking Compound *Includes Removal, Packaging, Transporting, & Disposal as Contaminated PCB Waste <50 PPM*	500 LF
Doorway to 2nd Floor Lobby	Gray Caulking Compound *Includes Removal, Packaging, Transporting, & Disposal as Contaminated PCB Waste <50 PPM*	30 LF
Building B		
Blue Brick to Window Frame	White Caulking Compound *Includes Removal, Packaging, Transporting, & Disposal as Contaminated PCB Waste <50 PPM*	40 LF

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 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.
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_L) - 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 of 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
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), 7611.61, 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 ≥ 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^2).
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 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 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_L 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 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_L 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 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 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 another 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 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 respirator 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 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_L 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 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 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 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 24-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 consultant shall be informed 24-hours prior to the time that the inspection is needed. 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_L 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_L 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. 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.

B. 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.

C. The Contractor shall ensure that the person transporting the waste holds a valid permit issued in accordance with appropriate federal, state, and local regulations.

D. 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.

E. 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.

F. 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.

G. 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.

H. 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.

I. 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.

J. 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.

K. 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.

L. 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.

M. 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).

N. 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).

O. 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.

P. 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 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/ft3 (2,700 kN-m/m3))
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 2316 - ROCK EXCAVATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes

1. Rock excavation for trenches and structures.

B. Related Sections

1. Section 31 2300 – Excavation, Backfill, Compaction and Dewatering

1.2 DESCRIPTION

A. Removal of boulders greater than 1 cubic yard in volume is included under this Section of work. Removal of boulders under 1 cubic yard in volume is not considered part of this work and is considered a part of the work specified under Section 31 2300.

B. Rock excavation shall mean solid ledge rock or solid concrete which in the opinion of the Engineer requires for its removal, drilling and blasting, wedging, sledging, firing, or breaking up with power operated hand tools.

C. Material removed solely with a power-operated excavator or loose, previously blasted ledge, broken stone, weathered rock, cemented gravel, hardpan, glacial till, concrete, asphalt or masonry which may be encountered during trenching operations is not considered rock excavation.

1.3 SUBMITTALS

A. Construction methods that will be utilized for the removal of rock on the project.

B. Qualifications of professional blasting Consultant and a pre-blast survey.

C. A description of the proposed method for blasting, prior to beginning any blasting operations, detailing the proposed methods of blasting including the type of information to be included in the blasting monitoring seismograph reports.

1. Seismograph reports shall include plan of drilling, amount and type of loadings, kind and distribution of blasting caps, delays used and amount of explosive per day, order of firing, distance and direction of recording station from blast area, type of ground at recording station, time of readings displacements and frequency, copy or record, and brief discussion on vibratory effects.

D. Conduct pre-blast structure survey prior to start of blasting.

1. Conduct pre-blast structure survey on structures within areas affected by work that may be damaged by blasting. Include aboveground structures within at least 200 feet of areas to be blasted.

2. The purpose of the survey is to document existing conditions of structures prior to blasting. The survey is intended to be used as evidence in ascertaining whether and to what extent damage may have occurred as a result of blasting.
3. Record information for each structure surveyed:

    a. Age and type of construction
    b. Location and character of cracks
    c. Evidence of settlement and leakage
    d. Other pertinent information

4. Record pre-blast survey information on forms prepared specifically for pre-blast surveys.
5. Supplement written records with photographs or videotape recording.
6. Submit copies of written records and photographs or videotapes to respective property owner, as well as to the Engineer with the property owner's permission, prior to the start of blasting.

E. Blasting records - For each blast, document the following:

1. Location of blast in relation to Project Stationing or coordinate systems and elevation.
2. Date and times of loading and detonation of blast.
3. Name of person in responsible charge of loading and firing.
4. Details of blast design, as previously specified.
5. Vibration records including location and distance of seismograph geophones to blast and to nearest structure and measured peak particle velocity. Report peak particle velocity in units of inches per second.
6. Air-blast records. Report peak air blast values in units of pounds per square inch overpressure above atmospheric or in decibels at linear response.
7. Comments by blaster in charge regarding damage to existing facilities, adjacent property, or completed work, misfires, fly rock occurrences, unusual results, or unusual effects.

PART 2 - PRODUCTS – NOT USED
PART 3 - EXECUTION

3.1 BLASTING

A. Comply with OSHA, State and Local regulations when blasting and handling explosives.

1. Local Fire Department approval is required for all blasting operations. A pre-blast survey must be completed. The Fire Chief or his designated representative must witness the survey.

B. Assume full responsibility for the safety of the blasting operations and perform the work in a manner that will ensure the safety of personnel and that of existing structures, adjacent buildings, and completed new construction. The Contractor will be held responsible for claims for damage to property and underground structures. Repair in kind utilities, pipelines or house services damaged while conducting pre-drilling and blasting activities. Repair and maintain roadway and paved surfaces that are cracked or damaged during the course of pre-drilling and blasting. The pay limits for paving repair shall be as noted, regardless of the limits of necessary roadway repairs due to blasting.

C. Comply with current OSHA regulations as well as engage the services of a qualified, professional blasting Consultant who will design, review, evaluate and modify the blasting operations. Design the initial blasts and conduct test blasts (minimum four tests) until regular production-controlled blast patterns are developed that produce the desired rate of excavation while meeting the requirements for vibration and air blast control specified. Periodically, or when requested by the Engineer, review the blasting operations and make such changes in the blasting operations as are required to produce a controlled blasting operation meeting the requirements of these specifications. Review by the Engineer of the Contractor's blast design shall not relieve the responsibility for obtaining adequate rock breakage.

D. Provide adequate notice to residents that may be affected by the use of explosives. In residential areas, provide the following:

1. Certificate of Insurance to cover a blasting operation.
2. Evidence that residential homes have been reviewed to satisfy all parties that pre-construction conditions are well documented.

E. Blasting Design Criteria

1. Exercise care in the drilling and blasting operations so that the remaining rock remains stable and to reduce overbreak to a minimum.
2. Control blasting by limiting the charge per delay to that which produces limited levels of ground vibrations as herein specified. Hire a qualified testing agency to measure the radial particle velocities using a seismograph. Peak radial particle velocity shall be the measure of the level of vibration.
3. The charge weight per delay used in blasting shall be such that the peak radial particle velocity shall not exceed 2.0 inches per second measured on the foundation material, rock, or overburden at the nearest structure. The Contractor shall modify the size and type of explosives used to meet this criteria or other limiting criteria.
4. For areas where controlled blasting is required, the charge weight per delay shall be such that the peak radial particle velocity shall not exceed 1.0 inch per second.
5. Air blast overpressures from blasting operations shall not exceed 0.02 psi.
6. The maximum depth of lift to be removed at any one time shall not exceed 6 feet.

7. Use blasting mats, chained logs, warning signs, guards, etc., in accordance with the best practice.
8. All blasting operations shall be done by electronic or non-electric detonation.
9. Restrict blasting to daylight hours. In no case will blasting operations be permitted before 8:00 AM or after 5:00 PM.
10. These criteria may be adjusted by the Owner, if the blasting procedures based on monitoring results or in the opinion of the Owner are likely to be disruptive to nearby businesses, people, or to cause damage to structures. These changes may require the Contractor to revise blast design and reduce the size of charges.

F. In areas where the Contractor is allowed to pre-drill and blast ledge or rock formations without first removing the over-burden, the Contractor shall be required to firmly establish a profile of the solid ledge or rock that cannot be ripped free by the excavating machine. The actual pay quantities will be based on the inspector's determination of the actual profile and extent of the rock formations drilled and blasted by the Contractor and his verification of the rock formations once the trench has been opened.

G. Minimum excavation and clearance within rock trenches shall be per Section 31 2300.

H. The use of perchlorate containing explosives is prohibited.

3.2 BACKFILL

A. Backfill must be with material from the excavation or where the excavated material is considered unsuitable for backfill, with material wasted from other area of the job or, when directed by the Engineer in writing, with ordinary borrow. No stones, rocks, or boulders shall be used as backfill.

B. Minimum pipe bedding requirements shall be per Section 31 2300.

END OF SECTION 31 2316

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 µm (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^3).
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	--

1¼″	85	100
¾″	10	40
½″	0	8

5. Stone gradations shall vary depending on field use and shall be determined by Owner's Project Representative.

B. ½-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
½″	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	-
¾″	90	100
½”	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 15th to June 1st, and from August 15th to October 1st, 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 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. 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:

	PERCENTAGE FINER
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

FUSS & O'NEILL
One Financial Plaza, 15th Floor
Hartford, CT 06103
860.646.2469
www.fando.com

Limited Hazardous Building Materials Inspection

Inspection Dates:
May 29, June 7, August 1, August 20, and September 17, 2024

794-810 and 832-850 Silver Lane
East Hartford, Connecticut

Capital Regional Development Authority
Hartford, Connecticut

September 27, 2024

FUSS & O'NEILL
One Financial Plaza, 15th Floor
Hartford, CT 06103
860.646.2469
www.fando.com

September 27, 2024

Ms. Erica Levis
Capital Region Development Authority
100 Columbus Boulevard, 5th Floor
Hartford, CT 06103-2819

Re: Limited Hazardous Building Materials Inspection
794-810 and 832-850 Silver Lane
East Hartford, Connecticut
Fuss & O'Neill Project No. 20230389.A11

Dear Ms. Levis:

Enclosed is the report for the limited hazardous building materials inspection conducted in response to the proposed demolition for the properties located at 794-810 and 832-850 Silver Lane, East Hartford, Connecticut (the "Site"). The work was conducted for Capital Region Development Authority (the "Client").

The services were performed on May 29, July 7, August 1, August 20, and September 17, 2024 by Fuss & O'Neill, Inc. licensed inspectors and included a limited asbestos-containing material (ACM) inspection, lead-based paint (LBP) determination, sampling for polychlorinated biphenyls (PCBs) in source building materials, PCB bulk 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 3, 2024.

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.

Sincerely,

Carlos Texidor
Associate

CT/kr

Enclosure

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794-810 and 832-850 Silver Lane, East Hartford, CT
Capital Region Development Authority

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1 Introduction

On May 29, 2024, Fuss & O'Neill, Inc. (Fuss & O'Neill) representatives Craig Cyr and Felix Revoir performed a limited hazardous building materials inspection for the proposed demolition at 794-810 and 832-850 Silver Lane, East Hartford, Connecticut (the "Site"). On September 17, 2024, Fuss & O'Neill representative Stacy Vanderveer performed a limited hazardous building materials inspection at 808-810 Silver Lane. The work was conducted for Capital Region Development Authority (the "Client") in accordance with our written scope of services dated May 3, 2024, and is subject to the limitations included in *Appendix A*.

The limited inspection included the following:

- Limited asbestos-containing material (ACM) inspection;
- Lead-based paint (LBP) determination;
- Polychlorinated biphenyls (PCB) bulk sampling; and
- PCB-containing light ballasts and mercury-containing equipment inventory.

This limited hazardous building materials inspection was performed in response to the proposed demolition activities and included the entire building/facility, including exterior and roof, if applicable.

This inspection was not limited to non-invasive and discrete sampling techniques. Specific areas that were not inspected include the following:

- Within mechanical equipment;

We have not excluded collection and analysis of building materials for PCBs. Sampling for PCBs is presently not mandated by the Environmental Protection Agency (EPA); however, significant liability risk for disposing of PCB-containing wastes exists. Recent knowledge of PCBs within these matrices has become more prevalent, especially with 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 this possible contaminant prior to renovation or demolition.

1.1 Building and Mechanical System Description

Building A structure includes 2 stories with no basement, and was reportedly constructed in 1965. The building contains approximately 36,200 square feet (SF) of total floor area. According to City of East Hartford, renovations to the building were conducted in 1989. The building is heated by gas forced air and air conditioning (HVAC) units.

Building B structure includes one stories with no basement, and was reportedly constructed in 1958. The building contains approximately 21,131 square feet (SF) of total floor area. According to City of East Hartford, renovations to the building were conducted in 1984. The building is heated by gas forced air and air conditioning (HVAC) units.

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 May 29, 2024, Mr. Craig Cyr and Mr. Felix Revoir of Fuss & O'Neill conducted the limited inspection. On September 17, 2024, Ms. Stacy Vanderveer conducted an additional limited inspection. Mr. Cyr, Mr. Revoir and Ms. Vanderveer 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 limited 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 compounds, 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) and EMSL Analytical, Inc. (EMSL), for analysis. SAI and EMSL are both State of Connecticut-licensed and American Industrial Hygiene Association (AIHA)-accredited asbestos laboratories. 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. Hard enclosures or obstructed areas typically include, but are not limited to, the following:

- Wall cavities;
- Pipe chases;
- Spaces above fixed ceilings;
- Foundation walls;
- Spaces behind the brick façade;
- Areas behind equipment (including freezers and refrigeration units);
- Behind mirrors, blackboards and signage; and
- Vapor/moisture barrier under floors or on concrete foundations.

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:

- Gray cementitious walkway perforated ceiling panels
- Black/white walkway seam caulk
- White vertical tacky caulk
- 4-Ply Tar roof edge flashing
- Silver paint on roof vent/equipment flashings

- White caulk on roof vent/equipment
- Gray perforated cementitious walkway ceiling panels
- Light gray walkway-building horizontal caulk
- White vertical blue brick-window frame caulk
- Black vertical brick-window frame caulk
- Tan/gray vertical frame seam caulk
- White door frame caulk
- Black floor mastic & associated floor tiles
- Tape & joint compound
- Mudded fitting insulation
- Dark brown glue daubs associated with 1'x1' ceiling tiles.

Refer to **Table 1** for a complete list of ACM and non-ACM sampled as part of this limited 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 (≥ 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). 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 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.

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 demolition that may disturb hidden/inaccessible areas, we recommend conducting a supplemental asbestos inspection of these areas and spaces:

- Pipe Chases behind walls

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 May 28, 2024, and June 4-7, 2024, Mr. Felix Revoir and Craig Cyr of Fuss & O'Neill performed a lead-based paint (LBP) determination associated with coated building components at the Sites that may be disturbed during demolition activities. On September 17, 2024, Ms. Stacy Vanderveer performed an LBP determination of coated building components in 808-810 Silver Lane. 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 Radiation Monitoring Device Model LPA-1, 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^2) 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^2 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 potential demolition work. The following building components were determined to contain levels of lead (equal to or greater than 1.0 mg/cm^2) by XRF:

- Brick walls

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 possible selective demolition and/or renovation work was collected 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 or 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 collected a representative sample for TCLP analysis; refer to Section 4. 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.

Note that future work involving surface preparation of identified painted surface(s) must be performed in accordance with OSHA worker protection requirements.

Those surfaces which do not contain LBP are not subject to the RRP 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^2 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. Felix Revoir 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.

EMSL Analytical, Inc., of Cinnaminson, New Jersey, analyzed the composite sample. EMSL is a State of 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, 0.444 mg/L and is therefore, not classified as a hazardous waste. Refer to *Appendix G* 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 Presumed PCB-Containing Source Building Materials Inspection

Sampling of building materials for polychlorinated biphenyls (PCBs) is presently not mandated by the EPA. However, significant liability exists for building owners who improperly dispose of a PCB-containing waste

material. Recent knowledge and awareness of PCBs within matrices has become more prevalent, especially amongst remediation contractors, waste haulers, and disposal facilities.

Presently, building materials containing PCBs at concentrations equal to or greater than (≥) 50 parts per million (ppm) or the equivalent units of milligrams per kilogram (mg/kg) are regulated by the EPA and characterized as PCB Bulk Product. Building 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. Building materials determined to be Excluded PCB Product containing > 1 ppm PCBs but < 50 ppm PCBs are regulated by the CTDEEP. Building materials containing ≤ 1 ppm PCBs are considered non-regulated.

Additionally, the identification of building materials containing regulated PCBs requires additional testing of the adjacent porous surfaces and/or soils, asphalts, and concrete located below source materials. The building materials adjacent to the regulated PCB material must be tested to determine if the adjacent materials are PCB contaminated and may also be considered PCB Bulk Products, if disposed with source materials. Soils, asphalts, and concrete located below source materials must be tested to determine if the materials are PCB contaminated and considered PCB Remediation Waste.

5.1 Methodology

On August 1, 2024, Mr. Felix Revoir and Mr. Craig Cyr performed a visual inspection of caulking and glazing scheduled to be impacted by the proposed Project as materials which may contain PCBs.

5.2 Observations

The following materials are suspect PCB-containing materials that will be impacted by the demolition activities:

- Second Floor Window Caulking
- Second Floor Window Glazing

5.3 Conclusions and Recommendations

At a minimum, Fuss & O'Neill recommends the window caulking and window glazing scheduled to be removed during the Project be presumed to contain PCBs and handled and disposed of in accordance with EPA regulations as PCB Bulk Product Waste. As the material will be removed during demolition.

Fuss & O'Neill recommends that a comprehensive scope of work and technical specification for presumed PCB remediation during demolition be developed as part of Site demolition plans.

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 building owner, architect, construction manager, general contractors, and contractors in locating presumed PCB-containing materials.

6 Polychlorinated Biphenyls (PCBs) Bulk Sample Analysis

6.1 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 and 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 (≥) 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. Building materials determined to be Excluded PCB Product containing > 1 ppm PCBs but < 50 ppm PCBs are regulated by the CTDEEP. Building materials containing ≤ 1 ppm PCBs are considered non-regulated.

6.2 Sampling

Bulk Sampling of Source Materials

On August 1, 2024, Mr. Felix Revoir collected thirty six (36) bulk samples of building materials 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 Non-disposable tools to collect the samples. Non-disposable tools used to collect PCB samples were cleaned prior to and after collecting samples with a hexane and soap/water process. Each sample was placed in an individual container, labeled, and delivered to Phoenix Environmental Laboratories, Manchester, Connecticut, 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 ≥ 50 ppm. However, if PCBs 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.

6.3 Results

Fuss & O'Neill collected a total of 36 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 August 1, 2024.

6.4 Conclusions

Fuss & O'Neill collected bulk samples for PCB analysis. The analytical results indicated the materials contained regulated concentrations of PCBs ≥ 50 ppm. These materials include the following:

Building A - Plaza Building 794-810:

- Old gray expansion caulk between front covered walkway and building;
- Black walkway repair caulk center-east of front walkway; and
- White caulk used throughout East face of building at vertical and horizontal joints.

Building B - Plaza Building 832-850:

- White caulk in vertical joint between blue brick and window frames.

6.5 Adjacent Substrate Sampling

On August 20, 2024, Mr. Felix Revoir 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 form 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.

The collected samples were delivered to Phoenix Labs for PCB analysis. The analytical method for analysis included extraction method 3540C and analysis method SW846 8082.

6.6 Substrate Sample Results

None of the following substrate material were reported to contain PCBs > 1 ppm, but < 50 ppm:

Building A

- Concrete (associated with walkway to building old gray caulk)
- Concrete (associated with walkway repair black caulk)
- Brick (associated with East Horizontal and Vertical Faces white caulk)
- Stone (associated with 2nd Floor Lobby Doorway gray caulk)

Building B

- Concrete (associated with walkway to building white caulk)
- Blue Brick (associated with Window Frame white 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.

6.7 Conclusions

Fuss & O'Neill collected bulk building material samples for PCB analysis. Analytical results identified materials to contain CT DEEP and EPA regulated concentration of PCBs to be present at the Site. Samples collected of porous substrates adjacent to source materials identified to contain PCBs did not identify PCBs in substrates at CT DEEP or EPA regulated concentrations.

7 PCB-Containing Fluorescent Light Ballasts and Mercury-Containing Equipment

7.1 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 June 4-7, 2024, Fuss & O'Neill representatives, Mr. Craig Cyr & Mr. Felix Revoir 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.

7.2 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.

On June 4-7, 2024, Fuss & O'Neill representatives, Mr. Craig Cyr and Mr. Felix Revoir, performed an inventory of mercury equipment. These fixtures were inventoried in-place. Refer to **Table 6** for the Mercury-Containing Equipment Inventory.

Report prepared by Environmental Technician, Felix Revoir, 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
Building A - Exterior				
01A-CC-052924	Building A – SE Corner	Red Brick	ND	PLM
01B-CC-052924	Building A – NW Corner	Red Brick	ND	PLM
02A-CC-052924	Building A – SE Corner	Gray Mortar Associated with Red Brick	ND	PLM
02B-CC-052924	Building A – NW Corner	Gray Mortar Associated with Red Brick	ND	PLM
03A-CC-052924	Building A – E Side Center Right	2”X2” Green Ceramic Tile	ND	PLM
03B-CC-052924	Building A – E Side Center Right	2”X2” Green Ceramic Tile	ND	PLM
03C-CC-052924	Building A – E Side Center Right	2”X2” Green Ceramic Tile	ND	PLM
04A-CC-052924	Building A – E Side Center Right	1”X2” Light Green Ceramic Tile	ND	PLM
04B-CC-052924	Building A – E Side Center Right	1”X2” Light Green Ceramic Tile	ND	PLM
04C-CC-052924	Building A – E Side Center Right	1”X2” Light Green Ceramic Tile	ND	PLM
05A-CC-052924	Building A – E Side Center Right	1”X1” Light Green Ceramic Tile	ND	PLM
05B-CC-052924	Building A – E Side Center Right	1”X1” Light Green Ceramic Tile	ND	PLM
05C-CC-052924	Building A – E Side Center Right	1”X1” Light Green Ceramic Tile	ND	PLM
06A-CC-052924	Building A – E Side Center Right	White Grout Associated With 2”X2” Green Tile	ND	PLM
06B-CC-052924	Building A – E Side Center Right	White Grout Associated With 1”X2” Light Green Tile	ND	PLM
06C-CC-052924	Building A – E Side Center Right	White Grout Associated With 1”X1” Light Green Tile	ND	PLM
07A-CC-052924	Building A – E Side Center Right	Gray Thin Set Associated With 2”X2” Green Tile	ND	PLM
07B-CC-052924	Building A – E Side Center Right	Gray Thin Set Associated With 1”X2” Light Green Tile	ND	PLM
07C-CC-052924	Building A – E Side Center Right	Gray Thin Set Associated With 1”X1” Light Green Tile	ND	PLM
08A-CC-052924	Building A – E Side Center Right	Light Tan ½” Drywall Under Green Tiles	ND	PLM
08B-CC-052924	Building A – E Side Center Right	Light Tan ½” Drywall Under Green Tiles	ND	PLM
08C-CC-052924	Building A – E Side Center Right	Light Tan ½” Drywall Under Green Tiles	ND	PLM
09A-CC-052924	Building A – SE Corner	Gray Mortar/Thin Set Associated with Gray-Blue Slate	ND	PLM
09B-CC-052924	Building A – SE Corner	Gray Mortar/Thin Set Associated with Gray-Blue Slate	ND	PLM
09C-CC-052924	Building A – SE Corner	Gray Mortar/Thin Set Associated with Gray-Blue Slate	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
10A-CC-052924	Building A – E Side Center	Gray Mortar Associated with Stone Masonry Wall	ND	PLM
10B-CC-052924	Building A – E Side Center	Gray Mortar Associated with Stone Masonry Wall	ND	PLM
11A-CC-052924	**Building A – E Side Throughout**	**Gray Cementitious Walkway Perforated Ceiling Panel**	**17% Chrysotile**	**PLM**
11B-CC-052924	**Building A – E Side Throughout**	**Gray Cementitious Walkway Perforated Ceiling Panel**	**NA/Pos Stop**	**----------**
12A-CC-052924	Building A – Interior N 2nd Floor Window	Gray Window Glazing	ND	PLM
12B-CC-052924	Building A – Interior S 2nd Floor Window	Gray Window Glazing	ND	PLM
13A-CC-052924	**Building A – E Side Center**	**Black/White Walkway Seam Calk**	**3% Chrysotile**	**PLM**
13B-CC-052924	**Building A – E Side Center**	**Black/White Walkway Seam Calk**	**NA/Pos Stop**	**----------**
14A-CC-052924	Building A – E Side 2nd Floor Exterior	Gray 4”X4” Ceramic Tile	ND	PLM
14B-CC-052924	Building A – E Side 2nd Floor Exterior	Gray 4”X4” Ceramic Tile	ND	PLM
14C-CC-052924	Building A – E Side 2nd Floor Exterior	Gray 4”X4” Ceramic Tile	ND	PLM
15A-CC-052924	Building A – E Side 2nd Floor Exterior	White Thin Set/Grout Associated with Gray 4”X4” Tile	ND	PLM
15B-CC-052924	Building A – E Side 2nd Floor Exterior	White Thin Set/Grout Associated with Gray 4”X4” Tile	ND	PLM
15C-CC-052924	Building A – E Side 2nd Floor Exterior	White Thin Set/Grout Associated with Gray 4”X4” Tile	ND	PLM
16A-CC-052924	Building A – E Side 2nd Floor Lobby Doorframe	Gray Hard Caulk	ND	PLM
16B-CC-052924	Building A – E Side 2nd Floor Lobby Doorframe	Gray Hard Caulk	ND	PLM
17A-CC-052924	Building A – N 2nd Floor Window Frame	White Caulk	ND	PLM
17B-CC-052924	Building A – S 2nd Floor Window Frame	White Caulk	ND	PLM
18A-CC-052924	**Building A – E Side, N End**	**White Vertical Tacky Calk**	**6% Chrysotile**	**PLM**
18B-CC-052924	**Building A – E Side, S End**	**White Vertical Tacky Calk**	**NA/Pos Stop**	**----------**
19A-CC-052924	Building A – E Side, N End	Light Gray Walkway – Building Horizontal Joint Caulk	ND	PLM
19B-CC-052924	Building A – E Side, Center	Light Gray Walkway – Building Horizontal Joint Caulk	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
20A-CC-052924	Building A – E Side, N End	New White Walkway – Building Horizontal Joint Caulk	ND	PLM
20B-CC-052924	Building A – E Side, N End	New White Walkway – Building Horizontal Joint Caulk	ND	PLM
21A-CC-052924	Building A – E Side Center Left	Gray Vertical Frame – Frame Caulk	ND	PLM
21B-CC-052924	Building A – E Side Center Left	Gray Vertical Frame – Frame Caulk	ND	PLM
22A-CC-052924	Building A – W Side, N End	Gray Door Frame/ Louver Caulk	ND	PLM
22B-CC-052924	Building A – W Side Center Right	Gray Door Frame/ Louver Caulk	ND	PLM
23A-CC-052924	Building A – E Side Throughout	Black Tar/Cork Walkway Expansion Joint	ND	PLM
23B-CC-052924	Building A – E Side Throughout	Black Tar/Cork Walkway Expansion Joint	ND	PLM
24A-CC-052924	Building A – S Side Bank Drive Through Window	Clear/White Caulk	ND	PLM
24B-CC-052924	Building A – S Side Bank Drive Through Window	Clear/White Caulk	ND	PLM
25A-CC-052924	Building A – W Side, S End	Silver Door Frame/ Window Caulk	ND	PLM
25B-CC-052924	Building A – W Side, S End	Silver Door Frame/ Window Caulk	ND	PLM
26A-CC-052924	Building A – E Side, S End	Black Caulk Around Bank Mail Drop	ND	PLM
26B-CC-052924	Building A – E Side, S End	Black Caulk Around Bank Mail Drop	ND	PLM
27A-CC-052924	Building A – W Side, S End	Clear Caulk on Door Fame	ND	PLM
27B-CC-052924	Building A – W Side, S End	Clear Caulk on Louver	ND	PLM
27C-CC-052924	Building A – E Side, N End	Clear Caulk on Window Support	ND	PLM
Building A - Interior, Second Floor				
01A-060724-FR	Northwest Room – D Wall	½" Drywall - White	ND	PLM
01B-060724-FR	Southeast Dentist – B Wall	½" Drywall - White	ND	PLM
01C-060724-FR	Room 205 – B Wall	½" Drywall - White	ND	PLM
01D-060724-FR	Room 201 – C Wall	½" Drywall - White	ND	PLM
01E-060724-FR	Northeast Room – A Wall	½" Drywall - White	ND	PLM
01F-060724-FR	Kids Dentists – D Wall	½" Drywall - White	ND	PLM
01G-060724-FR	Northeast Dentist – B Wall	½" Drywall - White	ND	PLM
02A-060724-FR (Joint compound)	**Northwest Room – D Wall**	**Tape & Joint Compound - White**	**3% Chrysotile**	**PLM**
02A-060724-FR (Tape)	Northwest Room – D Wall	Tape & Joint Compound - White	ND	PLM
02B-060724-FR (Joint Compound)	Southeast Dentist – B Wall	Tape & Joint Compound - White	Not Analyzed	----------

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
02B-060724-FR (Tape)	Southeast Dentist – B Wall	Tape & Joint Compound - White	ND	PLM
02C-060724-FR (Joint compound)	Room 205 – B Wall	Tape & Joint Compound - White	Not Analyzed	----------
02C-060724-FR (Tape)	Room 205 – B Wall	Tape & Joint Compound - White	ND	PLM
02D-060724-FR (Joint Compound)	Room 201 – C Wall	Tape & Joint Compound - White	Not Analyzed	----------
02D-060724-FR (Tape)	Room 201 – C Wall	Tape & Joint Compound - White	ND	PLM
02E-060724-FR	Northeast Room – A Wall	Tape & Joint Compound - White	Not Analyzed	----------
02E-060724-FR	Northeast Room – A Wall	Tape & Joint Compound - White	ND	PLM
02F-060724-FR	Kids Dentists – D Wall	Tape & Joint Compound - White	Not Analyzed	----------
02F-060724-FR	Kids Dentists – D Wall	Tape & Joint Compound - White	ND	PLM
02G-060724-FR	Northeast Dentist – B Wall	Tape & Joint Compound - White	Not Analyzed	----------
02G-060724-FR	Northeast Dentist – B Wall	Tape & Joint Compound - White	ND	PLM
03A-060724-FR	**Northeast Dentist**	**Floor Mastic on Concrete associated with Brown 9”x9” Vinyl Floor Tile – Black**	**6% Chrysotile**	**PLM**
03B-060724-FR	Hair Salon	Floor Mastic on Concrete associated with Black & Grey 1’x1’ Vinyl Floor Tile – Black	Not Analyzed	----------
03C-060724-FR	Elevator Closest	Floor Mastic on Concrete associated with Green 9”x9” Vinyl Floor Tile – Black	Not Analyzed	----------
04A-060724-FR	Hair Salon – North	1’x1’ Vinyl Floor Tile - Black	Not Analyzed	----------
04B-060724-FR	Hair Salon – South	1’x1’ Vinyl Floor Tile - Black	Not Analyzed	----------
05A-060724-FR	Hair Salon – North	1’x1’ Vinyl Floor Tile – Grey	Not Analyzed	----------
05B-060724-FR	Hair Salon – South	1’x1’ Vinyl Floor Tile – Grey	Not Analyzed	----------
06A-060724-FR	Northeast Room – Extras	1’x1’ Vinyl Floor Tile - Black	Not Analyzed	----------
06B-060724-FR	Northeast Room – Extras	1’x1’ Vinyl Floor Tile - Black	Not Analyzed	----------
07A-060724-FR	Northeast Dentist	9”x9” Vinyl Floor Tile Under Blue 1‘x1’ Vinyl Floor Tile – Brown	Not Analyzed	----------
07B-060724-FR	Northeast Room	9”x9” Vinyl Floor Tile Under Blue 1‘x1’ Vinyl Floor Tile – Brown	Not Analyzed	----------
08A-060724-FR	Northeast Dentist	1’x1’ Vinyl Floor Tile – Dark Blue	Not Analyzed	----------
08B-060724-FR	Northeast Dentist	1’x1’ Vinyl Floor Tile – Dark Blue	Not Analyzed	----------
10A-060724-FR	Northeast Dentist	Adhesive associated with Dark Blue & Light Blue 1’x1’ Vinyl Floor Tile - Tan	Not Analyzed	----------
10B-060724-FR	Northeast Dentist	Adhesive associated with Dark Blue & Light Blue 1’x1’ Vinyl Floor Tile - Tan	Not Analyzed	----------

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
11A-060724-FR	Northeast Dentist	1’x1’ Vinyl Floor Tile – Light Blue	Not Analyzed	----------
11B-060724-FR	Southeast Dentist	1’x1’ Vinyl Floor Tile – Light Blue	Not Analyzed	----------
12A-060724-FR	Kids Dentist	1’x1’ Vinyl Floor Tile – Cream	Not Analyzed	----------
12B-060724-FR	Northeast Room Shelf	1’x1’ Vinyl Floor Tile – Cream	Not Analyzed	----------
13A-060724-FR	Elevator Closest	9”x9” Vinyl Floor Tile – Green	Not Analyzed	----------
13B-060724-FR	Elevator Closest	9”x9” Vinyl Floor Tile – Green	Not Analyzed	----------
14A-060724-FR	Kids Dentist	1’x1’ Vinyl Floor Tile – White	Not Analyzed	----------
14B-060724-FR	Kids Dentist	1’x1’ Vinyl Floor Tile – White	Not Analyzed	----------
15A-060724-FR	Kids Dentist	Adhesive associated with White & Cream 1’x1’ White Vinyl Floor Tile – Tan	Not Analyzed	----------
15B-060724-FR	Kids Dentist	Adhesive associated with White & Cream 1’x1’ White Vinyl Floor Tile – Tan	Not Analyzed	----------
16A-060724-FR	Kids Dentist	Self-Adhesive Sheet Floor – Wood Pattern	Not Analyzed	----------
16B-060724-FR	Kids Dentist	Self-Adhesive Sheet Floor – Wood Pattern	Not Analyzed	----------
17A-060724-FR	Kids Dentist	Adhesive associated with Wood Pattern Self-Adhesive Sheet Floor – Clear/Yellow	Not Analyzed	----------
17B-060724-FR	Kids Dentist	Adhesive Associated Wood Pattern Self-Adhesive Sheet Floor – Clear/Yellow	Not Analyzed	----------
18A-060724-FR	Northeast Room – Shelf	Self-Adhesive 1’x1’ Floor Tile – White/Tan	Not Analyzed	----------
18B-060724-FR	Northeast Room – Shelf	Self-Adhesive 1’x1’ Floor Tile – White/Tan	Not Analyzed	----------
19-060724- FR	Sample 19 Not Used			
20-060724-FR	Sample # 20 Not Used			
21A-060724-FR	Kids Dentist	Adhesive associated with Blue 2’x2’ Carpet Squares – Yellow/White	Not Analyzed	----------
21B-060724-FR	Kids Dentist	Adhesive associated with Blue 2’x2’ Carpet Squares – Yellow/White	Not Analyzed	----------
22A-060724-FR	Room 220	Adhesive/Mastic associated with Brown Carpet – Black/Yellow	Not Analyzed	----------
22B-060724-FR	Northwest Room	Adhesive/Mastic associated with Brown Carpet – Black/Yellow	Not Analyzed	----------
22C-060724-FR	Room 210	Adhesive/Mastic associated with Brown Carpet – Black/Yellow	Not Analyzed	----------
23-060724-FR	Sample # Not Used			

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
24A-060724-FR	Northeast Room	Adhesive associated with Grey Carpet - Yellow	Not Analyzed	----------
24B-060724-FR	Northeast Room	Adhesive associated with Grey Carpet - Yellow	Not Analyzed	----------
25-060724-FR	Sample # Not Used			
26A-060724-FR	Northeast Dentist	Adhesive associated with Brown Specked Carpet - Yellow	Not Analyzed	----------
26B-060724-FR	Northeast Dentist	Adhesive associated with Brown Specked Carpet – Yellow	Not Analyzed	----------
27-060724-FR	Sample # Not Used			
28A-060724-FR	Southeast Dentist	Adhesive associated with Grey W/ Tan Wiggles Carpet - Tan	Not Analyzed	----------
28B-060724-FR	Southeast Dentist	Adhesive associated with Grey W/ Tan Wiggles Carpet - Tan	Not Analyzed	----------
29A-060724-FR	Room 203	Carpet on Yellow/Black Adhesive/Mastic – Dark Brown	Not Analyzed	----------
29B-060724-FR	Room 205	Carpet on Yellow/Black Adhesive/Mastic – Dark Brown	Not Analyzed	----------
30A-060724-FR	Room 204	Adhesive & Red/Brown Carpet - White	Not Analyzed	----------
30B-060724-FR	Room 204	Adhesive & Red/Brown Carpet - White	Not Analyzed	----------
31A-060724-FR	Women's Bathroom	1"x1" Ceramic Floor Tile - Tan	Not Analyzed	----------
31B-060724-FR	Women's Bathroom	1"x1" Ceramic Floor Tile - Tan	Not Analyzed	----------
32A-060724-FR	Women's Bathroom	½"x1" Ceramic Floor Tile – Tan	Not Analyzed	----------
32B-060724-FR	Women's Bathroom	½"x1" Ceramic Floor Tile – Tan	Not Analyzed	----------
33A-060724-FR	Women's Bathroom	½"x½" Ceramic Floor Tile - Tan	Not Analyzed	----------
33B-060724-FR	Women's Bathroom	½"x½" Ceramic Floor Tile - Tan	Not Analyzed	----------
34A-060724-FR	Women's Bathroom	Thinset associated with Tan Ceramic Floor Tiles - Tan	Not Analyzed	----------
34B-060724-FR	Women's Bathroom	Thinset associated with Tan Ceramic Floor Tiles – Tan	Not Analyzed	----------
35A-060724-FR	Women's Bathroom	Grout associated with Tan Ceramic Floor Tiles – Grey	Not Analyzed	----------
35B-060724-FR	Women's Bathroom	Grout associated with Tan Ceramic Floor Tiles – Grey	Not Analyzed	----------
36A-060724-FR	Men's Bathroom	1"x1" Ceramic Floor Tile – Grey	Not Analyzed	----------
36B-060724-FR	Men's Bathroom	1"x1" Ceramic Floor Tile – Grey	Not Analyzed	----------
37A-060724-FR	Men's Bathroom	½"x1" Ceramic Floor Tile – Grey	Not Analyzed	----------
37B-060724-FR	Men's Bathroom	½"x1" Ceramic Floor Tile – Grey	Not Analyzed	----------
38A-060724-FR	Men's Bathroom	½"x½" Ceramic Floor Tile – Grey	Not Analyzed	----------
38B-060724-FR	Men's Bathroom	½"x½" Ceramic Floor Tile - Grey	Not Analyzed	----------

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
39A-060724-FR	Men's Bathroom	Thinset associated with Tan Ceramic Floor Tiles – Tan	Not Analyzed	----------
39B-060724-FR	Men's Bathroom	Thinset associated with Tan Ceramic Floor Tiles – Tan	Not Analyzed	----------
40A-060724-FR	Men's Bathroom	Grout associated with Tan Ceramic Floor Tiles – Dark Grey	Not Analyzed	----------
40B-060724-FR	Men's Bathroom	Grout associated with Tan Ceramic Floor Tiles – Dark Grey	Not Analyzed	----------
41A-060724-FR	Hair Salon	4" Vinyl Cove Base - Black	ND	PLM
41B-060724-FR	Hair Salon	4" Vinyl Cove Base – Black	ND	PLM
42A-060724-FR	Hair Salon	Adhesive associated with Black 4" Vinyl Cove Base – White	ND	PLM
42B-060724-FR	Hair Salon	Adhesive associated with Black 4" Vinyl Cove Base - White	ND	PLM
43A-060724-FR	Room 204	4" Vinyl Cove Base – Tan	ND	PLM
43B-060724-FR	Room 204	4" Vinyl Cove Base – Tan	ND	PLM
44A-060724-FR	Room 204	Adhesive associated with Tan 4" Vinyl Cove Base – Tan	ND	PLM
44B-060724-FR	Room 204	Adhesive associated with Tan 4" Vinyl Cove Base - Tan	ND	PLM
45A-060724-FR	Northeast Dentist	4" Vinyl Cove Base – Grey	ND	PLM
45B-060724-FR	Northeast Dentist	4" Vinyl Cove Base – Grey	ND	PLM
46A-060724-FR	Northeast Dentist	Adhesive associated with Grey 4" Vinyl Cove Base – Grey	ND	PLM
46B-060724-FR	Northeast Dentist	Adhesive associated with Grey 4" Vinyl Cove Base - Grey	ND	PLM
47A-060724-FR	Kids Dentist	4" Vinyl Cove Base - Black	ND	PLM
47B-060724-FR	Kids Dentist	4" Vinyl Cove Base – Black	ND	PLM
48A-060724-FR	Kids Dentist	Adhesive associated with Black 4" Vinyl Cove Base – Tan	ND	PLM
48B-060724-FR	Kids Dentist	Adhesive associated with Black 4" Vinyl Cove Base - Tan	ND	PLM
49A-060724-FR	Northeast Room	4" Vinyl Cove Base – Dark Brown	ND	PLM
49B-060724-FR	Northeast Room	4" Vinyl Cove Base – Dark Brown	ND	PLM
50A-060724-FR	Northeast Room	Adhesive associated with Dark Brown 4" Vinyl Cove Base – Tan	ND	PLM
50B-060724-FR	Northeast Room	Adhesive associated with Dark Brown 4" Vinyl Cove Base - Tan	ND	PLM
51A-060724-FR	Kids Dentist	4" Vinyl Cove Base – Brown/Grey	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
51B-060724-FR	Kids Dentist	4” Vinyl Cove Base – Brown/Grey	ND	PLM
52A-060724-FR	Kids Dentist	Adhesive associated with Brown/Grey 4” Vinyl Cove Base – Tan	ND	PLM
52B-060724-FR	Kids Dentist	Adhesive associated with Brown/Grey 4” Vinyl Cove Base - Tan	ND	PLM
53A-060724-FR	Southeast Dentist	4” Vinyl Cove Base – Blue	ND	PLM
53B-060724-FR	Southeast Dentist	4” Vinyl Cove Base – Blue	ND	PLM
54A-060724-FR	Southeast Dentist	Adhesive associated with Blue 4” Vinyl Cove Base – Tan	ND	PLM
54B-060724-FR	Southeast Dentist	Adhesive associated with Blue 4” Vinyl Cove Base - Tan	ND	PLM
55A-060724-FR	Northeast Dentist	4” Vinyl Cove Base – Tan	ND	PLM
55B-060724-FR	Northeast Dentist	4” Vinyl Cove Base – Tan	ND	PLM
56A-060724-FR	Northeast Dentist	Adhesive associated with Tan 4” Vinyl Cove Base – Tan	ND	PLM
56B-060724-FR	Northeast Dentist	Adhesive associated with Tan 4” Vinyl Cove Base - Tan	ND	PLM
57-060724-FR	Sample # Not Used			
58A-060724-FR	Room 203	Adhesive & Dk Brown/Grey 4” Carpet Cove Base – Yellow/Black	ND	PLM
58B-060724-FR	**Room 205**	**Adhesive & Dk Brown/Grey 4” Carpet Cove Base – Yellow/Black**	**3% Chrysotile**	**PLM**
59A-060724-FR	Southeast Dentist	Wallpaper & Adhesive – White Splatter & White	ND	PLM
59B-060724-FR	Southeast Dentist	Wallpaper & Adhesive – White Splatter & White	ND	PLM
60A-060724-FR (Wallpaper)	Southeast Dentist	Wallpaper & Adhesive – Grey Diagonal & Tan	ND	PLM
60A-060724-FR (Adhesive/Joint Compound inseparable)	**Southeast Dentist**	**Wallpaper & Adhesive – Grey Diagonal & Tan**	**2% Chrysotile**	**PLM**
60B-060724-FR (Wallpaper)	Southeast Dentist	Wallpaper & Adhesive – Grey Diagonal & Tan	ND	PLM
60B-060724-FR (Adhesive)	Southeast Dentist	Wallpaper & Adhesive – Grey Diagonal & Tan	Not Analyzed	----------
61A-060724-FR (Wallpaper)	Elevator Closet	Wallpaper & Adhesive – Green & Tan	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
61A-060724-FR (Adhesive)	Elevator Closet	Wallpaper & Adhesive – Green & Tan	ND	PLM
61B-060724-FR (Wallpaper)	Elevator Closet	Wallpaper & Adhesive – Grenn & Tan	ND	PLM
61B-060724-FR (Adhesive)	Elevator Closet	Wallpaper & Adhesive – Grenn & Tan	ND	PLM
62A-060724-FR (Wallpaper)	Southeast Dentist	Wallpaper & Adhesive – White Thin Vertical Line & Yellow	ND	PLM
62A-060724-FR (Adhesive)	Southeast Dentist	Wallpaper & Adhesive – White Thin Vertical Line & Yellow	ND	PLM
62B-060724-FR (Wallpaper)	Southeast Dentist	Wallpaper & Adhesive – White Thin Vertical Line & Yellow	ND	PLM
62B-060724-FR (Adhesive)	Southeast Dentist	Wallpaper & Adhesive – White Thin Vertical Line & Yellow	ND	PLM
63A-060724-FR (Wallpaper)	Northeast Room	Wallpaper & Adhesive – White W/ Red Strip & Tan	ND	PLM
63A-060724-FR (Adhesive)	Northeast Room	Wallpaper & Adhesive – White W/ Red Strip & Tan	ND	PLM
64B-060724-FR (Wallpaper)	Northeast Room	Wallpaper & Adhesive – White W/ Red Strip & Tan	ND	PLM
64B-060724-FR (Adhesive/Joint Compound inseparable)	**Northeast Room**	**Wallpaper & Adhesive – White W/ Red Strip & Tan**	**2% Chrysotile**	**PLM**
65A-060724-FR (Wallpaper)	Southeast Dentist	Wallpaper & Adhesive – Blue Thick Vertical Line & Yellow	ND	PLM
65A-060724-FR (Adhesive)	Southeast Dentist	Wallpaper & Adhesive – Blue Thick Vertical Line & Yellow	ND	PLM
65B-060724-FR (Wallpaper)	Southeast Dentist	Wallpaper & Adhesive – Blue Thick Vertical Line & Yellow	ND	PLM
65B-060724-FR (Adhesive)	Southeast Dentist	Wallpaper & Adhesive – Blue Thick Vertical Line & Yellow	ND	PLM
66A-060724-FR (Wallpaper)	Northeast Dentist	Wallpaper & Adhesive – Yellow & Tan	ND	PLM
66A-060724-FR (Adhesive)	Northeast Dentist	Wallpaper & Adhesive – Yellow & Tan	ND	PLM
66B-060724-FR (Wallpaper)	Northeast Dentist	Wallpaper & Adhesive – Yellow & Tan	ND	PLM
66B-060724-FR (Adhesive/Joint Compound inseparable)	**Northeast Dentist**	**Wallpaper & Adhesive – Yellow & Tan**	**2% Chrysotile**	**PLM**
67A-060724-FR	South End of Hallway	2'x2' Drop Ceiling Tile – Pinhole - White	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
67B-060724-FR	North End of Hallway	2'x2' Drop Ceiling Tile – Pinhole – White	ND	PLM
68A-060724-FR	Northeast Room	2'x4' Drop Ceiling Tile – Pinhole & Worm Tracks – White	ND	PLM
68B-060724-FR	Kids Dentist	2'x4' Drop Ceiling Tile – Pinhole & Worm Tracks – White	ND	PLM
69A-060724-FR	Kids Dentist	2'x2' Drop Ceiling Tile – Pinholes & Fissures - White	ND	PLM
69B-060724-FR	Kids Dentist	2'x2' Drop Ceiling Tile – Pinholes & Fissures - White	ND	PLM
70A-060724-FR	Southeast Dentist	Sink Undercoat – White	ND	PLM
70B-060724-FR	Southeast Dentist	Sink Undercoat - White	ND	PLM
71A-060724-FR	**Southeast Dentist**	**Sink Undercoat – Black**	**5% Chrysotile**	**PLM**
71B-060724-FR	Southeast Dentist	Sink Undercoat - Black	Not Analyzed	----------
72A-060724-FR	Southeast Dentist – Breakroom	Sink Undercoat – Grey	ND	PLM
72B-060724-FR	Southeast Dentist - Breakroom	Sink Undercoat – Grey	ND	PLM
73A-060724-FR	Northeast Dentist	Sink Undercoat – White	ND	PLM
73B-060724-FR	Northeast Dentist	Sink Undercoat - White	ND	PLM
74A-060724-FR	**Northeast Dentist**	**Sink Undercoat – Black**	**5% Chrysotile**	**PLM**
74B-060724-FR	Northeast Dentist	Sink Undercoat - Black	Not Analyzed	----------
75A-060724-FR	Northeast Dentist	Sink Undercoat – Grey	ND	PLM
75B-060724-FR	Northeast Dentist	Sink Undercoat – Grey	ND	PLM
76A-060724-FR	Kids Dentist	Sink Undercoat – White	ND	PLM
76B-060724-FR	Kids Dentist	Sink Undercoat - White	ND	PLM
77A-060724-FR	Kids Dentist	Sink Undercoat – Black	ND	PLM
77B-060724-FR	Kids Dentist	Sink Undercoat - Black	ND	PLM
78A-060724-FR (Countertop)	Southeast Dentist	Laminate Countertop & Adhesive – Teal & Clear	ND	PLM
78A-060724-FR (Countertop)	Southeast Dentist	Laminate Countertop & Adhesive – Teal & Clear	ND	PLM
78B-060724-FR (Adhesive)	Southeast Dentist	Laminate Countertop & Adhesive – Teal & Clear	ND	PLM
79A-060724-FR (Countertop)	Southeast Dentist	Laminate Countertop & Adhesive – Pink & Clear	ND	PLM
79A-060724-FR (Adhesive)	Southeast Dentist	Laminate Countertop & Adhesive – Pink & Clear	ND	PLM
79B-060724-FR (Countertop)	Southeast Dentist	Laminate Countertop & Adhesive – Pink & Clear	ND	PLM
79B-060724-FR (Adhesive)	Southeast Dentist	Laminate Countertop & Adhesive – Pink & Clear	ND	PLM
80A-060724-FR (Countertop)	Southeast Dentist	Laminate Countertop & Adhesive – Grey & Yellow	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
80A-060724-FR (Adhesive)	Southeast Dentist	Laminate Countertop & Adhesive – Grey & Yellow	ND	PLM
80B-060724-FR (Countertop)	Southeast Dentist	Laminate Countertop & Adhesive – Grey & Yellow	ND	PLM
80B-060724-FR (Adhesive	Southeast Dentist	Laminate Countertop & Adhesive – Grey & Yellow	ND	PLM
81A-060724-FR (Countertop)	Southeast Dentist	Laminate Countertop & Adhesive – Tan & Yellow	ND	PLM
81A-060724-FR (Adhesive)	Southeast Dentist	Laminate Countertop & Adhesive – Tan & Yellow	ND	PLM
81B-060724-FR (Countertop)	Southeast Dentist	Laminate Countertop & Adhesive – Tan & Yellow	ND	PLM
81B-060724-FR (Adhesive)	Southeast Dentist	Laminate Countertop & Adhesive – Tan & Yellow	ND	PLM
82A-060724-FR (Countertop)	Southeast Dentist	Laminate Countertop & Adhesive – Blue & Yellow	ND	PLM
82A-060724-FR (Adhesive)	Southeast Dentist	Laminate Countertop & Adhesive – Blue & Yellow	ND	PLM
82B-060724-FR (Countertop)	Southeast Dentist	Laminate Countertop & Adhesive – Blue & Yellow	ND	PLM
82B-060724-FR (Adhesive)	Southeast Dentist	Laminate Countertop & Adhesive – Blue & Yellow	ND	PLM
83A-060724-FR (Countertop)	Southeast Dentist	Laminate Countertop & Adhesive – Tan & Green	ND	PLM
83A-060724-FR (Adhesive)	Southeast Dentist	Laminate Countertop & Adhesive – Tan & Green	ND	PLM
83B-060724-FR (Countertop)	Southeast Dentist	Laminate Countertop & Adhesive – Tan & Green	ND	PLM
83B-060724-FR (Adhesive)	Southeast Dentist	Laminate Countertop & Adhesive – Tan & Green	ND	PLM
84A-060724-FR (Countertop)	Northeast Dentist	Laminate Countertop & Adhesive – Wood Look & Red	ND	PLM
84A-060724-FR (Adhesive)	Northeast Dentist	Laminate Countertop & Adhesive – Wood Look & Red	ND	PLM
84B-060724-FR (Countertop)	Northeast Dentist	Laminate Countertop & Adhesive – Wood Look & Red	ND	PLM
84B-060724-FR (Adhesive)	Northeast Dentist	Laminate Countertop & Adhesive – Wood Look & Red	ND	PLM
85A-060724-FR (Countertop)	Northeast Dentist	Laminate Countertop & Adhesive – White & Red	ND	PLM
85A-060724-FR (Adhesive)	Northeast Dentist	Laminate Countertop & Adhesive – White & Red	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
85B-060724-FR (Countertop)	Northeast Dentist	Laminate Countertop & Adhesive – White & Red	ND	PLM
85B-060724-FR (Adhesive)	Northeast Dentist	Laminate Countertop & Adhesive – White & Red	ND	PLM
86A-060724-FR (Countertop)	Northeast Dentist	Laminate Countertop & Adhesive – Sand & Grey	ND	PLM
86A-060724-FR (Adhesive)	Northeast Dentist	Laminate Countertop & Adhesive – Sand & Grey	ND	PLM
86B-060724-FR (Countertop)	Northeast Dentist	Laminate Countertop & Adhesive – Sand & Grey	ND	PLM
86B-060724-FR (Adhesive)	Northeast Dentist	Laminate Countertop & Adhesive – Sand & Grey	ND	PLM
87A-060724-FR (Countertop)	Northeast Dentist	Laminate Countertop & Adhesive – Grey & Yellow	ND	PLM
87A-060724-FR (Adhesive)	Northeast Dentist	Laminate Countertop & Adhesive – Grey & Yellow	ND	PLM
87B-060724-FR (Countertop)	Northeast Dentist	Laminate Countertop & Adhesive – Grey & Yellow	ND	PLM
87B-060724-FR (Adhesive)	Northeast Dentist	Laminate Countertop & Adhesive – Grey & Yellow	ND	PLM
88A-060724-FR (Countertop)	Northeast Dentist	Laminate Countertop & Adhesive – Dark Brown & Yellow	ND	PLM
88A-060724-FR (Adhesive)	Northeast Dentist	Laminate Countertop & Adhesive – Dark Brown & Yellow	ND	PLM
88B-060724-FR (Countertop)	Northeast Dentist	Laminate Countertop & Adhesive – Dark Brown & Yellow	ND	PLM
88B-060724-FR (Adhesive)	Northeast Dentist	Laminate Countertop & Adhesive – Dark Brown & Yellow	ND	PLM
89A-060724-FR (Countertop)	Northeast Dentist	Laminate Countertop & Adhesive – White & Yellow	ND	PLM
89A-060724-FR (Adhesive)	Northeast Dentist	Laminate Countertop & Adhesive – White & Yellow	ND	PLM
89B-060724-FR (Countertop)	Northeast Dentist	Laminate Countertop & Adhesive – White & Yellow	ND	PLM
89B-060724-FR (Adhesive)	Northeast Dentist	Laminate Countertop & Adhesive – White & Yellow	ND	PLM
90A-060724-FR (Countertop)	Northeast Dentist	Laminate Countertop & Adhesive – Orange & Yellow	ND	PLM
90A-060724-FR (Adhesive)	Northeast Dentist	Laminate Countertop & Adhesive – Orange & Yellow	ND	PLM
90B-060724-FR (Countertop)	Northeast Dentist	Laminate Countertop & Adhesive – Orange & Yellow	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
90B-060724-FR (Adhesive)	Northeast Dentist	Laminate Countertop & Adhesive – Orange & Yellow	ND	PLM
91A-060724-FR (Countertop)	Kids Dentist	Laminate Countertop & Adhesive – Light Blue & Yellow	ND	PLM
91A-060724-FR (Adhesive)	Kids Dentist	Laminate Countertop & Adhesive – Light Blue & Yellow	ND	PLM
91B-060724-FR (Countertop)	Kids Dentist	Laminate Countertop & Adhesive – Light Blue & Yellow	ND	PLM
91B-060724-FR (Adhesive)	Kids Dentist	Laminate Countertop & Adhesive – Light Blue & Yellow	ND	PLM
92A-060724-FR (Countertop)	Kids Dentist	Laminate Countertop & Adhesive – Light Grey & Red	ND	PLM
92A-060724-FR (Adhesive)	Kids Dentist	Laminate Countertop & Adhesive – Light Grey & Red	ND	PLM
92B-060724-FR (Countertop	Kids Dentist	Laminate Countertop & Adhesive – Light Grey & Red	ND	PLM
92B-060724-FR (Adhesive)	Kids Dentist	Laminate Countertop & Adhesive – Light Grey & Red	ND	PLM
93A-060724-FR (Countertop)	Kids Dentist	Laminate Countertop & Adhesive – Grey & Clear	ND	PLM
93A-060724-FR (Adhesive)	Kids Dentist	Laminate Countertop & Adhesive – Grey & Clear	ND	PLM
93B-060724-FR (Countertop)	Kids Dentist	Laminate Countertop & Adhesive – Grey & Clear	ND	PLM
93B-060724-FR (Adhesive)	Kids Dentist	Laminate Countertop & Adhesive – Grey & Clear	ND	PLM
94A-060724-FR (Countertop)	Kids Dentist	Laminate Countertop & Adhesive – Light Grey & Clear	ND	PLM
94A-060724-FR (Adhesive)	Kids Dentist	Laminate Countertop & Adhesive – Light Grey & Clear	ND	PLM
94B-060724-FR (Countertop)	Kids Dentist	Laminate Countertop & Adhesive – Light Grey & Clear	ND	PLM
94B-060724-FR (Adhesive)	Kids Dentist	Laminate Countertop & Adhesive – Light Grey & Clear	ND	PLM
95A-060724-FR (Countertop)	Kids Dentist	Laminate Countertop & Adhesive – Light Blue & Yellow	ND	PLM
95A-060724-FR (Adhesive)	Kids Dentist	Laminate Countertop & Adhesive – Light Blue & Yellow	ND	PLM
95B-060724-FR (Countertop)	Kids Dentist	Laminate Countertop & Adhesive – Light Blue & Yellow	ND	PLM
95B-060724-FR (Adhesive)	Kids Dentist	Laminate Countertop & Adhesive – Light Blue & Yellow	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
96A-060724-FR (Countertop)	Kids Dentist	Laminate Countertop & Adhesive – Grey Textured & Clear	ND	PLM
96A-060724-FR (Adhesive)	Kids Dentist	Laminate Countertop & Adhesive – Grey Textured & Clear	ND	PLM
96B-060724-FR (Countertop)	Kids Dentist	Laminate Countertop & Adhesive – Grey Textured & Clear	ND	PLM
96B-060724-FR (Adhesive)	Kids Dentist	Laminate Countertop & Adhesive – Grey Textured & Clear	ND	PLM
97A-060724-FR (Countertop)	Hair Salon	Laminate Countertop & Adhesive – White & Red	ND	PLM
97A-060724-FR (Adhesive)	Hair Salon	Laminate Countertop & Adhesive – White & Red	ND	PLM
97B-060724-FR (Countertop)	Hair Salon	Laminate Countertop & Adhesive – White & Red	ND	PLM
97B-060724-FR (Adhesive)	Hair Salon	Laminate Countertop & Adhesive – White & Red	ND	PLM
98A-060724-FR (Countertop)	Hair Salon	Laminate Countertop & Adhesive – Black & Yellow	ND	PLM
98A-060724-FR (Adhesive)	Hair Salon	Laminate Countertop & Adhesive – Black & Yellow	ND	PLM
98B-060724-FR (Countertop)	Hair Salon	Laminate Countertop & Adhesive – Black & Yellow	ND	PLM
98B-060724-FR (Adhesive)	Hair Salon	Laminate Countertop & Adhesive – Black & Yellow	ND	PLM
99A-060724-FR	Women’s Bathroom – B Wall	4”x4” Ceramic Wall Tile - Pink	ND	PLM
99B-060724-FR	Women’s Bathroom – B Wall	4”x4” Ceramic Wall Tile - Pink	ND	PLM
100A-060724-FR	Women’s Bathroom – B Wall	Adhesive associated with Pink 4”x4” Ceramic Wall Tile – Tan	ND	PLM
100B-060724-FR	Women’s Bathroom – B Wall	Adhesive associated with Pink 4”x4” Ceramic Wall Tile – Tan	ND	PLM
101A-060724-FR	Women’s Bathroom – B Wall	Grout associated with Pink 4”x4” Ceramic Wall Tile - White	ND	PLM
101B-060724-FR	Women’s Bathroom – B Wall	Grout associated with Pink 4”x4” Ceramic Wall Tile - White	ND	PLM
102A-060724-FR	Women’s Bathroom – Sink	Caulking compound – White	ND	PLM
102B-060724-FR	Women’s Bathroom – Sink	Caulking compound - White	ND	PLM
103A-060724-FR	Women’s Bathroom - Window	4”x4” Ceramic Tile - Blue	ND	PLM
103B-060724-FR	Men’s Bathroom - Window	4”x4” Ceramic Tile - Blue	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
104A-060724-FR	Windows Bathroom - Window	Thinset associated with Blue 4”x4” Ceramic Tile - Tan	ND	PLM
104B-060724-FR	Men’s Bathroom - Window	Thinset associated with Blue 4”x4” Ceramic Tile – Tan	ND	PLM
105A-060724-FR	Windows Bathroom - Window	Grout associated with Blue 4”x4” Ceramic Tile - White	ND	PLM
105B-060724-FR	Men’s Bathroom - Window	Grout associated with Blue 4”x4” Ceramic Tile - White	ND	PLM
106A-060724-FR	Men’s Bathroom – B Wall	4”x4” Ceramic Tile - Blue	ND	PLM
106B-060724-FR	Men’s Bathroom – B Wall	4”x4” Ceramic Tile - Blue	ND	PLM
107A-060724-FR	Men’s Bathroom – B Wall	Thinset associated with Blue 4”x4” Ceramic Tile - Tan	ND	PLM
107B-060724-FR	Men’s Bathroom – B Wall	Thinset Associated Blue 4”x4” Ceramic Tile – Tan	ND	PLM
108A-060724-FR	Men’s Bathroom – B Wall	Grout associated with Blue 4”x4” Ceramic Tile - White	ND	PLM
108B-060724-FR	Men’s Bathroom – B Wall	Grout associated with Blue 4”x4” Ceramic Tile - White	ND	PLM
109A-060724-FR	Men’s Bathroom – Sink	Caulk – White	ND	PLM
109B-060724-FR	Men’s Bathroom – Sink	Caulk - White	ND	PLM
110A-060724-FR	Northwest Room – Door	Leveler - White	ND	PLM
110B-060724-FR	Northwest Room – Door	Leveler - White	ND	PLM
111A-060724-FR	**Southeast Dentist – Eyewash Mirror**	**Adhesive - Black**	**10% Chrysotile**	**PLM**
111B-060724-FR	Southeast Dentist – Eyewash Mirror	Adhesive – Black	Not Analyzed	----------
112A-060724-FR	Northeast Dentist – D Wall	Fiber Glass Insulation Paper - Brown	ND	PLM
112B-060724-FR	Northeast Dentist – D Wall	Fiber Glass Insulation Paper - Brown	ND	PLM
113A-060724-FR	Maintenance Room Off Men’s Bathroom	Fiber Glass Insulation Foil Paper - Brown	ND	PLM
113B-060724-FR	Maintenance Room Off Men’s Bathroom	Fiber Glass Insulation Foil Paper – Brown	ND	PLM
114A-060724-FR	**Maintenance Room Off Men’s Bathroom**	**Mudded Pipe Fittings - Grey**	**20% Chrysotile**	**PLM**
114B-060724-FR	Hallway – Above Drop Ceiling – North	Mudded Pipe Fittings - Grey	Not Analyzed	----------
114C-060724-FR	Hallway – Above Drop Ceiling – North	Mudded Pipe Fittings – Grey	Not Analyzed	----------
Building A - Roof				
115A-060724-FR	Northeast Upper Roof – Center	4 Ply Tar Paper Over Iso Foam on Corrugated Metal – Black	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
115B-060724-FR	Northwest Upper Roof – Center	4 Ply Tar Paper Over Iso Foam on Corrugated Metal – Black	ND	PLM
115C-060724-FR	Center Upper Roof – Center	4 Ply Tar Paper Over Iso Foam on Corrugated Metal – Black	ND	PLM
115D-060724-FR	Southeast Upper Roof – Center	4 Ply Tar Paper Over Iso Foam on Corrugated Metal – Black	ND	PLM
115E-060724-FR	Southwest Upper Roof - Center	4 Ply Tar Paper Over Iso Foam on Corrugated Metal – Black	ND	PLM
115F-060724-FR	North Lower Roof – Center	4 Ply Tar Paper Over Wood Ply - Black	ND	PLM
115G-060724-FR	South Lower Roof – Center	4 Ply Tar Paper Over Wood Ply - Black	ND	PLM
116A-060724-FR	**Northeast Upper Roof – Edge**	**4 Ply Tar Paper Over Wood Ply - Black**	**10% Chrysotile**	**PLM**
116B-060724-FR	Northwest Upper Roof – Edge	4 Ply Tar Paper Over Wood Ply - Black	Not Analyzed	----------
116C-060724-FR	Center Upper Roof – Edge	4 Ply Tar Paper Over Wood Ply - Black	Not Analyzed	----------
116D-060724-FR	Southeast Upper Roof – Edge	4 Ply Tar Paper Over Wood Ply - Black	Not Analyzed	----------
116E-060724-FR	Southwest Upper Roof - Edge	4 Ply Tar Paper Over Wood Ply - Black	Not Analyzed	----------
116F-060724-FR	North Lower Roof - Edge	4 Ply Tar Paper Over Wood Ply - Black	Not Analyzed	----------
116G-060724-FR	South Lower Roof - Edge	4 Ply Tar Paper Over Wood Ply - Black	Not Analyzed	----------
117A-060724-FR	Northwest Upper Roof - Flashing	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment - Black	ND	PLM
117B-060724-FR	Northwest Upper Roof – Flashing	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment - Black	ND	PLM
117C-060724-FR	Center Upper Roof – Flashing	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment - Black	ND	PLM
117D-060724-FR	**Southwest Upper Roof - Flashing**	**4 Ply Tar Paper Over Wood Ply on Mechanical Equipment - Black**	**8% Chrysotile**	**PLM**
117E-060724-FR	Southwest Upper Roof – Flashing	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment - Black	Not Analyzed	----------
117F-060724-FR	North Lower Roof – Flashing	4 Ply Tar Paper Over Wood Ply Against Building - Black	Not Analyzed	----------

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
117G-060724-FR	South Lower Roof – Flashing	4 Ply Tar Paper Over Wood Ply Against Building – Black	Not Analyzed	----------
118A-060724-FR	Northeast – Center	Iso-foam Paperback un 4 Ply Tar Paper on Corrugated Metal - Black	ND	PLM
118B-060724-FR	Southwest – Center	Iso-foam Paperback under 4 Ply Tar Paper on Corrugated Metal	ND	PLM
118C-060724-FR	Northeast – Center	Iso-foam Paperback under 4 Ply Tar Paper on Corrugated Metal	ND	PLM
118D-060724-FR	Northwest – Center	Iso-foam Paperback under 4 Ply Tar Paper on Corrugated Metal	ND	PLM
118E-060724-FR	Center - Center	Iso-foam Paperback under 4 Ply Tar Paper on Corrugated Metal	ND	PLM
118F-060724-FR	Southeast – Center	Iso-foam Paperback under 4 Ply Tar Paper on Corrugated Metal	ND	PLM
118G-060724-FR	Southwest - Center	Iso-foam Paperback under 4 Ply Tar Paper on Corrugated Metal	ND	PLM
119A-060724-FR	Chimney	Brick - Red	ND	PLM
119B-060724-FR	Chimney	Brick – Red	ND	PLM
120A-060724-FR	Chimney	Mortar - White	ND	PLM
120B-060724-FR	Chimney	Mortar - White	ND	PLM
121A-060724-FR	**Chimney**	**Tar Sealant - Black**	**10% Chrysotile**	**PLM**
121B-060724-FR	Chimney	Tar Sealant – Black	Not Analyzed	----------
122A-060724-FR	Upper Roof – Mechanical Electrical Hole	Tar - Black	ND	PLM
122B-060724-FR	Upper Roof – Mechanical Electrical Hole	Tar - Black	ND	PLM
Building A - First Floor				
123A-060724-FR	**Bank**	**Mastic/Adhesive associated with Vinyl Wood Floor – Yellow/Black**	**3% Chrysotile**	**PLM**
123B-060724-FR	Bank	Mastic/Adhesive associated with Vinyl Wood Floor – Yellow/Black	Not Analyzed	----------
123C-060724-FR	Tobby's	Mastic associated with 6"x6" Red Ceramic Tile - Black	Not Analyzed	----------
123D-060724-FR	Tobby's	Mastic associated with 6"x6" Red Ceramic Tile - Black	Not Analyzed	----------
123E-060724-FR	Print Shop	Mastic/Adhesive associated with Tan 1'x1' Vinyl Floor Tile – Black	Not Analyzed	----------
123F-060724-FR	Print Shop	Mastic/Adhesive associated with Tan 1'x1' Vinyl Floor Tile - Black	Not Analyzed	----------

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
123G-060724-FR	Hair Design	Mastic/Adhesive associated with White 1'x1' Vinyl Floor Tile - Black	Not Analyzed	----------
123H-060724-FR	Hair Design	Mastic/Adhesive associated with White 1'x1' Vinyl Floor Tile - Black	Not Analyzed	----------
124A-060724-FR	Bank – Main Room	Self-Adhesive Vinyl Floor – Wood Pattern	Not Analyzed	----------
124B-060724-FR	Bank – Main Room	Self-Adhesive Vinyl Floor – Wood Pattern	Not Analyzed	----------
125A-060724-FR	Bank – Bathroom Hallway	1'x1' Ceramic Tile - White	Not Analyzed	----------
125B-060724-FR	Bank - Bathroom	1'x1' Ceramic Tile – White	Not Analyzed	----------
126A-060724-FR	Bank – Bathroom Hallway	Thinset associated with White 1'x1' Ceramic Tile - White	Not Analyzed	----------
126B-060724-FR	Bank - Bathroom	Thinset associated with White 1'x1' Ceramic Tile – White	Not Analyzed	----------
127A-060724-FR	Bank – Bathroom Hallway	Grout associated with White 1'x1' Ceramic Tile - Red	Not Analyzed	----------
127B-060724-FR	Bank - Bathroom	Grout associated with White 1'x1' Ceramic Tile - Red	Not Analyzed	----------
128A-060724-FR	Bank – Main Room	Adhesive associated with Blue Carpet - Tan	Not Analyzed	----------
128B-060724-FR	Bank – Main Room	Adhesive associated with Blue Carpet - Tan	Not Analyzed	----------
129A-060724-FR	Tobby's – Coffee Bar	6"x6" Ceramic Floor Tile - Red	Not Analyzed	----------
129B-060724-FR	Tobby's - Kitchen	6"x6" Ceramic Floor Tile - Red	Not Analyzed	----------
130A-060724-FR	Tobby's – Coffee Bar	Grout associated with Red 6"x6" Ceramic Floor Tile – Dark Grey	Not Analyzed	----------
130B-060724-FR	Tobby's - Kitchen	Grout associated with Red 6"x6" Ceramic Floor Tile – Dark Grey	Not Analyzed	----------
131A-060724-FR	Tobby's - Bar	2'x2' Ceramic Tile - Grey	Not Analyzed	----------
131B-060724-FR	Tobby's - Bar	2'x2' Ceramic Tile - Grey	Not Analyzed	----------
132A-060724-FR	Tobby's - Bar	Grout associated with Grey 2'x2' Ceramic Tile - Grey	Not Analyzed	----------
132B-060724-FR	Tobby's - Bar	Grout associated with Grey 2'x2' Ceramic Tile - Grey	Not Analyzed	----------
133A-060724-FR	Tobby's - Bar	Mudset associated with Grey 2'x2' Ceramic Tile – Light Grey	Not Analyzed	----------
133B-060724-FR	Tobby's - Bar	Mudset associated with Grey 2'x2' Ceramic Tile – Light Grey	Not Analyzed	----------
134A-060724-FR	Tobby's – Main Room	1'x1' Ceramic Floor Tile - Tan	Not Analyzed	----------
134B-060724-FR	Tobby's – Main Room	1'x1' Ceramic Floor Tile – Tan	Not Analyzed	----------

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
135A-060724-FR	Tobby's – Main Room	Grout associated with Tan 1'x1' Ceramic Tile – Tan	Not Analyzed	----------
135B-060724-FR	Tobby's – Main Room	Grout associated with Tan 1'x1' Ceramic Tile - Tan	Not Analyzed	----------
136A-060724-FR	Tobby's – Main Room	Mudset associated with Tan 1'x1' Ceramic Tile – Grey	Not Analyzed	----------
136B-060724-FR	Tobby's – Main Room	Mudset associated with Tan 1'x1' Ceramic Tile – Grey	Not Analyzed	----------
137A-060724-FR	Tobby's – Electrical Closest	1'x1' Vinyl Floor Tile - White	Not Analyzed	----------
137B-060724-FR	Tobby's – Electrical Closest	1'x1' Vinyl Floor Tile - White	Not Analyzed	----------
138A-060724-FR	Tobby's – Electrical Closest	Adhesive associated with White 1'x1' Vinyl Floor Tile - Tan	Not Analyzed	----------
138B-060724-FR	Tobby's – Electrical Closest	Adhesive associated with White 1'x1' Vinyl Floor Tile - Tan	Not Analyzed	----------
139A-060724-FR	Print Shop – Main Room	Adhesive associated with Gray Carpet – Light Tan	Not Analyzed	----------
139B-060724-FR	Print Shop – Main Room	Adhesive associated with Gray Carpet – Light Tan	Not Analyzed	----------
140A-060724-FR	Print Shop - Bathroom	1'x1' Vinyl Floor Tile - Tan	Not Analyzed	----------
140B-060724-FR	Print Shop - Bathroom	1'x1' Vinyl Floor Tile – Tan	Not Analyzed	----------
141A-060724-FR	Hair Design – Changing Rooms	1'x1' Vinyl Floor Tile - White	Not Analyzed	----------
141B-060724-FR	Hair Design – Changing Rooms	1'x1' Vinyl Floor Tile – White	Not Analyzed	----------
142A-060724-FR	Hair Design – Backroom	1'x1' Ceramic Floor Tile – Grey/Black Marble	Not Analyzed	----------
142B-060724-FR	Hair Design – Bathroom	1'x1' Ceramic Floor Tile – Grey/Black Marble	Not Analyzed	----------
143A-060724-FR	Hair Design – Backroom	Grout associated with Grey/Black Marble 1'x1' Ceramic Floor Tile – Dark Grey	Not Analyzed	----------
143B-060724-FR	Hair Design – Bathroom	Grout associated with Grey/Black Marble 1'x1' Ceramic Floor Tile – Dark Grey	Not Analyzed	----------
144A-060724-FR	Hair Design – Backroom	Mudset associated with Grey/Black Marble 1'x1' Ceramic Floor Tile – Tan	Not Analyzed	----------
144B-060724-FR	Hair Design – Bathroom	Mudset associated with Grey/Black Marble 1'x1' Ceramic Floor Tile – Tan	Not Analyzed	----------
145A-060724-FR	Bank – Main Room - D Wall	½" Drywall - White	ND	PLM
145B-060724-FR	Bank – Main Room - C Wall	½" Drywall - White	ND	PLM
145C-060724-FR	Tobby's – Electrical Room - B Wall	½" Drywall - White	ND	PLM
145D-060724-FR	Print Shop – Main Room - C Wall	½" Drywall - White	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
145E-060724-FR	Print Shop – Main Room - C Wall	½" Drywall - White	ND	PLM
145F-060724-FR	Hair Design – Backroom – D Wall	½" Drywall - White	ND	PLM
145G-060724-FR	Hair Design – Main Room – D Wall	½" Drywall - White	ND	PLM
146A-060724-FR (Joint Compound)	Bank – Main Room - D Wall	Tape & Joint Compound - White	ND	PLM
146A-060724-FR (Tape)	Bank – Main Room - D Wall	Tape & Joint Compound - White	ND	PLM
146B-060724-FR (Joint Compound)	Bank – Main Room - C Wall	Tape & Joint Compound - White	ND	PLM
146B-060724-FR (Tape)	Bank – Main Room - C Wall	Tape & Joint Compound - White	ND	PLM
146C-060724-FR (Joint Compound)	**Tobby's – Electrical Room - B Wall**	**Tape & Joint Compound - White**	**3% Chrysotile**	**PLM**
146C-060724-FR (Tape)	Tobby's – Electrical Room - B Wall	Tape & Joint Compound - White	ND	PLM
146D-060724-FR (Joint Compound)	Print Shop – Main Room - C Wall	Tape & Joint Compound - White	Not Analyzed	----------
146D-060724-FR (Tape)	Print Shop – Main Room - C Wall	Tape & Joint Compound - White	ND	PLM
146E-060724-FR (Joint Compound)	Print Shop – Main Room - C Wall	Tape & Joint Compound - White	Not Analyzed	----------
146E-060724-FR (Tape)	Print Shop – Main Room - C Wall	Tape & Joint Compound - White	ND	PLM
146F-060724-FR (Joint Compound)	Hair Design – Backroom – D Wall	Tape & Joint Compound - White	Not Analyzed	----------
146F-060724-FR (Tape)	Hair Design – Backroom – D Wall	Tape & Joint Compound - White	ND	PLM
146G-060724-FR (Joint Compound)	Hair Design – Main Room – D Wall	Tape & Joint Compound - White	Not Analyzed	----------
146G-060724-FR (Tape)	Hair Design – Main Room – D Wall	Tape & Joint Compound - White	ND	PLM
147A-060724-FR	Bank – Center Support Column	4" Vinyl Cove Base – Dark Blue	ND	PLM
147B-060724-FR	Bank – Center Support Column	4" Vinyl Cove Base – Dark Blue	ND	PLM
148A-060724-FR	Bank – Center Support Column	Adhesive associated with Dark Blue 4" Vinyl Cove Base - Tan	ND	PLM
148B-060724-FR	Bank – Center Support Column	Adhesive associated with Dark Blue 4" Vinyl Cove Base - Tan	ND	PLM
149A-060724-FR	Bank – Main Room	4" Vinyl Cove Base – Blue	ND	PLM
149B-060724-FR	Bank – Main Room	4" Vinyl Cove Base – Blue	ND	PLM
150A-060724-FR	Bank – Main Room	Adhesive Associated Blue 4" Vinyl Cove Base - Tan	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
150B-060724-FR	Bank – Main Room	Adhesive associated with Blue 4” Vinyl Cove Base - Tan	ND	PLM
151A-060724-FR	Print Shop – Main Room	4” Vinyl Cove Base – Grey	ND	PLM
151B-060724-FR	Print Shop – Main Room	4” Vinyl Cove Base – Grey	ND	PLM
152A-060724-FR	Print Shop – Main Room	Adhesive associated with Grey 4” Vinyl Cove Base – Tan	ND	PLM
152B-060724-FR	Print Shop – Main Room	Adhesive associated with Grey 4” Vinyl Cove Base - Tan	ND	PLM
153A-060724-FR (Countertop)	Print Shop – Main Room	Countertop/Adhesive – Faux Marble Look Tan	ND	PLM
153A-060724-FR (Adhesive)	Print Shop – Main Room	Countertop/Adhesive – Faux Marble Look Tan	ND	PLM
153B-060724-FR (Countertop)	Print Shop – Main Room	Countertop/Adhesive – Faux Marble Look Tan	ND	PLM
153B-060724-FR (Adhesive)	Print Shop – Main Room	Countertop/Adhesive – Faux Marble Look Tan	ND	PLM
154A-060724-FR (Countertop)	Print Shop – Main Room	Countertop/Adhesive – Blue/Yellow	ND	PLM
154A-060724-FR (Adhesive)	Print Shop – Main Room	Countertop/Adhesive – Blue/Yellow	ND	PLM
154B-060724-FR (Countertop)	Print Shop – Main Room	Countertop/Adhesive – Blue/Yellow	ND	PLM
154B-060724-FR (Adhesive)	Print Shop – Main Room	Countertop/Adhesive – Blue/Yellow	ND	PLM
155A-060724-FR (Countertop)	Print Shop – Main Room	Countertop/Adhesive – Pink/Yellow	ND	PLM
155A-060724-FR (Adhesive)	Print Shop – Main Room	Countertop/Adhesive – Pink/Yellow	ND	PLM
155B-060724-FR (Countertop)	Print Shop – Main Room	Countertop/Adhesive – Pink/Yellow	ND	PLM
155B-060724-FR (Adhesive)	Print Shop – Main Room	Countertop/Adhesive – Pink/Yellow	ND	PLM
156A-060724-FR	Tobby’s – Men’s Bathroom	6”x8” Ceramic Wall Tile - White	ND	PLM
156B-060724-FR	Tobby’s Women’s Bathroom	6”x8” Ceramic Wall Tile – White	ND	PLM
157A-060724-FR	Tobby’s – Men’s Bathroom	Thinset Associated White 6”x8” Ceramic Wall Tile - White	ND	PLM
157B-060724-FR	Tobby’s Women’s Bathroom	Thinset Associated White 6”x8” Ceramic Wall Tile – White	ND	PLM
158A-060724-FR	Tobby’s – Men’s Bathroom	Grout Thinset Associated White 6”x8” Ceramic Wall Tile – White	ND	PLM
158B-060724-FR	Tobby’s Women’s Bathroom	Grout Thinset Associated White 6”x8” Ceramic Wall Tile - White	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
159A-060724-FR	Tobby's – Bar Wall	Vinyl Backsplash – Stone Tile Look Grey	ND	PLM
159B-060724-FR	Tobby's – Bar Wall	Vinyl Backsplash – Stone Tile Look Grey	ND	PLM
160A-060724-FR	Tobby's – Bar Wall	Adhesive associated with Stone Tile Look Grey Vinyl Backsplash - Yellow	ND	PLM
160B-060724-FR	Tobby's – Bar Wall	Adhesive associated with Stone Tile Look Grey Vinyl Backsplash - Yellow	ND	PLM
161A-060724-FR	Hair Design – Main room	2'x4' Suspended Ceiling Tile – Pinhole & Worm Tracks - White	ND	PLM
161B-060724-FR	Bank – Main Room	2'x4' Suspended Ceiling Tile – Pinhole & Worm Tracks - White	ND	PLM
162A-060724-FR	Print Shop – Main Room – Mirror	Glue Daubs - Tan	ND	PLM
162B-060724-FR	Print Shop – Main Room - Mirror	Glue Daubs - Tan	ND	PLM
163A-060724-FR	**Print Shop - Backroom**	**Mudded Fitting - Grey**	**20% Chrysotile**	**PLM**
163B-060724-FR	Print Shop - Backroom	Mudded Fitting - Grey	Not Analyzed	----------
163C-060724-FR	Print Shop - Backroom	Mudded Fitting - Grey	Not Analyzed	----------
Building B Exterior				
01A-FR-052924	Building B – Center S Upper Roof	4-Ply Tar Roof Wall Base Flashing	ND	PLM
01B-FR-052924	Building B – Center E Upper Roof	4-Ply Tar Roof Wall Base Flashing	ND	PLM
01C-FR-052924	Building B – NE Upper Roof	4-Ply Tar Roof Wall Base Flashing	ND	PLM
01D-FR-052924	Building B – NW Upper Roof	4-Ply Tar Roof Wall Base Flashing	ND	PLM
01E-FR-052924	Building B – SW Upper Roof	4-Ply Tar Roof Wall Base Flashing	ND	PLM
01F-FR-052924	Building B – SW Lower Roof	4-Ply Tar Roof Wall Base Flashing	ND	PLM
01G-FR-052924	Building B – SE Lower Roof	4-Ply Tar Roof Wall Base Flashing	ND	PLM
02A-FR-052924	**Building B – Center S Upper Roof**	**4-Ply Tar Roof Edge Flashing**	**6% Chrysotile**	**PLM**
02B-FR-052924	**Building B – Center E Upper Roof**	**4-Ply Tar Roof Edge Flashing**	**NA/Pos Stop**	**----------**
02C-FR-052924	**Building B – NE Upper Roof**	**4-Ply Tar Roof Edge Flashing**	**NA/Pos Stop**	**----------**
02D-FR-052924	**Building B – NW Upper Roof**	**4-Ply Tar Roof Edge Flashing**	**NA/Pos Stop**	**----------**
02E-FR-052924	**Building B – SW Upper Roof**	**4-Ply Tar Roof Edge Flashing**	**NA/Pos Stop**	**----------**
02F-FR-052924	**Building B – SW Lower Roof**	**4-Ply Tar Roof Edge Flashing**	**NA/Pos Stop**	**----------**
02G-FR-052924	**Building B – SE Lower Roof**	**4-Ply Tar Roof Edge Flashing**	**NA/Pos Stop**	**----------**

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
03A-FR-052924	Building B – Center S Upper Roof	4-Ply Tar Roof Field -	ND	PLM
03B-FR-052924	Building B – Center E Upper Roof	4-Ply Tar Roof Field -	ND	PLM
03C-FR-052924	Building B – NE Upper Roof	4-Ply Tar Roof Field -	ND	PLM
03D-FR-052924	Building B – NW Upper Roof	4-Ply Tar Roof Field -	ND	PLM
03E-FR-052924	Building B – SW Upper Roof	4-Ply Tar Roof Field -	ND	PLM
03F-FR-052924	Building B – SW Lower Roof	4-Ply Tar Roof Field -	ND	PLM
03G-FR-052924	Building B – SE Lower Roof	4-Ply Tar Roof Field -	ND	PLM
04A-FR-052924	Building B – Center S Upper Roof	Iso Foam Paperback Under 4-Ply Tar Roof Field	ND	PLM
04B-FR-052924	Building B – Center E Upper Roof	Iso Foam Paperback Under 4-Ply Tar Roof Field	ND	PLM
04C-FR-052924	Building B – NE Upper Roof	Iso Foam Paperback Under 4-Ply Tar Roof Field	ND	PLM
04D-FR-052924	Building B – NW Upper Roof	Iso Foam Paperback Under 4-Ply Tar Roof Field	ND	PLM
04E-FR-052924	Building B – SW Upper Roof	Iso Foam Paperback Under 4-Ply Tar Roof Field	ND	PLM
04F-FR-052924	Building B – NE Upper Roof	Iso Foam Paperback Under 4-Ply Tar Roof Field	ND	PLM
04G-FR-052924	Building B – NW Upper Roof	Iso Foam Paperback Under 4-Ply Tar Roof Field	ND	PLM
05A-FR-052924	**Building B – NW Roof**	**Silver Paint on Roof Vent/Equipment Flashings**	**3% Chrysotile**	**PLM**
05B-FR-052924	**Building B – W Center Roof**	**Silver Paint on Roof Vent/Equipment Flashings**	**NA/Pos Stop**	**----------**
06A-FR-052924	**Building B – NW Roof**	**White Caulk on Roof Vent/Equipment**	**3% Chrysotile**	**PLM**
06B-FR-052924	**Building B – NW Roof**	**White Caulk on Roof Vent/Equipment**	**NA/Pos Stop**	**----------**
07A-FR-052924	Building B – NE Corner	Red Brick	ND	PLM
07B-FR-052924	Building B – SW Corner	Red Brick	ND	PLM
08A-FR-052924	Building B – NE Corner	Gray Mortar Associated with Red Brick	ND	PLM
08B-FR-052924	Building B – SW Corner	Gray Mortar Associated with Red Brick	ND	PLM
09A-FR-052924	Building B – SE Side	Light Gray CMU Brick	ND	PLM
09B-FR-052924	Building B – SW Side	Light Gray CMU Brick	ND	PLM
10A-FR-052924	Building B – SE Side	Gray Mortar Associated with Light Gray CMU Brick	ND	PLM
10B-FR-052924	Building B – SW Side	Gray Mortar Associated with Light Gray CMU Brick	ND	PLM
11A-FR-052924	**Building B – S Side Throughout**	**Gray Perforated Cementitious Walkway Ceiling Panel**	**15% Chrysotile**	**PLM**

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
11B-FR-052924	**Building B – S Side Throughout**	**Gray Perforated Cementitious Walkway Ceiling Panel**	**NA/Pos Stop**	**----------**
12A-FR-052924	**Building B – S Side Center**	**Light Gray Walkway – Building Horizontal Caulk**	**6% Chrysotile**	**PLM**
12B-FR-052924	**Building B – S Side, W End**	**Light Gray Walkway – Building Horizontal Caulk**	**NA/Pos Stop**	**----------**
13A-FR-052924	**Building B – S Side Center**	**White Vertical Blue Brick – Window Frame Caulk**	**5% Chrysotile**	**PLM**
13B-FR-052924	**Building B – S Side, W End**	**White Vertical Blue Brick – Window Frame Caulk**	**NA/Pos Stop**	**----------**
14A-FR-052924	**Building B – S Side, Center Right**	**Black Vertical Brick – Window Frame Caulk**	**3% Chrysotile**	**PLM**
14B-FR-052924	**Building B – S Side, Center Right**	**Black Vertical Brick – Window Frame Caulk**	**NA/Pos Stop**	**----------**
15A-FR-052924	Building B – S Side, Center Right	Red Vertical Window Frame – Wall Seam Caulk	ND	PLM
15B-FR-052924	Building B – S Side, Center Right	Red Vertical Window Frame – Wall Seam Caulk	ND	PLM
16A-FR-052924	Building B – S Side, Center Left	Light Gray Glass – Window Frame Caulk	ND	PLM
16B-FR-052924	Building B – S Side, Center Left	Light Gray Glass – Window Frame Caulk	ND	PLM
17A-FR-052924	**Building B – S Side, Center Right**	**Tan-Gray Vertical Frame Seam Caulk**	**7% Chrysotile**	**PLM**
17B-FR-052924	**Building B – S Side, Center Right**	**Tan-Gray Vertical Frame Seam Caulk**	**NA/Pos Stop**	**----------**
18A-FR-052924	**Building B – NE Corner**	**White Doorframe Caulk**	**3% Chrysotile**	**PLM**
18B-FR-052924	**Building B – NE Corner**	**White Doorframe Caulk**	**NA/Pos Stop**	**----------**
19A-FR-052924	Building B – N Side, Center	White New Door Frame Caulk	ND	PLM
19B-FR-052924	Building B – N Side, Center	White New Door Frame Caulk	ND	PLM
20A-FR-052924	Building B – N Side, Center	Gray Window Caulk	ND	PLM
20B-FR-052924	Building B – N Side, Center	Gray Window Caulk	ND	PLM
21A-FR-052924	Building B – N Side, W End	Light Gray Door Frame Caulk	ND	PLM
21B-FR-052924	Building B – N Side, W End	Light Gray Door Frame Caulk	ND	PLM
22A-FR-052924	Building B – S Side, Center Left	Clear Door Window Caulk	ND	PLM
22B-FR-052924	Building B – S Side, Center	Clear Door Window Caulk	ND	PLM
Building B Interior				
01A-CC-060724	Drycleaner – B wall	White ½" Gypsum Wallboard	ND	PLM
01B-CC-060724	Pho Restaurant – C wall	White ½" Gypsum Wallboard	ND	PLM
01C-CC-060724	Nail Salon – D wall	White ½" Gypsum Wallboard	ND	PLM
01D-CC-060724	Appliance Store – A wall	White ½" Gypsum Wallboard	ND	PLM
01E-CC-060724	Barber Shop – D wall	White ½" Gypsum Wallboard	ND	PLM
01F-CC-060724	Michelle's Kitchen – B wall	White ½" Gypsum Wallboard	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
01G-CC-060724	Michelle's Kitchen – D wall	White ½" Gypsum Wallboard	ND	PLM
02A-CC-060724	Drycleaner – B wall	White Tape and Joint Compound	ND	PLM
02B-CC-060724	Pho Restaurant – C wall	White Tape and Joint Compound	ND	PLM
02C-CC-060724	Nail Salon – D wall	White Tape and Joint Compound	ND	PLM
02D-CC-060724	Appliance Store – A wall	White Tape and Joint Compound	ND	PLM
02E-CC-060724	**Barber Shop – D wall**	**White Tape and Joint Compound**	**2% Chrysotile**	**PLM**
02F-CC-060724	Michelle's Kitchen – B wall	White Tape and Joint Compound	Not Analyzed	----------
02G-CC-060724	Michelle's Kitchen – D wall	White Tape and Joint Compound	Not Analyzed	----------
03A-CC-060724	**Drycleaner – West Side Main Room**	**Original Black Mastic associated with9"x9" Tan Vinyl Floor Tile on Concrete**	**4% Chrysotile**	**PLM**
03B-CC-060724	Drycleaner – West Side Main Room	Original Black Mastic associated with9"x9" Tan Vinyl Floor Tile on Concrete	Not Analyzed	----------
03C-CC-060724	Pho Restaurant – Women's Bathroom	Original Black Mastic associated with2'x2' Gray Ceramic Floor Tile on Concrete	Not Analyzed	----------
03D-CC-060724	Pho Restaurant – Men's Bathroom	Original Black Mastic associated with2'x2' Gray Ceramic Floor Tile on Concrete	Not Analyzed	----------
03E-CC-060724	Nail Salon – North Bathroom	Original Black Mastic associated with1'x1' White Sheet Floor on Concrete	Not Analyzed	----------
03F-CC-060724	Nail Salon – North Bathroom	Original Black Mastic associated with1'x1' White Sheet Floor on Concrete	Not Analyzed	----------
03G-CC-060724	Luck China – West Back Hall	Original Black Mastic associated with1'x1' Tan Mottled Vinyl Floor Tile on Concrete	Not Analyzed	----------
03H-CC-060724	Luck China – West Back Hall	Original Black Mastic associated with1'x1' Tan Mottled Vinyl Floor Tile on Concrete	Not Analyzed	----------
03I-CC-060724	Appliance Store – Aquarium Bathroom	Original Black Mastic associated with9"x9" Tan Vinyl Floor Tile on Concrete	Not Analyzed	----------
03J-CC-060724	Appliance Store – Aquarium Bathroom	Original Black Mastic associated with9"x9" Tan Vinyl Floor Tile on Concrete	Not Analyzed	----------
03K-CC-060724	Barber Shop – Main Room	Original Black Mastic associated with1'x1' White Vinyl Floor Tile on Concrete	Not Analyzed	----------

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
03L-CC-060724	Barber Shop – Main Room	Original Black Mastic associated with1'x1' White Vinyl Floor Tile on Concrete	Not Analyzed	---------- -
03M-CC-060724	Michelle's Kitchen – South Bathroom	Original Black Mastic associated with1'x1' White Vinyl Floor Tile on Concrete	Not Analyzed	---------- -
03N-CC-060724	Michelle's Kitchen – South Bathroom	Original Black Mastic associated with1'x1' White Vinyl Floor Tile on Concrete	Not Analyzed	---------- -
04A-CC-060724	Dry Cleaners – Main Room	9"x9" Vinyl Floor Tile - Tan	Not Analyzed	---------- -
04B-CC-060724	Dry Cleaners – Main Room	9"x9" Vinyl Floor Tile - Tan	Not Analyzed	---------- -
05A-CC-060724	Dry Cleaners – Main Room	1'x1' Ceramic Floor Tile - Khaki	Not Analyzed	---------- -
05B-CC-060724	Dry Cleaners – Main Room	1'x1' Ceramic Floor Tile - Khaki	Not Analyzed	---------- -
06A-CC-060724	Dry Cleaners – Main Room	Mud Set associated with Khaki 1'x1' Ceramic Floor Tile – Grey	Not Analyzed	---------- -
06B-CC-060724	Dry Cleaners – Main Room	Mud Set associated with Khaki 1'x1' Ceramic Floor Tile – Grey	Not Analyzed	---------- -
07A-CC-060724	Dry Cleaners – Main Room	Grout associated With Khaki 1'x1' Ceramic Floor Tile – Red	Not Analyzed	---------- -
07B-CC-060724	Dry Cleaners – Main Room	Grout associated With Khaki 1'x1' Ceramic Floor Tile - Red	Not Analyzed	---------- -
08A-CC-060724	Dry Cleaners – Main Room	1'x1' Vinyl Floor Tile over 9"x9" Floor Tile -Grey	Not Analyzed	---------- -
08B-CC-060724	Dry Cleaners – Main Room	1'x1' Vinyl Floor Tile over 9"x9" Floor Tile -Grey	Not Analyzed	---------- -
09A-CC-060724	Dry Cleaners – Main Room	Adhesive associated with Grey 1'x1' Vinyl Floor Tile over 9"x9" Floor Tile - Yellow	Not Analyzed	---------- -
09B-CC-060724	Dry Cleaners – Main Room	Adhesive associated with Grey 1'x1' Vinyl Floor Tile over 9"x9" Floor Tile - Yellow	Not Analyzed	---------- -
10A-CC-060724	Dry Cleaners – Main Room Center	1"x1" Tile on Center Drain - Green	Not Analyzed	---------- -
10B-CC-060724	Dry Cleaners – Main Room Center	1"x1" Tile on Center Drain - Green	Not Analyzed	---------- -
11A-CC-060724	Dry Cleaners – Main Room Center	Grout & Thinset associated with Green 1"x1" Tile on Center Drain - White	Not Analyzed	---------- -

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
11B-CC-060724	Dry Cleaners – Main Room Center	Grout & Thinset associated with Green 1”x1” Tile on Center Drain - White	Not Analyzed	---------- -
12A-CC-060724	Pho Restaurant - Bathroom	Grout associated with 2’x2’ Bathroom Floor Tile - Grey	Not Analyzed	---------- -
12B-CC-060724	Pho Restaurant - Bathroom	Grout associated with 2’x2’ Bathroom Floor Tile - Grey	Not Analyzed	---------- -
13A-CC-060724	Pho Restaurant – Main Room	1’x1’ Brick Floor Tile - Tan	Not Analyzed	---------- -
13B-CC-060724	Pho Restaurant – Main Room	1’x1’ Brick Floor Tile - Tan	Not Analyzed	---------- -
14A-CC-060724	Pho Restaurant – Main Room	Grout associated with Tan 1’x1’ Brick Floor Tile - Grey	Not Analyzed	---------- -
14B-CC-060724	Pho Restaurant – Main Room	Grout associated with Tan 1’x1’ Brick Floor Tile - Grey	Not Analyzed	---------- -
15A-CC-060724	Pho Restaurant – Main Room	Thinset associated with Tan 1’x1’ Brick Floor Tile - White	Not Analyzed	---------- -
15B-CC-060724	Pho Restaurant – Main Room	Thinset associated with Tan 1’x1’ Brick Floor Tile - White	Not Analyzed	---------- -
16A-CC-060724	Nail Salon – Bathroom	2’x2’ Sheet Floor Tiles – Tan	Not Analyzed	---------- -
16B-CC-060724	Nail Salon – Bathroom	2’x2’ Sheet Floor Tiles - Tan	Not Analyzed	---------- -
17A-CC-060724	Nail Salon – Bathroom	Adhesive associated with Tan 2’x2’ Sheet Floor - White	Not Analyzed	---------- -
17B-CC-060724	Nail Salon – Bathroom	Adhesive associated with Tan 2’x2’ Sheet Floor - White	Not Analyzed	---------- -
18A-CC-060724	Nail Salon – Backroom	Sheet Tile Floor – Blue & White Pattern	Not Analyzed	---------- -
18B-CC-060724	Nail Salon – Backroom	Sheet Tile Floor – Blue & White Pattern	Not Analyzed	---------- -
19A-CC-060724	Nail Salon –Backroom	Adhesive associated with Blue & White Pattern Sheet Tile Floor - Yellow	Not Analyzed	---------- -
19B-CC-060724	Nail Salon – Backroom	Adhesive associated with Blue & White Pattern Sheet Tile Floor - Yellow	Not Analyzed	---------- -
20-CC-060724	Sample # Not Used			
21A-CC-060724	Nail Salon – Main room	Adhesive & Mastic associated with Red & Blue Carpet - Black	Not Analyzed	---------- -
21B-CC-060724	Nail Salon – Main room	Adhesive & Mastic associated with Red & Blue Carpet - Black	Not Analyzed	---------- -

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
22A-CC-060724	Lucky China – Store Front	9”x9” Ceramic Floor Tile - White	Not Analyzed	---------- -
22B-CC-060724	Lucky China – Store Front	9”x9” Ceramic Floor Tile - White	Not Analyzed	---------- -
23A-CC-060724	Lucky China – Store Front	Grout associated with White 9”x9” Ceramic Floor Tile – Tan	Not Analyzed	---------- -
23B-CC-060724	Lucky China – Store Front	Grout associated with White 9”x9” Ceramic Floor Tile – Tan	Not Analyzed	---------- -
24A-CC-060724	Lucky China – Store Front	Thinset associated with White 9”x9” Ceramic Floor Tile – Grey	Not Analyzed	---------- -
24B-CC-060724	Lucky China – Store Front	Thinset associated with White 9”x9” Ceramic Floor Tile – Grey	Not Analyzed	---------- -
25A-CC-060724	Lucky China – Kitchen	1’x1’ Ceramic Floor Tile – Red	Not Analyzed	---------- -
25B-CC-060724	Lucky China – Kitchen	1’x1’ Ceramic Floor Tile – Red	Not Analyzed	---------- -
26A-CC-060724	Lucky China – Kitchen	Grout associated with Red 1’x1’ Ceramic Floor Tile – Gray	Not Analyzed	---------- -
26B-CC-060724	Lucky China – Kitchen	Grout associated with Red 1’x1’ Ceramic Floor Tile – Gray	Not Analyzed	---------- -
27A-CC-060724	Lucky China – Kitchen	Thinset associated with Red 1’x1’ Ceramic Floor Tile – White	Not Analyzed	---------- -
27B-CC-060724	Lucky China – Kitchen	Thinset associated with Red 1’x1’ Ceramic Floor Tile – White	Not Analyzed	---------- -
28A-CC-060724	Appliance Store – Backroom Aquarium	1’x1’ Vinyl Floor Tile Over 9”x9” Tiles - Grey	Not Analyzed	---------- -
28B-CC-060724	Appliance Store – Backroom Aquarium	1’x1’ Vinyl Floor Tile Over 9”x9” Tiles - Grey	Not Analyzed	---------- -
29A-CC-060724	Appliance Store - Kitchen	1’x1’ Mottled Floor Tile – Tan	Not Analyzed	---------- -
29B-CC-060724	Appliance Store - Kitchen	1’x1’ Mottled Floor Tile – Tan	Not Analyzed	---------- -
30A-CC-060724	Appliance Store - Kitchen	Adhesive associated with Tan 1’x1’ Mottled Floor Tile - Tan	Not Analyzed	---------- -
30B-CC-060724	Appliance Store - Kitchen	Adhesive associated with Tan 1’x1’ Mottled Floor Tile - Tan	Not Analyzed	---------- -
31A-CC-060724	Appliance Store – Bathroom	1’x1’ Vinyl Floor Tile on Cement with Black Mastic – Green	Not Analyzed	---------- -
31B-CC-060724	Appliance Store – Bathroom	1’x1’ Vinyl Floor Tile on Cement with Black Mastic – Green	Not Analyzed	---------- -
32A-CC-060724	Appliance Store – Main Room	1’x1’ Ceramic Floor Tile - Tan	Not Analyzed	---------- -

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
32B-CC-060724	Appliance Store – Main Room	1’x1’ Ceramic Floor Tile – Tan	Not Analyzed	---------- -
33A-CC-060724	Appliance Store – Main Room	Grout & Thinset associated with Tan 1’x1’ Ceramic Floor Tile - Grey	Not Analyzed	---------- -
33B-CC-060724	Appliance Store – Main Room	Grout & Thinset associated with Tan 1’x1’ Ceramic Floor Tile - Grey	Not Analyzed	---------- -
34A-CC-060724	Barbershop – Bathroom	1’x1’ Vinyl Floor Tile – Flower Design	Not Analyzed	---------- -
34B-CC-060724	Barbershop – Bathroom	1’x1’ Vinyl Floor Tile on Cement with Black Mastic – Flower Design	Not Analyzed	---------- -
35A-CC-060724	Michells’s Kitchen – Managers Office	2’x2’ Vinyl Sheet Floor on Cement with Black Mastic – Brown Marble	Not Analyzed	---------- -
35B-CC-060724	Michells’s Kitchen – Managers Office	2’x2’ Vinyl Sheet Floor – Brown Marble	Not Analyzed	---------- -
36A-CC-060724	Michells’s Kitchen – Managers Office	Adhesive associated with Brown Marble 2’x2’ Vinyl Sheet Floor - Clear	Not Analyzed	---------- -
36B-CC-060724	Michells’s Kitchen – Managers Office	Adhesive associated with Brown Marble 2’x2’ Vinyl Sheet Floor - Clear	Not Analyzed	---------- -
37A-CC-060724	Michells’s Kitchen - Managers Office	Adhesive associated with Black 2’x2’ Carpet Square - White	Not Analyzed	---------- -
37B-CC-060724	Michells’s Kitchen - Managers Office	Adhesive associated with Black 2’x2’ Carpet Square - White	Not Analyzed	---------- -
38-CC-060724	Sample # Not Used			
39A-CC-060724	Michells’s Kitchen – Store Front	1’x1’ Sheet Tile – Brown Pattern	Not Analyzed	---------- -
39B-CC-060724	Michells’s Kitchen - Store Front	1’x1’ Sheet Tile – Brown Pattern	Not Analyzed	---------- -
40A-CC-060724	Michells’s Kitchen - Store Front	Adhesive associated with Brown Pattern 1’x1’ Sheet Tile	Not Analyzed	---------- -
40B-CC-060724	Michells’s Kitchen - Store Front	Adhesive associated with Brown Pattern 1’x1’ Sheet Tile	Not Analyzed	---------- -
41A-CC-060724	Michells’s Kitchen - Kitchen	6”x6” Ceramic Floor Tile - Red	Not Analyzed	---------- -
41B-C-060724	Michells’s Kitchen - Kitchen	6”x6” Ceramic Floor Tile – Red	Not Analyzed	---------- -
42A-CC-060724	Michells’s Kitchen - Kitchen	Thinset associated with Red 6”x6” Ceramic Floor Tile – White	Not Analyzed	---------- -

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
42B-CC-060724	Michells's Kitchen - Kitchen	Thinset associated with Red 6"x6" Ceramic Floor Tile – White	Not Analyzed	---------- -
43A-CC-060724	Michells's Kitchen - Kitchen	Grout associated with Red 6"x6" Ceramic Floor Tile – Grey	Not Analyzed	---------- -
43B-CC-060724	Michells's Kitchen - Kitchen	Grout associated with Red 6"x6" Ceramic Floor Tile – Grey	Not Analyzed	---------- -
44A-CC-060724	Dry Cleaners – Main Room	9"x9" Vinyl Floor Tile Under 1'x1' Grey Tile - Tan	Not Analyzed	---------- -
44B-CC-060724	Dry Cleaners – Main Room	9"x9" Vinyl Floor Tile Under 1'x1' Grey Tile - Tan	Not Analyzed	---------- -
45A-CC-060724	Pho Restaurant - Bathroom	2'x2' Ceramic Floor Tile – White/Grey	Not Analyzed	---------- -
45B-CC-060724	Pho Restaurant - Bathroom	2'x2' Ceramic Floor Tile – White/Grey	Not Analyzed	---------- -
46A-CC-060724	Pho Restaurant - Bathroom	Thinset associated with White/Grey 2'x2' Ceramic Floor Tile - Grey	Not Analyzed	---------- -
46B-CC-060724	Pho Restaurant - Bathroom	Thinset associated with White/Grey 2'x2' Ceramic Floor Tile - Grey	Not Analyzed	---------- -
47A-CC-060724	Nail Salon - Bathroom	1'x1' Sheet Floor - White	Not Analyzed	---------- -
47B-CC-060724	Nail Salon - Bathroom	1'x1' Sheet Floor – White	Not Analyzed	---------- -
48A-CC-060724	Lucky China - Bathroom	1'x1' Mottled Vinyl Floor Tile - Tan	Not Analyzed	---------- -
48B-CC-060724	Lucky China - Bathroom	1'x1' Mottled Vinyl Floor Tile - Tan	Not Analyzed	---------- -
49A-CC-060724	Appliance Store – Aquarium Bathroom	9"x9" Vinyl Floor Tile - White	Not Analyzed	---------- -
49B-CC-060724	Appliance Store – Aquarium Bathroom	9"x9" Vinyl Floor Tile - White	Not Analyzed	---------- -
50A-CC-060724	Barbershop – Main Floor	1'x1' Vinyl Floor Tile - White	Not Analyzed	---------- -
50B-CC-060724	Barbershop – Main Floor	1'x1' Vinyl Floor Tile - White	Not Analyzed	---------- -
51A-CC-060724	Michelle's Kitchen - Bathroom	1'x1' Vinyl Floor Tile Under Sheet Floor - Tan	Not Analyzed	---------- -
51B-CC-060724	Michelle's Kitchen - Bathroom	1'x1' Vinyl Floor Tile Under Sheet Floor - Tan	Not Analyzed	---------- -
52A-CC-060724	Appliance Store – Aquarium Bathroom	1'x1' Vinyl Floor Tile Under Sheet Floor - Tan	Not Analyzed	---------- -

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
52B-CC-060724	Appliance Store – Aquarium Bathroom	1'x1' Vinyl Floor Tile Under Sheet Floor - Tan	Not Analyzed	---------- -
53-CC-060724	Sample # Not Used			
54A-CC-060724	Appliance Store – Bird Room	Popcorn Ceiling Texture- White	ND	PLM
54B-CC-060724	Appliance Store – Bird Room	Popcorn Ceiling Texture- White	ND	PLM
54C-CC-060724	Appliance Store – Northeast Room	Popcorn Ceiling Texture- White	ND	PLM
55A-CC-060724	Appliance Store – Bird Room	Ceiling Tape & Joint Compound associated with Gypsum Wallboard- White	ND	PLM
55B-CC-060724	Appliance Store – Bird Room	Ceiling Tape & Joint Compound associated with Gypsum Wallboard- White	ND	PLM
55C-CC-060724	Appliance Store – Northeast Room	Ceiling Tape & Joint Compound associated with Gypsum Wallboard- White	ND	PLM
56A-CC-060724	Appliance Store – Bird Room	Ceiling Gypsum Drywall ½" - White	ND	PLM
56B-CC-060724	Appliance Store – Bird Room	Ceiling Gypsum Drywall ½" - White	ND	PLM
56C-CC-060724	Appliance Store – Northeast Room	Ceiling Gypsum Drywall ½" - White	ND	PLM
57A-CC-060724	Dry Cleaners – Main Room	2'x2' Suspended Ceiling Tile – Pin & Worm Hole – White	ND	PLM
57B-CC-060724	Dry Cleaners – Main Room	2'x2' Suspended Ceiling Tile – Pin & Worm Hole – White	ND	PLM
58A-CC-060724	Appliance Store – Main Floor	2'x2' Suspended Ceiling Tile – Pin & Worm Hole – White	ND	PLM
58B-CC-060724	Appliance Store – Main Floor	2'x2' Suspended Ceiling Tile – Pin & Worm Hole – White	ND	PLM
59A-CC-060724	Nail Salon – Store Front	2'x4' Suspended Ceiling Tile – Pin & Worm Hole – White	ND	PLM
59B-CC-060724	Appliance Store – Main Room	2'x4' Suspended Ceiling Tile – Pin & Worm Hole – White	ND	PLM
59C-CC-060724	Barbershop – Store Front	2'x4' Suspended Ceiling Tile – Pin & Worm Hole – White	ND	PLM
59D-CC-060724	Michelle's Kitchen – Store Front	2'x4' Suspended Ceiling Tile – Pin & Worm Hole – White	ND	PLM
60,61,62-CC-060724	Sample #'s Not Used			
63A-CC-060724	Michelle's Kitchen – Manager's Office	2'x4' Suspended Ceiling Tile – Spong Pattern - Black	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
63B-CC-060724	Michelle's Kitchen – Managers Office	2'x4' Suspended Ceiling Tile – Spong Pattern – Black	ND	PLM
64A-CC-060724	Michelle's Kitchen – Kitchen	2'x4' Suspended Ceiling Tile – Flat - Black	ND	PLM
64B-CC-060724	Michelle's Kitchen – Kitchen	2'x4' Suspended Ceiling Tile – Flat - Black	ND	PLM
65A-CC-060724	Dry Cleaners – Main Room	4" Vinyl Cove Base - Grey	ND	PLM
65B-CC-060724	Dry Cleaners – Main Room	4" Vinyl Cove Base – Grey	ND	PLM
66A-CC-060724	Dry Cleaners – Main Room	Adhesive associated with Grey 4" Vinyl Cove Base -White	ND	PLM
66B-CC-060724	Dry Cleaners – Main Room	Adhesive associated with Grey 4" Vinyl Cove Base -White	ND	PLM
67A-CC-060724	Nail Salon – Main Room	4" Vinyl Cove Base - Black	ND	PLM
67B-CC-060724	Nail Salon – Main Room	4" Vinyl Cove Base - Black	ND	PLM
68A-CC-060724	Nail Salon – Main Room	Adhesive associated with Black 4" Vinyl Cove Base - Yellow	ND	PLM
68B-CC-060724	Nail Salon – Main Room	Adhesive associated with Black 4" Vinyl Cove Base – Yellow	ND	PLM
69-CC-060724	Sample # Not Used			
70A-CC-060724	Nail Salon – Main Room	Adhesive associated with Dark Blue 4" Carpet Cove Base - Yellow	ND	PLM
70B-CC-060724	Nail Salon – Main Room	Adhesive associated with Dark Blue 4" Carpet Cove Base - Yellow	ND	PLM
71A-CC-060724	Lucky China - Bathroom	4" Vinyl Cove Base – Black	ND	PLM
71B-CC-060724	Lucky China - Bathroom	4" Vinyl Cove Base - Black	ND	PLM
72A-CC-060724	Lucky China – Bathroom	Adhesive associated with Black Vinyl Cove Base - Brown	ND	PLM
72B-CC-060724	Lucky China – Bathroom	Adhesive associated with Black Vinyl Cove Base - Brown	ND	PLM
73A-CC-060724	Lucky China – Store Front	4" Vinyl Cove Base – Purple	ND	PLM
73B-CC-060724	Lucky China - Store Front	4" Vinyl Cove Base - Purple	ND	PLM
74A-CC-060724	Lucky China - Store Front	Adhesive associated with Purple Vinyl Cove Base – White	ND	PLM
74B-CC-060724	Lucky China - Store Front	Adhesive associated with Purple Vinyl Cove Base - White	ND	PLM
75A-CC-060724	Appliance Store – Main Room – B Wall	4" Vinyl Cove Base - Pink	ND	PLM
75B-CC-060724	Appliance Store – Main Room – B Wall	4" Vinyl Cove Base - Pink	ND	PLM
76A-CC-060724	Appliance Store – Main Room – B Wall	Adhesive associated with Pink 4" Vinyl Cove Base - Tan	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
76B-CC-060724	Appliance Store – Main Room – B Wall	Adhesive associated with Pink 4“ Vinyl Cove Base - Tan	ND	PLM
77A-CC-060724	Appliance Store – Main Room - Office	4” Vinyl Cove Base – Light Tan	ND	PLM
77B-CC-060724	Appliance Store – Main Room - Office	4” Vinyl Cove Base – Light Tan	ND	PLM
78A-CC-060724	Appliance Store – Main Room - Office	Adhesive associated with Light Tan Vinyl Cove Base - Tan	ND	PLM
78B-CC-060724	Appliance Store – Main Room - Office	Adhesive associated with Light Tan Vinyl Cove Base - Tan	ND	PLM
79A-CC-060724	Appliance Store – Bird Room	4” Vinyl Cove Base – Green Grey	ND	PLM
79B-CC-060724	Appliance Store –Bird Room	4” Vinyl Cove Base – Green Grey	ND	PLM
80A-CC-060724	Appliance Store –Bird Room	Adhesive associated with Green Grey Vinyl Cove Base–Tan	ND	PLM
80B-CC-060724	Appliance Store – Bird Room	Adhesive associated with Green Grey Vinyl Cove Base-Tan	ND	PLM
81A-CC-060724	Appliance Store – Kitchen	4” Vinyl Cove Base – Brown	ND	PLM
81B-CC-060724	Appliance Store – Kitchen–	4” Vinyl Cove Base – Brown	ND	PLM
82A-CC-060724	Appliance Store – Kitchen	Adhesive associated with Light Tan Vinyl Cove Base - Tan	ND	PLM
82B-CC-060724	Appliance Store – Kitchen	Adhesive associated with Light Tan Vinyl Cove Base - Tan	ND	PLM
83A-CC-060724	Appliance Store – Northeast Room	4” Ceramic Cove Base – Light Blue	ND	PLM
83B-CC-060724	Appliance Store – Northeast Room	4” Ceramic Cove Base – Light Blue	ND	PLM
84A-CC-060724	Appliance Store – Northeast Room	Adhesive associated with Light Blue Vinyl Cove Base–Tan	ND	PLM
84B-CC-060724	Appliance Store – Northeast Room	Adhesive associated with Light Blue Vinyl Cove Base -Tan	ND	PLM
85A-CC-060724	Barber Shop – Store Front	4” Vinyl Cove Base – White	ND	PLM
85B-CC-060724	Barber Shop – Store Front	4” Vinyl Cove Base – White	ND	PLM
86A-CC-060724	Barber Shop – Store Front	Adhesive associated with White 4“ Vinyl Cove Base – Tan	ND	PLM
86B-CC-060724	Barber Shop – Store Front	Adhesive associated with White 4“ Vinyl Cove Base - Tan	ND	PLM
87A-CC-060724	Barber Shop – Store Front	4” Vinyl Cove Base – Black	ND	PLM
87B-CC-060724	Barber Shop – Store Front	4” Vinyl Cove Base – Black	ND	PLM
88A-CC-060724	Barber Shop – Store Front	Adhesive associated with Black Vinyl Cove Base – Brown	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
88B-CC-060724	Barber Shop – Store Front	Adhesive associated with Black Vinyl Cove Base - Brown	ND	PLM
89A-CC-060724	Michelle's Kitchen - Kitchen	4" Vinyl Cove Base – Dark Brown	ND	PLM
89B-CC-060724	Michelle's Kitchen - Kitchen	4" Vinyl Cove Base – Dark Brown	ND	PLM
90A-CC-060724	Michelle's Kitchen - Kitchen	Adhesive associated with Black Vinyl Cove Base – Brown	ND	PLM
90B-CC-060724	Michelle's Kitchen - Kitchen	Adhesive associated with Black Vinyl Cove Base - Brown	ND	PLM
91A-CC-060724	Michelle's Kitchen - Kitchen	6"x6" Ceramic Tile Cove Base - Red	ND	PLM
91B-CC-060724	Michelle's Kitchen - Kitchen	6"x6" Ceramic Tile Cove Base – Red	ND	PLM
92A-CC-060724	Michelle's Kitchen - Kitchen	Grout associated with Red Ceramic Tile Cove Base - Grey	ND	PLM
92B-CC-060724	Michelle's Kitchen - Kitchen	Grout associated with Red Ceramic Tile Cove Base - Grey	ND	PLM
93A-CC-060724	Michelle's Kitchen - Kitchen	Thinset associated with Red Ceramic Tile Cove Base-White	ND	PLM
93B-CC-060724	Michelle's Kitchen - Kitchen	Thinset associated with Red Ceramic Tile Cove Base-White	ND	PLM
94A-CC-060724	Michelle's Kitchen – Store Front	6"x6" Ceramic Tile Cove Base – Brown	ND	PLM
94B-CC-060724	Michelle's Kitchen – Store Front	6"x6" Ceramic Tile Cove Base – Brown	ND	PLM
95A-CC-060724	Michelle's Kitchen – Store Front	Grout associated with Brown 6"x6" Ceramic Tile Cove Base – Grey	ND	PLM
95B-CC-060724	Michelle's Kitchen – Store Front	Grout associated with Brown Ceramic Tile Cove Base – Grey	ND	PLM
96A-CC-060724	Michelle's Kitchen – Store Front	Adhesive associated with Red Ceramic Tile Cove Base – Tan	ND	PLM
96B-CC-060724	Michelle's Kitchen – Store Front	Adhesive associated with Red Ceramic Tile Cove Base - Tan	ND	PLM
97A-CC-060724	Michelle's Kitchen – Bathroom	4" Vinyl Cove base - Grey	ND	PLM
97B-CC-060724	Michelle's Kitchen – Bathroom	4" Vinyl Cove base – Grey	ND	PLM
98A-CC-060724	Michelle's Kitchen – Bathroom	Adhesive associated with Grey 4" Vinyl Cove base – Grey	ND	PLM
98B-CC-060724	Michelle's Kitchen –- Bathroom	Adhesive associated with Grey 4" Vinyl Cove base - Grey	ND	PLM
99A-CC-060724	Lucky China – Store Front - D Wall	4" Vinyl Cove base – White	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
99B-CC-060724	Lucky China – Store Front - D Wall	4” Vinyl Cove base – White	ND	PLM
100A-CC-060724	Lucky China – Store Front - D Wall	Adhesive associated with Grey 4” Vinyl Cove base – Tan	ND	PLM
100B-CC-060724	Lucky China – Store Front - D Wall	Adhesive associated with Grey 4” Vinyl Cove base – Tan	ND	PLM
101A-CC-060724	Michell’s Kitch - Kitchen	5”x5” Ceramic Wall Tile - White	ND	PLM
101B-CC-060724	Michell’s Kitch - Kitchen	5”x5” Ceramic Wall Tile – White	ND	PLM
102A-CC-060724	Michell’s Kitch - Kitchen	Grout associated with White Ceramic Wall Tile - White	ND	PLM
102B-CC-060724	Michell’s Kitch - Kitchen	Grout associated with White Ceramic Wall Tile – White	ND	PLM
103A-CC-060724	Michell’s Kitch - Kitchen	Thinset associated with White Ceramic Wall Tile – Tan	ND	PLM
103B-CC-060724	Michell’s Kitch - Kitchen	Thinset associated with White Ceramic Wall Tile – Tan	ND	PLM
104A-CC-060724	Dry Cleaners – Main Room	Wallpaper – Khaki with Gold Specs	ND	PLM
104B-CC-060724	Dry Cleaners – Main Room	Wallpaper – Khaki with Gold Specs	ND	PLM
105A-CC-060724	Dry Cleaners – Main Room	Adhesive associated with Khaki with Gold Specs Wallpaper - Orange	ND	PLM
105B-CC-060724	Dry Cleaners – Main Room	Adhesive associated with Khaki with Gold Specs Wallpaper - Orange	ND	PLM
106A-CC-060724	Appliance Store – Aquarium - D Wall	Vinyl Sheet – Stone Pattern	ND	PLM
106B-CC-060724	Appliance Store – Aquarium - D Wall	Vinyl Sheet – Stone Pattern	ND	PLM
107A-CC-060724	Appliance Store – Aquarium - D Wall	Adhesive associated with Stone Patter Vinyl Sheet - Clear	ND	PLM
107B-CC-060724	Appliance Store – Aquarium - D Wall	Adhesive associated with Stone Patter Vinyl Sheet - Clear	ND	PLM
108A-CC-060724	Appliance Store – Aquarium - D Wall	Textured Wall Coat – Wave – White	ND	PLM
108B-CC-060724	Appliance Store – Aquarium - D Wall	Textured Wall Coat – Wave – White	ND	PLM
108C-CC-060724	Appliance Store – Aquarium - D Wall	Textured Wall Coat – Wave – White	ND	PLM
109A-CC-060724	Appliance Store – Main Room – B Wall	Wallpaper – Off-White	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
109B-CC-060724	Appliance Store – Main Room – B Wall	Wallpaper – Off-White	ND	PLM
110A-CC-060724	Appliance Store – Main Room – B Wall	Adhesive associated with Off-White Wallpaper - Grey	ND	PLM
110B-CC-060724	Appliance Store – Main Room – B Wall	Adhesive associated with Off-White Wallpaper - Grey	ND	PLM
111A-CC-060724	Barber Shop – Store Front	Wallpaper – Cracked – White	ND	PLM
111B-CC-060724	Barber Shop – Store Front	Wallpaper – Cracked – White	ND	PLM
112A-CC-060724	Barber Shop – Store Front	Adhesive associated with Cracked White Wallpaper - White	ND	PLM
112B-CC-060724	Barber Shop – Store Front	Adhesive associated with Cracked White Wallpaper - White	ND	PLM
113A-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive – White/Yellow	ND	PLM
113B-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive – White/Yellow	ND	PLM
114A-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive – Red/Yellow	ND	PLM
114B-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive – Red/Yellow	ND	PLM
115A-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive – Black/Yellow	ND	PLM
115B-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive - Black/Yellow	ND	PLM
116A-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive – Wood Pattern/Yellow	ND	PLM
116B-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive – Wood Pattern/Yellow	ND	PLM
117A-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive - Grey/Yellow	ND	PLM
117B-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive- Grey/Yellow	ND	PLM
118A-CC-060724	Nail Salon – Store Front	Laminate Countertop/Adhesive – Dark Pink Marble/Yellow	ND	PLM
118B-CC-060724	Nail Salon – Store Front	Laminate Countertop/Adhesive – Dark Pink Marble/Yellow	ND	PLM
119A-CC-060724	Nail Salon – Store Front	Laminate Countertop/Adhesive – White Marble/White	ND	PLM
119B-CC-060724	Nail Salon – Store Front	Laminate Countertop/Adhesive – White Marble/White	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
120A-CC-060724	Nail Salon – Store Front	Laminate Countertop/ Adhesive – Pink Marble/Red	ND	PLM
120B-CC-060724	Nail Salon – Store Front	Laminate Countertop/Adhesive – Pink Marble/Red	ND	PLM
121A-CC-060724	Nail Salon – Store Front	Laminate Countertop/Adhesive – Tan/White	ND	PLM
121B-CC-060724	Nail Salon – Store Front	Laminate Countertop/Adhesive – Tan/White	ND	PLM
122A-CC-060724	Lucky Chine – Store Front	Laminate Countertop/Adhesive – Green/Yellow	ND	PLM
122B-CC-060724	Lucky Chine – Store Front	Laminate Countertop/Adhesive – Green/Yellow	ND	PLM
123A-CC-060724	Lucky Chine – Store Front	Laminate Countertop/Adhesive – Marble Tan/Yellow	ND	PLM
123B-CC-060724	Lucky Chine – Store Front	Laminate Countertop/Adhesive – Marble Tan/Yellow	ND	PLM
124A-CC-060724	Lucky Chine – Store Front	Laminate Countertop/Adhesive – Wood Grain/Yellow	ND	PLM
124B-CC-060724	Lucky Chine – Store Front	Laminate Countertop/Adhesive – Wood Grain/Yellow	ND	PLM
125A-CC-060724	Barber Shop – Store Front	Laminate Countertop/Adhesive – White Thin Wood Grain/Yellow	ND	PLM
125B-CC-060724	Barber Shop – Store Front	Laminate Countertop/Adhesive – White Thin Wood Grain/Yellow	ND	PLM
126A-CC-060724	Barber Shop – Store Front	Laminate Countertop/Adhesive – White Thick Wood Grain/Clear	ND	PLM
126B-CC-060724	Barber Shop – Store Front	Laminate Countertop With Adhesive – White Thick Wood Grain/Clear	ND	PLM
127A-CC-060724	Barber Shop – Store Front	Laminate Countertop/Adhesive – White/Red	ND	PLM
127B-CC-060724	Barber Shop – Store Front	Laminate Countertop/ Adhesive –White/Red	ND	PLM
128A-CC-060724	Barber Shop – Store Front	Laminate Countertop/ Adhesive – Red/Yellow	ND	PLM
128B-CC-060724	Barber Shop – Store Front	Laminate Countertop/Adhesive – Red/Yellow	ND	PLM
129A-CC-060724	Dry Cleaners – Boiler Room	Mudded Fitting – Grey	ND	PLM
129B-CC-060724	Dry Cleaners – Boiler Room	Mudded Fitting – Grey	ND	PLM
129C-CC-060724	Dry Cleaners – Boiler Room	Mudded Fitting – Grey	ND	PLM
130A-CC-060724	Dry Cleaners – Boiler Room	Fiber Glass Insulation Foil Paperback	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
130B-CC-060724	Dry Cleaners – Boiler Room	Fiber Glass Insulation Foil Paperback	ND	PLM
131A-CC-060724	Barber Shop – Bathroom – D Wall	Fiberboard – Tile Look – White	ND	PLM
131B-CC-060724	Barber Shop - Bathroom – D Wall	Fiberboard – Tile Look – White	ND	PLM
132A-CC-060724	Barber Shop - Bathroom – D Wall	Adhesive associated with White Tile Look Fiberboard - Tan	ND	PLM
132B-CC-060724	Barber Shop - Bathroom – D Wall	Adhesive associated with White Tile Look Fiberboard - Tan	ND	PLM
133A-CC-060724	**Appliance Store - Kitchen**	**Kitchen Sink Undercoat - White**	**5% Chrysotile**	**PLM**
133B-CC-060724	Appliance Store - Kitchen	Kitchen Sink Undercoat - White	Not Analyzed	----------
808-810 Silver Lane - Malibu Interior				
01A-091724-SV	810 Northeast room	1'x1' ceiling tile (painted black)	ND	PLM
01B-091724-SV	810 Northeast room	1'x1' ceiling tile (painted black)	ND	PLM
02A-091724-SV	**810 Northeast room**	**Dark Brown Glue Daubs associated with 1'x1' ceiling tile (painted black)**	**2% Anthophyllite**	**PLM**
02B-091724-SV	810 Northeast room	Dark Brown Glue Daubs associated with 1'x1' ceiling tile (painted black)	Not Analyzed	----------
03A-091724-SV	810	2'x4' ceiling tile – worms & pinhole pattern, brown back	ND	PLM
03B-091724-SV	810	2'x4' ceiling tile – worms & pinhole pattern, brown back	ND	PLM
04A-091724-SV	810	2'x4' ceiling tile – sponge pattern, tan back	ND	PLM
04B-091724-SV	810	2'x4' ceiling tile – sponge pattern, tan back	ND	PLM
05A-091724-SV	808	2'x4' ceiling tile – worms & pinhole pattern, tan back	ND	PLM
05B-091724-SV	808	2'x4' ceiling tile – worms & pinhole pattern, tan back	ND	PLM
06A-091724-SV	808	2'x4' ceiling tile – bird tracks pattern, brown back	ND	PLM
06B-091724-SV	810	2'x4' ceiling tile – bird tracks pattern, brown back	ND	PLM
07A-091724-SV	808 Kitchen	Yellow Adhesive associated with splash panel	ND	PLM/TEM
07B-091724-SV	808 Kitchen	Yellow Adhesive associated with splash panel	ND	PLM
08A-091724-SV	808 Kitchen	Off-White Adhesive associated with splash panel	ND	PLM/TEM
08B-091724-SV	808 Kitchen	Off-White Adhesive associated with splash panel	ND	PLM
09A-091724-SV	810 Northeast room	½" Drywall	ND	PLM
09B-091724-SV	810 Mechanical room	½" Drywall	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
09C-091724-SV	808 Mechanical room	½" Drywall	ND	PLM
10A-091724-SV	**810 Northeast room**	**Tape & joint compound**	**< 1% Chrysotile**	**PLM**
10B-091724-SV	810 Mechanical room	Tape & joint compound	Layer not present	
10C-091724-SV	**808 Mechanical room**	**Tape & joint compound**	**< 1% Chrysotile**	**PLM**
11A-091724-SV	808 East entrance	4" black cove base	ND	PLM/TEM
11B-091724-SV	810 @ Women's Lavatory	4" black cove base	ND	PLM
12A-091724-SV	808 East entrance	Off-white Adhesive associated with 4" black cove base	ND	PLM/TEM
12B-091724-SV	810 @ Women's Lavatory	Off-white Adhesive associated with 4" black cove base	ND	PLM
13A-091724-SV	810 Mechanical room	Foil-backed paper wrap with black adhesive on fiberglass pipe insulation	ND	PLM/TEM
13B-091724-SV	810 Mechanical room	Foil-backed paper wrap with black adhesive on fiberglass pipe insulation	ND	PLM
14A-091724-SV	810 West side @ Lavatories	12"x12" Floor Tile – white with grey mottled	ND	PLM/TEM
14B-091724-SV	808/810 connecting door	12"x12" Floor Tile – white with grey mottled	ND	PLM
15A-091724-SV	810 West side @ Lavatories	12"x12" Floor Tile – black with grey mottled	ND	PLM/TEM
15B-091724-SV	808 South wall	12"x12" Floor Tile – black with grey mottled	ND	PLM
16A-091724-SV	810 West side @ Lavatories	Yellow Adhesive associated with 12"x12" Floor Tile	ND	PLM
16B-091724-SV	810 East side center	Yellow Adhesive associated with 12"x12" Floor Tile	ND	PLM
17A-091724-SV	**808 South wall**	**Residual Black Mastic under 12"x12" Floor Tile & Leveling Compound**	**2% Chrysotile**	**PLM**
17B-091724-SV	810 Northeast room	Residual Black Mastic under 12"x12" Floor Tile & Leveling Compound	Not Analyzed	----------
18A-091724-SV	808/810 connecting door	Tan Leveling Compound	ND	PLM
18B-091724-SV	808 South wall	Tan Leveling Compound	ND	PLM
19A-091724-SV	808 Kitchen	6" Red Quarry Tile	ND	PLM
19B-091724-SV	808 Kitchen	6" Red Quarry Tile	ND	PLM
20A-091724-SV	808 Kitchen	Grey Grout/Thinset associated with 6" Red Quarry Tile	ND	PLM
20B-091724-SV	808 Kitchen	Grey Grout/Thinset associated with 6" Red Quarry Tile	ND	PLM
21A-091724-SV	808 South Hall	12" Terracotta Floor Tile	ND	PLM
21B-091724-SV	808 South Hall	12" Terracotta Floor Tile	ND	PLM

Sample No.	Sample Location	Material Type	Asbestos Content	Analysis Method
22A-091724-SV	808 South Hall	Grey Grout/Thinset associated with 12” Terracotta Floor Tile	ND	PLM
22B-091724-SV	808 South Hall	Grey Grout/Thinset associated with 12” Terracotta Floor Tile	ND	PLM
23A-091724-SV	808 Men’s Lavatory	12” Ceramic Wall Tile - grey	ND	PLM
23B-091724-SV	808 Men’s Lavatory	12” Ceramic Wall Tile - grey	ND	PLM
24A-091724-SV	808 Men’s Lavatory	White Grout/Thinset associated with 12” Ceramic Wall Tile - grey	ND	PLM
24B-091724-SV	808 Men’s Lavatory	White Grout/Thinset associated with 12” Ceramic Wall Tile - grey	ND	PLM
25A-091724-SV	808 Women’s Lavatory	12” Ceramic Floor Tile – white (tile is also on walls of women’s lavatory)	ND	PLM
25B-091724-SV	808 Men’s Lavatory	12” Ceramic Floor Tile - white	ND	PLM
26B-091724-SV	808 Men’s Lavatory	Grey Grout/Thinset associated with 12” Ceramic Floor Tile - white	ND	PLM
27A-091724-SV	808 Women’s Lavatory	White Grout/Thinset associated with 12” Ceramic Wall Tile - white	ND	PLM
27B-091724-SV	808 Women’s Lavatory	White Grout/Thinset associated with 12” Ceramic Wall Tile - white	ND	PLM

NA/Pos Stop = Not Analyzed/Positive Stop
ND = None Detected

Table 2
Summary of Identified and Assumed Asbestos-Containing Materials Inventory

Location	Material Type	Asbestos Content	Estimated Total Quantity
Building A - Exterior			
Building A – E Side Throughout	Gray Cementitious Walkway Perforated Ceiling Panel	17% Chrysotile	1,550 SF
Building A – E Side Center	Black/White Walkway Seam Calk	3% Chrysotile	5 LF
Building A – E Side, N End	White Vertical Tacky Calk	6% Chrysotile	150 LF
Building A - Interior, Second Floor			
Northwest Room – D Wall	Tape & Joint Compound - White	3% Chrysotile	54,000 SF
Northeast Dentist	Floor Mastic on Concrete associated with Brown 9”x9” Vinyl Floor Tile – Black	6% Chrysotile	18,000 SF
Room 205	Adhesive & Dk Brown/Grey 4” Carpet Cove Base – Yellow/Black	3% Chrysotile	300 LF
Southeast Dentist	Wallpaper & Adhesive – Grey Diagonal & Tan	2% Chrysotile	440 SF
Northeast Room	Wallpaper & Adhesive – White W/ Red Strip & Tan	2% Chrysotile	1,100 SF

Location	Material Type	Asbestos Content	Estimated Total Quantity
Northeast Dentist	Wallpaper & Adhesive – Yellow & Tan	2% Chrysotile	580 SF
Southeast Dentist	Sink Undercoat – Black	5% Chrysotile	1 EA
Northeast Dentist	Sink Undercoat – Black	5% Chrysotile	1 EA
Southeast Dentist – Eyewash Mirror	Adhesive - Black	10% Chrysotile	4 SF
Maintenance Room Off Men's Bathroom	Mudded Pipe Fittings - Grey	20% Chrysotile	25 EA
Building A Roof			
Northeast Upper Roof – Edge	4 Ply Tar Paper Over Wood Ply - Black	10% Chrysotile	630 SF
Southwest Upper Roof - Flashing	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment - Black	8% Chrysotile	510 SF
Chimney	Tar Sealant - Black	10% Chrysotile	32 LF
Building A - First Floor			
Bank	Mastic/Adhesive associated with Vinyl Wood Floor – Yellow/Black	3% Chrysotile	18,000 SF
Tobby's – Electrical Room - B Wall	Tape & Joint Compound - White	3% Chrysotile	22,000 SF
Print Shop - Backroom	Mudded Fitting - Grey	20% Chrysotile	12
Building B Exterior			
Building B – Center S Upper Roof, Center E Upper Roof, NE Upper Roof, NW Upper Roof, SW Upper Roof, SW Lower Roof, and SE Lower Roof	4-Ply Tar Roof Edge Flashing	6% Chrysotile	6,300 SF
Building B – NW Roof and W Center Roof	Silver Paint on Roof Vent/Equipment Flashings	3% Chrysotile	170 SF
Building B – NW Roof	White Caulk on Roof Vent/Equipment	3% Chrysotile	40 LF
Building B – S Side Throughout	Gray Perforated Cementitious Walkway Ceiling Panel	15% Chrysotile	1,900 SF
Building B – S Side Center and S Side, W End	Light Gray Walkway – Building Horizontal Caulk	6% Chrysotile	400 LF
Building B – S Side Center and S Side, W End	White Vertical Blue Brick – Window Frame Caulk	5% Chrysotile	140 LF
Building B – S Side, Center Right	Black Vertical Brick – Window Frame Caulk	3% Chrysotile	40 LF
Building B – S Side, Center Right	Tan-Gray Vertical Frame Seam Caulk	7% Chrysotile	55 LF
Building B – NE Corner	White Doorframe Caulk	3% Chrysotile	20 LF
Building B Interior			
Barber Shop – D wall	White Tape and Joint Compound	2% Chrysotile	58,500 LF

Location	Material Type	Asbestos Content	Estimated Total Quantity
Drycleaner – West Side Main Room	Original Black Mastic associated with9”x9” Tan Vinyl Floor Tile on Concrete	4% Chrysotile	20,000 SF
Appliance Store - Kitchen	Kitchen Sink Undercoat - White	5% Chrysotile	1 EA
808-810 Silver Lane - Malibu Interior			
810 Northeast room	Dark Brown Glue Daubs associated with 1’x1’ ceiling tile (painted black)	2% Anthophyllite	54 SF
810 Northeast room	Tape & joint compound	< 1% Chrysotile	3,500 SF
808 Mechanical room	Tape & joint compound	< 1% Chrysotile	
808 South wall	Residual Black Mastic under 12”x12” Floor Tile & Leveling Compound	2% Chrysotile	3,250 SF

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

Table 3
PCB Bulk Sample Analysis Results

Sample No.	Sample Location	Material Color & Type	Quantity	PCB Content (Mg/Kg)	Substrate
Building B					
01A-080124-FR	Concrete Walkway to Building Caulk-Middle West	White Caulk	15 LF	ND (RL 0.84)	Concrete to Metal
01B-080124-FR	Concrete Walkway to Building Caulk-Middle West	White Caulk	15 LF	0.86 (RL 0.49)	Concrete to Metal
02A-080124-FR	**Blue Brick to Window Frame**	**White Caulk**	**30 LF**	**2.9 (RL 0.99)**	**Brick to Metal**
02B-080124-FR	**Blue Brick to Window Frame**	**White Caulk**	**30 LF**	**ND (RL 0.6)**	**Brick to Metal**
03A-080124-FR	Brick to Black Window Frame	Black Caulk	15 LF	ND (RL 0.88)	Brick to Metal
03B-080124-FR	Brick to Black Window Frame	Black Caulk	15 LF	ND (RL 0.79)	Brick to Metal
04A-080124-FR	Black Window Frame	Red Caulk	15 LF	ND (RL 0.92)	Metal
04B-080124-FR	Black Window Frame	Red Caulk	15 LF	ND (RL 0.89)	Metal
05A-080124-FR	Door Frame NE Corner	Original White Caulk	60 LF	ND (RL 0.78)	Metal to CMU
05B-080124-FR	Door Frame NE Corner	Original White Caulk	60 LF	ND (RL 0.77)	Metal to CMU
06A-080124-FR	North Side Center Door Frame	New White Caulk	25 LF	ND (RL 0.67)	Metal to CMU

Sample No.	Sample Location	Material Color & Type	Quantity	PCB Content (Mg/Kg)	Substrate
06B-080124-FR	North Side Center Door Frame	New White Caulk	25 LF	ND (RL 0.79)	Metal to CMU
07A-080124-FR	North Side Center Window	Gray Caulk	10 LF	ND (RL 0.93)	Glass to Metal
07B-080124-FR	North Side Center Window	Gray Caulk	10 LF	ND (RL 0.63)	Glass to Metal
08A-080124-FR	Northwest Corner Door Frame	Light Gray Caulk	20 LF	ND (RL 1)	Metal to CMU
08B-080124-FR	Northwest Corner Door Frame	Light Gray Caulk	20 LF	ND (RL 1)	Metal to CMU
Building A					
09A-080124-FR	**Walkway to Building SE**	**Old Gray Caulk**	**45 LF**	**1.9 (RL 0.55)**	**Concrete to Metal**
09B-080124-FR	**Walkway to Building SE**	**Old Gray Caulk**	**45 LF**	**1.6 (RL 1)**	**Concrete to Metal**
10A-080124-FR	**Walkway Repair Center East**	**Black Caulk**	**25 LF**	**1.9 (RL 0.93)**	**Concrete**
10B-080124-FR	**Walkway Repair Center East**	**Black Caulk**	**25 LF**	**1 (RL 0.96)**	**Concrete**
11A-080124-FR	Bank Deposit Box	Black Caulk	10 LF	ND (RL 0.97)	Metal to Slate
11B-080124-FR	Bank Deposit Box	Black Caulk	10 LF	ND (RL 0.71)	Metal to Slate
12A-080124-FR	Toby's Door Frame SE Corner Vertical	Gray Caulk	25 LF	ND (RL 0.78)	Metal to Metal
12B-080124-FR	Toby's Door Frame SE Corner Vertical	Gray Caulk	25 LF	ND (RL 0.78)	Metal to Metal
13A-080124-FR	**East Face throughout Vertical and Horizontal**	**White Caulk**	**500 LF**	**ND (RL 0.85)**	**Metal to Brick**
13B-080124-FR	**East Face throughout Vertical and Horizontal**	**White Caulk**	**500 LF**	**1.3 (RL 0.68)**	**Metal to Brick**
14A-080124-FR	**Doorway to 2nd Floor Lobby**	**Gray Caulk**	**30 LF**	**1.3 (RL 0.7)**	**Metal to Stone**
14B-080124-FR	**Doorway to 2nd Floor Lobby**	**Gray Caulk**	**30 LF**	**0.79 (RL 0.64)**	**Metal to Stone**
15A-080124-FR	Northeast Corner Windows	Clear Caulk	50 LF	ND (RL 0.95)	Glass to Metal
15B-080124-FR	Northeast Corner Windows	Clear Caulk	50 LF	ND (RL 0.9)	Glass to Metal
16A-080124-FR	Bank Window South	Milky White Caulk	20 LF	ND (RL 0.83)	Brick to Metal
16B-080124-FR	Bank Window South	Milky White Caulk	20 LF	ND (RL 0.9)	Brick to Metal
17A-080124-FR	Door Frame West Throughout	Light Gray Caulk	100 LF	ND (RL 0.81)	Metal to Brick

Sample No.	Sample Location	Material Color & Type	Quantity	PCB Content (Mg/Kg)	Substrate
17B-080124-FR	Door Frame West Throughout	Light Gray Caulk	100 LF	ND (RL 0.95)	Metal to Brick
18A-080124-FR	West Side Center Door Frame	Silver Caulk	20 LF	ND (RL 0.69)	Metal to Brick
18B-080124-FR	West Side Center Door Frame	Silver Caulk	20 LF	ND (RL 0.83)	Metal to Brick

Table 4
PCB Substrate Sample Analysis Results

Sample No.	Sample Location	Associated PCB Material	Substrate	Distance/Depth in Inches	PCB Content (Mg/Kg)
Building A					
01A-082024-FR	Walkway to Building Southeast Corner	Old Gray Caulk	Concrete	0.5 inches	ND (RL 0.76)
01B-082024-FR	Walkway to Building Southeast Corner	Old Gray Caulk	Concrete	1.0 inches	ND (RL 0.33)
01C-082024-FR	Walkway to Building Southeast Corner	Old Gray Caulk	Concrete	3.0 inches	ND (RL 0.76)
02A-082024-FR	Walkway Repair Center East	Black Caulk	Concrete	0.5 inches	ND (RL 0.32)
02B-082024-FR	Walkway Repair Center East	Black Caulk	Concrete	1.0 inches	ND (RL 0.76)
02C-082024-FR	Walkway Repair Center East	Black Caulk	Concrete	3.0 inches	ND (RL 0.75)
03A-082024-FR	East Face throughout Vertical and Horizontal	White Caulk	Brick	0.5 inches	ND (RL 0.32)
03B-082024-FR	East Face throughout Vertical and Horizontal	White Caulk	Brick	1.0 inches	ND (RL 0.73)
03C-082024-FR	East Face throughout Vertical and Horizontal	White Caulk	Brick	3.0 inches	ND (RL 0.79)
04A-082024-FR	Doorway to 2nd Floor Lobby	Gray Caulk	Stone	0.5 inches	ND (RL 0.8)
04B-082024-FR	Doorway to 2nd Floor Lobby	Gray Caulk	Stone	1.0 inches	ND (RL 0.33)
04C-082024-FR	Doorway to 2nd Floor Lobby	Gray Caulk	Stone	3.0 inches	ND (RL 0.73)
Building B					
05A-082024-FR	Blue Brick to Window Frame	White Caulk	Brick	0.5 inches	ND (RL 0.77)
05B-082024-FR	Blue Brick to Window Frame	White Caulk	Brick	1.0 inches	ND (RL 0.75)
05C-082024-FR	Blue Brick to Window Frame	White Caulk	Brick	3.0 inches	ND (RL 0.74)

Sample No.	Sample Location	Associated PCB Material	Substrate	Distance/Depth in Inches	PCB Content (Mg/Kg)
06A-082024-FR	Concrete Walkway to Building Caulk	White Caulk	Concrete	0.5 inches	ND (RL 0.77)
06B-082024-FR	Concrete Walkway to Building Caulk	White Caulk	Concrete	1.0 inches	ND (RL 0.32)
06C-082024-FR	Concrete Walkway to Building Caulk	White Caulk	Concrete	3.0 inches	ND (RL 0.76)

Table 5
PCB/DEHP-Containing Light Ballasts Inventory

Type	Estimated Quantity
PCB	204
DEHP	0
Total	**204**

Table 6
Mercury-Containing Equipment Inventory

Type	Estimated Quantity
1’ Light Tube	2
2’ Light Tube	0
4’ Light Tube	1515
8’ Light Tube	10
High Intensity Discharge (HID) Light	0
Compact Fluorescent Lamp (CFL)	9
U-Shape Light Tube	176

Appendix A

Limitations

LIMITATIONS

Site: 794-810 and 832-850 Silver Lane, East Hartford, Connecticut

1. This inspection report has been prepared for the exclusive use of the Capital Regional 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. Only visible and accessible areas were included in the scope of work for this inspection.
5. The findings, observations and conclusions presented in this report are limited by the scope of services outlined in our original Agreement (June 21, 2024), 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.

Appendix B

Fuss & O'Neill Inspector Licenses and Accreditations

1000476 SP 1364 -C01-P00478-I

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

1000476-0000476-0000001 of 0000001-C01--1364-00478

EMPLOYER'S COPY
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
CRAIG S CYR

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-062600	001164	09/30/24

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
09/30/24

VALIDATION NO.
03-062600

SIGNATURE COMMISSIONER

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WALLET CARD
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
CRAIG S CYR

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-062600	001164	09/30/24

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Craig Cyr

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

Exam Score: 80%

conducted by:
ATLAS Technical Consultants, LLC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Gregory J. Morsch

Principal Instructor: Gregory Morsch

December 14, 2023
Date of Course

December 14, 2024
Expiration Date

Gregory J. Morsch

Regional Training Director: Gregory Morsch

SIAR - 7600
Certificate Number

December 14, 2023
Examination Date

State of Connecticut

Lookup Detail View

Name

Name
CRAIG S CYR

License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status		Licensure Actions or Pending Charges
Lead Inspector Risk Assessor	2319	09/30/2024	11/30/2023	CRAIG S CYR	ACTIVE	CURRENT	None

Generated on: 12/5/2023 3:00:48 PM

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

Litho in U.S.A.

CERT#: L-303-298

CHEMSCOPE TRAINING DIVISION

LEAD RISK ASSESSOR INITIAL
16HOUR TRAINING CERTIFICATE

Craig Cyr

146 Hartford Road, Manchester CT

Has attended a 16hour course on the subject discipline on

10/16/2023 & 10/17/2023 and has passed a written examination and hands-on skill examination.

Course syllabus includes all required topics of the State of Connecticut DPHAS and EPA. Pre-requisite is the 3-Day Lead Inspector Training.

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: 96%
Exam Date: 10/17/2023
Expiration Date: 10/17/2024

Daniel Sullivan
Training Manager

Chem Scope, Inc.
15 Moulthrop Street
North Haven CT 06473
Phone: 203.865.5605
www.chem-scope.com

Litho in U.S.A.

State of Connecticut

Lookup Detail View

Name

Name
FELIX REVOIR

License Information

lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status		Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	1147	10/31/2024	02/10/2023	FELIX REVOIR	ACTIVE	CURRENT	None

Generated on: 3/20/2024 7:39:29 AM

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

Principal Instructor: Gregory Morsch

August 24, 2023
Date of Course

August 24, 2024
Expiration Date

Gregory J. Morsch

Regional Training Director: Gregory Morsch

SIAR - 7506
Certificate Number

August 24, 2023
Examination Date

1004616 SP 1664 -C01-P04622-I

FELIX REVOIR
FUSS & O'NIEL INC
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

1004616-0004629-0000001 of 0000001-C01-a1d00101-1664-04622

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
LEAD INSPECTOR RISK ASSESSOR

FELIX REVOIR

CERTIFICATE NO.
002320
CURRENT THROUGH
10/31/24
VALIDATION NO.
03-083113

SIGNATURE COMMISSIONER

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
FELIX REVOIR

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-083113	002320	10/31/24

PROFESSION
LEAD INSPECTOR RISK ASSESSOR

SIGNATURE COMMISSIONER

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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.	CERTIFICATE NO.	CURRENT THROUGH
03-083113	002320	10/31/24

PROFESSION
LEAD INSPECTOR RISK ASSESSOR

SIGNATURE COMMISSIONER

CERT#: L-302-420

CHEMSCOPE TRAINING DIVISION

LEAD INSPECTOR INITIAL
24HOUR TRAINING CERTIFICATE

Felix Revoir

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: 95%
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

Litho in U.S.A.

CERT#: L-303-300

CHEMSCOPE TRAINING DIVISION

LEAD RISK ASSESSOR INITIAL
16HOUR TRAINING CERTIFICATE

Felix J. Revoir

146 Hartford Road, Manchester CT

Has attended a 16hour course on the subject discipline on

10/16/2023 & 10/17/2023 and has passed a written examination and hands-on skill examination.

Course syllabus includes all required topics of the State of Connecticut DPHAS and EPA. Pre-requisite is the 3-Day Lead Inspector Training.

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: 98%
Exam Date: 10/17/2023
Expiration Date: 10/17/2024

Daniel Sullivan
Training Manager

Chem Scope, Inc.
15 Moulthrop Street
North Haven CT 06473
Phone: 203.865.5605
www.chem-scope.com

Litho in U.S.A.

1000479 SP 0964 -C01-P00481-I

STACY VANDERVEER
FUSS & O'NEILL INC.
146 HARTFORD RD
MANCHESTER CT 06040-5992

Dear STACY VANDERVEER,

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

1000479-0000009-0000001 of 0000001-C01--0964-00481

EMPLOYER'S COPY
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
NAME
STACY VANDERVEER

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-107913	000866	04/30/25

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

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.

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

STACY VANDERVEER

CERTIFICATE NO.
000866

CURRENT THROUGH
04/30/25

VALIDATION NO.
03-107913

SIGNATURE COMMISSIONER

WALLET CARD
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
NAME
STACY VANDERVEER

VALIDATION NO.	CERTIFICATE NO.	CURRENT THROUGH
03-107913	000866	04/30/25

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE COMMISSIONER

ATLAS

CERTIFICATE OF ACHIEVEMENT

This certifies that

Stacy Vanderveer

has successfully completed the

4 Hour Asbestos Site Inspector Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763

Training held via Live Webinar

Exam Score: 88%

conducted by:
ATLAS Technical Consultants, LLC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Gregory J. Morsch

Principal Instructor: Gregory Morsch

July 25, 2024
Date of Course

July 25, 2025
Expiration Date

Gregory J. Morsch

Regional Training Director: Gregory Morsch

SIAR - 7788
Certificate Number

July 25, 2024
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

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: 20230389.A11 Task 200

Lab Order ID: **10052873**
Analysis: PLM
Date Received: 05/31/2024
Date Reported: 06/07/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
01A-CC-052924	Red Brick	**None Detected**		**100% Other**	Red Non-Fibrous Homogeneous
10052873_0001					Crushed
01B-CC-052924	Red Brick	**None Detected**		**100% Other**	Red Non-Fibrous Homogeneous
10052873_0002					Crushed
02A-CC-052924	Gray Mortar Associated with Red Brick	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0003					Crushed
02B-CC-052924	Gray Mortar Associated with Red Brick	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0004					Crushed
03A-CC-052924	2"X2" Green Ceramic Tile	**None Detected**		**100% Other**	Green, White Non-Fibrous Homogeneous
10052873_0005					Crushed
03B-CC-052924	2"X2" Green Ceramic Tile	**None Detected**		**100% Other**	Green, White Non-Fibrous Homogeneous
10052873_0006					Crushed
03C-CC-052924	2"X2" Green Ceramic Tile	**None Detected**		**100% Other**	Green, White Non-Fibrous Homogeneous
10052873_0007					Crushed
04A-CC-052924	1"X2" Light Green Ceramic Tile	**None Detected**		**100% Other**	Green, White Non-Fibrous Homogeneous
10052873_0008					Crushed

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Heather Boykin (135)
Analyst

Approved Signatory

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888

Bulk Asbestos Analysis

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40 CFR, Part 763, Subpart E, App.E

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Lab Order ID: **10052873**
Analysis: PLM
Date Received: 05/31/2024
Date Reported: 06/07/2024

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
04B-CC-052924	1"X2" Light Green Ceramic Tile	**None Detected**		**100% Other**	Green, White Non-Fibrous Homogeneous
10052873_0009					Crushed
04C-CC-052924	1"X2" Light Green Ceramic Tile	**None Detected**		**100% Other**	Green, White Non-Fibrous Homogeneous
10052873_0010					Crushed
05A-CC-052924	1"X1" Light Green Ceramic Tile	**None Detected**		**100% Other**	Green, White Non-Fibrous Homogeneous
10052873_0011					Crushed
05B-CC-052924	1"X1" Light Green Ceramic Tile	**None Detected**		**100% Other**	Green, White Non-Fibrous Homogeneous
10052873_0012					Crushed
05C-CC-052924	1"X1" Light Green Ceramic Tile	**None Detected**		**100% Other**	Green, White Non-Fibrous Homogeneous
10052873_0013					Crushed
06A-CC-052924	White Grout Associated With 2"X2" Green Tile	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10052873_0014					Crushed
06B-CC-052924	White Grout Associated With 1"X2" Light Green Tile	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10052873_0015					Crushed
06C-CC-052924	White Grout Associated With 1"X1" Light Green Tile	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10052873_0016					Crushed

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Project: 20230389.A11 Task 200

Lab Order ID: **10052873**
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Date Reported: 06/07/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
07A-CC-052924	Gray Thin Set Associated With 2"X2" Green Tile	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0017					Crushed
07B-CC-052924	Gray Thin Set Associated With 1"X2" Light Green Tile	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0018					Crushed
07C-CC-052924	Gray Thin Set Associated With 1"X1" Light Green Tile	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0019					Crushed
08A-CC-052924	Light Tan ½" Drywall Under Green Tiles	**None Detected**	**5% Cellulose**	**95% Other**	Tan Non-Fibrous Homogeneous
10052873_0020					Crushed
08B-CC-052924	Light Tan ½" Drywall Under Green Tiles	**None Detected**	**5% Cellulose**	**95% Other**	Tan Non-Fibrous Homogeneous
10052873_0021					Crushed
08C-CC-052924	Light Tan ½" Drywall Under Green Tiles	**None Detected**	**5% Cellulose**	**95% Other**	Tan Non-Fibrous Homogeneous
10052873_0022					Crushed
09A-CC-052924	Gray Mortar/Thin Set Associated with Gray-Blue Slate	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0023					Crushed
09B-CC-052924	Gray Mortar/Thin Set Associated with Gray-Blue Slate	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0024					Crushed

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Date Reported: 06/07/2024

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
09C-CC-052924	Gray Mortar/Thin Set Associated with Gray-Blue Slate	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0025					Crushed
10A-CC-052924	Gray Mortar Associated with Stone Masonry Wall	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0026					Crushed
10B-CC-052924	Gray Mortar Associated with Stone Masonry Wall	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0027					Crushed
11A-CC-052924	Gray Cementitious Walkway Perforated Ceiling Panel	**17% Chrysotile**	**20% Cellulose**	**63% Other**	Gray, White Non-Fibrous Homogeneous
10052873_0028					Crushed
11B-CC-052924	Gray Cementitious Walkway Perforated Ceiling Panel	**Not Analyzed**			
10052873_0029					
12A-CC-052924	Gray Window Glazing	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0030					Crushed
12B-CC-052924	Gray Window Glazing	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0031					Crushed
13A-CC-052924	Black/White Walkway Seam Calk	**3% Chrysotile**		**97% Other**	Gray, Tan Non-Fibrous Homogeneous
10052873_0032					Ashed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
13B-CC-052924	Black/White Walkway Seam Calk	**Not Analyzed**			
10052873_0033					
14A-CC-052924	Gray 4"X4" Ceramic Tile	**None Detected**		**100% Other**	White, Gray Non-Fibrous Homogeneous
10052873_0034					Crushed
14B-CC-052924	Gray 4"X4" Ceramic Tile	**None Detected**		**100% Other**	White, Gray Non-Fibrous Homogeneous
10052873_0035					Crushed
14C-CC-052924	Gray 4"X4" Ceramic Tile	**None Detected**		**100% Other**	White, Gray Non-Fibrous Homogeneous
10052873_0036					Crushed
15A-CC-052924	White Thin Set/Grout Associated with Gray 4"X4" Tile	**None Detected**		**100% Other**	Off-white Non-Fibrous Homogeneous
10052873_0037					Crushed
15B-CC-052924	White Thin Set/Grout Associated with Gray 4"X4" Tile	**None Detected**		**100% Other**	Off-white Non-Fibrous Homogeneous
10052873_0038					Crushed
15C-CC-052924	White Thin Set/Grout Associated with Gray 4"X4" Tile	**None Detected**		**100% Other**	Off-white Non-Fibrous Homogeneous
10052873_0039					Crushed
16A-CC-052924	Gray Hard Caulk	**None Detected**		**100% Other**	Yellow, Gray Non-Fibrous Homogeneous
10052873_0040					Crushed

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Date Received: 05/31/2024
Date Reported: 06/07/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
16B-CC-052924	Gray Hard Caulk	**None Detected**		**100% Other**	Yellow, Gray Non-Fibrous Homogeneous
10052873_0041					Crushed
17A-CC-052924	White Caulk	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10052873_0042					Ashed
17B-CC-052924	White Caulk	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10052873_0043					Ashed
18A-CC-052924	White Vertical Tacky Calk	**6% Chrysotile**		**94% Other**	Black, Gray Non-Fibrous Homogeneous
10052873_0044					Ashed
18B-CC-052924	White Vertical Tacky Calk	**Not Analyzed**			
10052873_0045					
19A-CC-052924	Light Gray Walkway - Building Horizontal Joint Caulk	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0046					Ashed
19B-CC-052924	Light Gray Walkway - Building Horizontal Joint Caulk	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0047					Ashed
20A-CC-052924	New White Walkway - Building Horizontal Joint Caulk	**None Detected**		**100% Other**	Brown, Gray Non-Fibrous Homogeneous
10052873_0048					Ashed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
20B-CC-052924	New White Walkway - Building Horizontal Joint Caulk	**None Detected**		**100% Other**	Brown, Gray Non-Fibrous Homogeneous
10052873_0049					Ashed
21A-CC-052924	Gray Vertical Frame - Frame Caulk	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0050					Ashed
21B-CC-052924	Gray Vertical Frame - Frame Caulk	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0051					Ashed
22A-CC-052924	Gray Door Frame/ Louver Caulk	**None Detected**		**100% Other**	Black, Gray Non-Fibrous Homogeneous
10052873_0052					Ashed
22B-CC-052924	Gray Door Frame/ Louver Caulk	**None Detected**		**100% Other**	Black, Gray Non-Fibrous Homogeneous
10052873_0053					Ashed
23A-CC-052924	Black Tar/Cork Walkway Expansion Joint	**None Detected**		**100% Other**	Brown, Black Non-Fibrous Homogeneous
10052873_0054					Dissolved
23B-CC-052924	Black Tar/Cork Walkway Expansion Joint	**None Detected**		**100% Other**	Brown, Black Non-Fibrous Homogeneous
10052873_0055					Dissolved
24A-CC-052924	Clear/White Caulk	**None Detected**		**100% Other**	White, Transparent Non-Fibrous Homogeneous
10052873_0056					Ashed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
24B-CC-052924	Clear/White Caulk	**None Detected**		**100% Other**	White, Transparent Non-Fibrous Homogeneous
10052873_0057					Ashed
25A-CC-052924	Silver Door Frame/ Window Caulk	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0058					Ashed
25B-CC-052924	Silver Door Frame/ Window Caulk	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0059					Ashed
26A-CC-052924	Black Caulk Around Bank Mail Drop	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10052873_0060					Ashed
26B-CC-052924	Black Caulk Around Bank Mail Drop	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10052873_0061					Ashed
27A-CC-052924	Clear Caulk on Door Fame	**None Detected**		**100% Other**	Transparent Non-Fibrous Homogeneous
10052873_0062					Ashed
27B-CC-052924	Clear Caulk on Louver	**None Detected**		**100% Other**	Transparent Non-Fibrous Homogeneous
10052873_0063					Ashed
27C-CC-052924	Clear Caulk on Window Support	**None Detected**		**100% Other**	Transparent Non-Fibrous Homogeneous
10052873_0064					Ashed

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Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
01A-FR-052924	4-Ply Tar Roof Wall Base Flashing	**None Detected**	**40% Cellulose**	**60% Other**	Black Non-Fibrous Homogeneous
10052873_0065					Dissolved
01B-FR-052924	4-Ply Tar Roof Wall Base Flashing	**None Detected**	**40% Cellulose**	**60% Other**	Black Non-Fibrous Homogeneous
10052873_0066					Dissolved
01C-FR-052924	4-Ply Tar Roof Wall Base Flashing	**None Detected**	**40% Cellulose**	**60% Other**	Black Non-Fibrous Homogeneous
10052873_0067					Dissolved
01D-FR-052924	4-Ply Tar Roof Wall Base Flashing	**None Detected**	**40% Cellulose**	**60% Other**	Black Non-Fibrous Homogeneous
10052873_0068					Dissolved
01E-FR-052924	4-Ply Tar Roof Wall Base Flashing	**None Detected**	**40% Cellulose**	**60% Other**	Black Non-Fibrous Homogeneous
10052873_0069					Dissolved
01F-FR-052924	4-Ply Tar Roof Wall Base Flashing	**None Detected**	**40% Cellulose**	**60% Other**	Black Non-Fibrous Homogeneous
10052873_0070					Dissolved
01G-FR-052924	4-Ply Tar Roof Wall Base Flashing	**None Detected**	**40% Cellulose**	**60% Other**	Black Non-Fibrous Homogeneous
10052873_0071					Dissolved
02A-FR-052924	4-Ply Tar Roof Edge Flashing	**6% Chrysotile**	**20% Fiber Glass**	**74% Other**	Black Non-Fibrous Homogeneous
10052873_0072					Dissolved

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
02B-FR-052924	4-Ply Tar Roof Edge Flashing	**Not Analyzed**			
10052873_0073					
02C-FR-052924	4-Ply Tar Roof Edge Flashing	**Not Analyzed**			
10052873_0074					
02D-FR-052924	4-Ply Tar Roof Edge Flashing	**Not Analyzed**			
10052873_0075					
02E-FR-052924	4-Ply Tar Roof Edge Flashing	**Not Analyzed**			
10052873_0076					
02F-FR-052924	4-Ply Tar Roof Edge Flashing	**Not Analyzed**			
10052873_0077					
02G-FR-052924	4-Ply Tar Roof Edge Flashing	**Not Analyzed**			
10052873_0078					
03A-FR-052924	4-Ply Tar Roof Field -	**None Detected**	**40% Fiber Glass**	**60% Other**	Black, Tan Fibrous Heterogeneous
10052873_0079					Dissolved
03B-FR-052924	4-Ply Tar Roof Field -	**None Detected**	**40% Fiber Glass**	**60% Other**	Black, Tan Fibrous Heterogeneous
10052873_0080					Dissolved

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Heather Boykin (135)
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

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: 20230389.A11 Task 200

Lab Order ID: **10052873**
Analysis: PLM
Date Received: 05/31/2024
Date Reported: 06/07/2024

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
03C-FR-052924	4-Ply Tar Roof Field -	None Detected	40% Fiber Glass	60% Other	Black, Tan Fibrous Heterogeneous
10052873_0081					Dissolved
03D-FR-052924	4-Ply Tar Roof Field -	None Detected	40% Fiber Glass	60% Other	Tan, Black Fibrous Heterogeneous
10052873_0082					Dissolved
03E-FR-052924	4-Ply Tar Roof Field -	None Detected	40% Fiber Glass	60% Other	Black, Tan Fibrous Heterogeneous
10052873_0083					Dissolved
03F-FR-052924	4-Ply Tar Roof Field -	None Detected	40% Fiber Glass	60% Other	Tan, Black Fibrous Heterogeneous
10052873_0084					Dissolved
03G-FR-052924	4-Ply Tar Roof Field -	None Detected	40% Fiber Glass	60% Other	Black, Tan Fibrous Heterogeneous
10052873_0085					Dissolved
04A-FR-052924	lso Foam Paperback Under 4-Ply Tar Roof Field	None Detected	30% Cellulose	70% Other	Black, Tan Fibrous Heterogeneous
10052873_0086					Dissolved
04B-FR-052924	lso Foam Paperback Under 4-Ply Tar Roof Field	None Detected	30% Cellulose	70% Other	Black, Yellow Fibrous Heterogeneous
10052873_0087					Dissolved
04C-FR-052924	lso Foam Paperback Under 4-Ply Tar Roof Field	None Detected	30% Cellulose	70% Other	Black, Orange Fibrous Heterogeneous
10052873_0088					Dissolved

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Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: 20230389.A11 Task 200

Lab Order ID: **10052873**
Analysis: PLM
Date Received: 05/31/2024
Date Reported: 06/07/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
04D-FR-052924	lso Foam Paperback Under 4-Ply Tar Roof Field	**None Detected**	**30% Cellulose**	**70% Other**	Black, Orange Fibrous Heterogeneous
10052873_0089					Dissolved
04E-FR-052924	lso Foam Paperback Under 4-Ply Tar Roof Field	**None Detected**	**30% Cellulose**	**70% Other**	Orange, Black Fibrous Heterogeneous
10052873_0090					Dissolved
04F-FR-052924	lso Foam Paperback Under 4-Ply Tar Roof Field	**None Detected**	**30% Cellulose**	**70% Other**	Yellow, Black Fibrous Heterogeneous
10052873_0091					Dissolved
04G-FR-052924	lso Foam Paperback Under 4-Ply Tar Roof Field	**None Detected**	**30% Cellulose**	**70% Other**	Orange, Black Fibrous Heterogeneous
10052873_0092					Dissolved
05A-FR-052924	Silver Paint on Roof Vent/Equipment Flashings	**3% Chrysotile**		**97% Other**	Silver Non-Fibrous Homogeneous
10052873_0093					Dissolved
05B-FR-052924	Silver Paint on Roof Vent/Equipment Flashings	**Not Analyzed**			
10052873_0094					
06A-FR-052924	White Caulk on Roof Vent/Equipment	**3% Chrysotile**		**97% Other**	Cream, Silver Non-Fibrous Homogeneous
10052873_0095					Ashed
06B-FR-052924	White Caulk on Roof Vent/Equipment	**Not Analyzed**			
10052873_0096					

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: 20230389.A11 Task 200

Lab Order ID: **10052873**
Analysis: PLM
Date Received: 05/31/2024
Date Reported: 06/07/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
07A-FR-052924	Red Brick	**None Detected**		**100% Other**	Red Non-Fibrous Homogeneous
10052873_0097					Crushed
07B-FR-052924	Red Brick	**None Detected**		**100% Other**	Red Non-Fibrous Homogeneous
10052873_0098					Crushed
08A-FR-052924	Gray Mortar Associated with Red Brick	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0099					Crushed
08B-FR-052924	Gray Mortar Associated with Red Brick	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0100					Crushed
09A-FR-052924	Light Gray CMU Brick	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0101					Crushed
09B-FR-052924	Light Gray CMU Brick	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0102					Crushed
10A-FR-052924	Gray Mortar Associated with Light Gray CMU Brick	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0103					Crushed
10B-FR-052924	Gray Mortar Associated with Light Gray CMU Brick	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0104					Crushed

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: 20230389.A11 Task 200

Lab Order ID: **10052873**
Analysis: PLM
Date Received: 05/31/2024
Date Reported: 06/07/2024

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
11A-FR-052924	Gray Perforated Cementitious Walkway Ceiling Panel	**15% Chrysotile**	**20% Cellulose**	**65% Other**	White, Tan Non-Fibrous Homogeneous
10052873_0105					Crushed
11B-FR-052924	Gray Perforated Cementitious Walkway Ceiling Panel	**Not Analyzed**			
10052873_0106					
12A-FR-052924	Light Gray Walkway - Building Horizontal Caulk	**6% Chrysotile**		**94% Other**	Gray Non-Fibrous Homogeneous
10052873_0107					Crushed
12B-FR-052924	Light Gray Walkway - Building Horizontal Caulk	**Not Analyzed**			
10052873_0108					
13A-FR-052924	White Vertical Blue Brick - Window Frame Caulk	**5% Chrysotile**		**95% Other**	White, Gray Non-Fibrous Homogeneous
10052873_0109					Ashed
13B-FR-052924	White Vertical Blue Brick - Window Frame Caulk	**Not Analyzed**			
10052873_0110					
14A-FR-052924	Black Vertical Brick - Window Frame Caulk	**3% Chrysotile**		**97% Other**	Black Non-Fibrous Homogeneous
10052873_0111					Ashed
14B-FR-052924	Black Vertical Brick - Window Frame Caulk	**Not Analyzed**			
10052873_0112					

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Heather Boykin (135)
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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: 20230389.A11 Task 200

Lab Order ID: **10052873**
Analysis: PLM
Date Received: 05/31/2024
Date Reported: 06/07/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
15A-FR-052924	Red Vertical Window Frame - Wall Seam Caulk	**None Detected**		**100% Other**	Maroon Non-Fibrous Homogeneous
10052873_0113					Ashed
15B-FR-052924	Red Vertical Window Frame - Wall Seam Caulk	**None Detected**		**100% Other**	Maroon Non-Fibrous Homogeneous
10052873_0114					Ashed
16A-FR-052924	Light Gray Glass - Window Frame Caulk	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0115					Ashed
16B-FR-052924	Light Gray Glass - Window Frame Caulk	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0116					Ashed
17A-FR-052924	Tan-Gray Vertical Frame Seam Caulk	**7% Chrysotile**		**93% Other**	Gray Non-Fibrous Homogeneous
10052873_0117					Ashed
17B-FR-052924	Tan-Gray Vertical Frame Seam Caulk	**Not Analyzed**			
10052873_0118					
18A-FR-052924	White Doorframe Caulk	**3% Chrysotile**		**97% Other**	White Non-Fibrous Homogeneous
10052873_0119					Ashed
18B-FR-052924	White Doorframe Caulk	**Not Analyzed**			
10052873_0120					

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
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NVLAP LAB CODE 200664-0

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146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: 20230389.A11 Task 200

Lab Order ID: **10052873**
Analysis: PLM
Date Received: 05/31/2024
Date Reported: 06/07/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
19A-FR-052924	White New Door Frame Caulk	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10052873_0121					Ashed
19B-FR-052924	White New Door Frame Caulk	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10052873_0122					Ashed
20A-FR-052924	Gray Window Caulk	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0123					Ashed
20B-FR-052924	Gray Window Caulk	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0124					Ashed
21A-FR-052924	Light Gray Door Frame Caulk	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0125					Ashed
21B-FR-052924	Light Gray Door Frame Caulk	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10052873_0126					Ashed
22A-FR-052924	Clear Door Window Caulk	**None Detected**		**100% Other**	Transparent Non-Fibrous Homogeneous
10052873_0127					Ashed
22B-FR-052924	Clear Door Window Caulk	**None Detected**		**100% Other**	Transparent Non-Fibrous Homogeneous
10052873_0128					Ashed

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: 20230389.A11 Task 200

Lab Order ID: **10052873**
Analysis: PLM
Date Received: 05/31/2024
Date Reported: 06/07/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
bag not numbered		**None Detected**		**100% Other**	Transparent Non-Fibrous Homogeneous
10052873_0129	*clear caulk - not on coc*				Ashed
bag not numbered		**None Detected**		**100% Other**	Transparent Non-Fibrous Homogeneous
10052873_0130	*clear caulk - not on coc*				Ashed
bag not numbered		**None Detected**		**100% Other**	Transparent Non-Fibrous Homogeneous
10052873_0131	*clear caulk - not on coc*				Ashed
bag not numbered		**None Detected**		**100% Other**	Gray, White Non-Fibrous Homogeneous
10052873_0132	*ceramic tile - not on coc*				Crushed
bag not numbered		**None Detected**		**100% Other**	Off-white Non-Fibrous Homogeneous
10052873_0133	*thinset - not on coc*				Crushed
bag not numbered		**None Detected**		**100% Other**	Gray, White Non-Fibrous Homogeneous
10052873_0134	*ceramic tile - not on coc*				Crushed
bag not numbered		**None Detected**		**100% Other**	Off-white Non-Fibrous Homogeneous
10052873_0135	*thinset - not on coc*				Crushed

Heather Boykin (135)
Analyst

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Scientific Analytical Institute
4604 Dundas Dr. Greensboro, NC 27407
Phone: 336.292.3888 Fax: 336.292.3313
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Lab Use Only
Lab Order ID: 10052873
Client Code: _____

Company Contact Information

Company: Fuss & O'Neill, Inc.	Contact: Carlos Texidor
Address: 146 Hartford Road Manchester, CT 06040	Phone ☐: 860-646-2469
	Fax ☐:
	Email ☒: LabResults@fando.com & carlos.texidor@fando.com

Billing/Invoice Information

Company: Fuss & O'Neill, Inc.

Contact: Carlos Texidor

Address: 146 Hartford Road
Manchester, CT 06040

Turn Around Times

90 Min. ☐	48 Hours ☐
3 Hours ☐	72 Hours ☐
6 Hours ☐	96 Hours ☐
12 Hours ☐	120 Hours ☐
24 Hours ☐	6 Days ☒

PO Number: 20230389.A11 Task 200

Project Name/Number: 20230389.A11 Task 200

***No TEM-NOB Analysis

***Stop Positive for samples of each set.

Asbestos Test Types

PLM EPA 600/R-93/116 (PLM)	☒
Positive stop	☒
PLM Point Count 400 (PT4)	☐
PLM Point Count 1000 (PTM)	☐
PCM NIOSH 7400-A Rules (PCM)	☐
B Rules (PCB) ☐ TWA (PTA) ☐	
TEM AHERA (AHE)	☐
TEM Level II (LII)	☐
TEM NIOSH 7402 (TNI)	☐
TEM Bulk Qualitative (TBL)	☐
TEM Bulk Chatfield (TBS)	☐
TEM Bulk Quantitative (TBQ)	☐
TEM Wipe ASTM D6480-05	☐
TEM Microvac ASTM D5755-09	☐
TEM Water EPA 100.2 (TW1)	☐
Other: _____	☐

Sample ID #	Location	Description	Quantity
	Building A Exterior		
01A-CC-052924	Building A – SE Corner	Red Brick	15000 SF
01B-CC-052924	Building A – NW Corner	Red Brick	15000 SF
02A-CC-052924	Building A – SE Corner	Gray Mortar Associated with Red Brick	15000 SF
02B-CC-052924	Building A – NW Corner	Gray Mortar Associated with Red Brick	15000 SF
03A-CC-052924	Building A – E Side Center Right	2"X2" Green Ceramic Tile	33 SF
03B-CC-052924	Building A – E Side Center Right	2"X2" Green Ceramic Tile	33 SF
03C-CC-052924	Building A – E Side Center Right	2"X2" Green Ceramic Tile	33 SF
04A-CC-052924	Building A – E Side Center Right	1"X2" Light Green Ceramic Tile	33 SF
04B-CC-052924	Building A – E Side Center Right	1"X2" Light Green Ceramic Tile	33 SF
04C-CC-052924	Building A – E Side Center Right	1"X2" Light Green Ceramic Tile	33 SF
05A-CC-052924	Building A – E Side Center Right	1"X1" Light Green Ceramic Tile	33 SF
05B-CC-052924	Building A – E Side Center Right	1"X1" Light Green Ceramic Tile	33 SF
05C-CC-052924	Building A – E Side Center Right	1"X1" Light Green Ceramic Tile	33 SF

Accepted ☒
Rejected ☐

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Lab Use Only
Lab Order ID: 2873
Client Code: _____

06A-CC-052924	Building A – E Side Center Right	White Grout Associated With 2"X2" Green Tile	33 SF
06B-CC-052924	Building A – E Side Center Right	White Grout Associated With 1"X2" Light Green Tile	33 SF
06C-CC-052924	Building A – E Side Center Right	White Grout Associated With 1"X1" Light Green Tile	33 SF
07A-CC-052924	Building A – E Side Center Right	Gray Thin Set Associated With 2"X2" Green Tile	33 SF
07B-CC-052924	Building A – E Side Center Right	Gray Thin Set Associated With 1"X2" Light Green Tile	33 SF
07C-CC-052924	Building A – E Side Center Right	Gray Thin Set Associated With 1"X1" Light Green Tile	33 SF
08A-CC-052924	Building A – E Side Center Right	Light Tan ½" Drywall Under Green Tiles	33 SF
08B-CC-052924	Building A – E Side Center Right	Light Tan ½" Drywall Under Green Tiles	33 SF
08C-CC-052924	Building A – E Side Center Right	Light Tan ½" Drywall Under Green Tiles	33 SF
09A-CC-052924	Building A – SE Corner	Gray Mortar/Thin Set Associated with Gray-Blue Slate	66 SF
09B-CC-052924	Building A – SE Corner	Gray Mortar/Thin Set Associated with Gray-Blue Slate	66 SF
09C-CC-052924	Building A – SE Corner	Gray Mortar/Thin Set Associated with Gray-Blue Slate	66 SF
10A-CC-052924	Building A – E Side Center	Gray Mortar Associated with Stone Masonry Wall	120 SF
10B-CC-052924	Building A – E Side Center	Gray Mortar Associated with Stone Masonry Wall	120 SF
11A-CC-052924	Building A – E Side Throughout	Gray Cementitious Walkway Perforated Ceiling Panel	1550 SF
11B-CC-052924	Building A – E Side Throughout	Gray Cementitious Walkway Perforated Ceiling Panel	1550 SF
12A-CC-052924	Building A – Interior N 2nd Floor Window	Gray Window Glazing	1650 LF
12B-CC-052924	Building A – Interior S 2nd Floor Window	Gray Window Glazing	1650 LF
13A-CC-052924	Building A – E Side Center	Black/White Walkway Seam Calk	5 LF
13B-CC-052924	Building A – E Side Center	Black/White Walkway Seam Calk	5 LF
14A-CC-052924	Building A – E Side 2nd Floor Exterior	Gray 4"X4" Ceramic Tile	900 SF
14B-CC-052924	Building A – E Side 2nd Floor Exterior	Gray 4"X4" Ceramic Tile	900 SF
14C-CC-052924	Building A – E Side 2nd Floor Exterior	Gray 4"X4" Ceramic Tile	900 SF
15A-CC-052924	Building A – E Side 2nd Floor Exterior	White Thin Set/Grout Associated with Gray 4"X4" Tile	900 SF
15B-CC-052924	Building A – E Side 2nd Floor Exterior	White Thin Set/Grout Associated with Gray 4"X4" Tile	900 SF
15C-CC-052924	Building A – E Side 2nd Floor Exterior	White Thin Set/Grout Associated with Gray 4"X4" Tile	900 SF
16A-CC-052924	Building A – E Side 2nd Floor Lobby Doorframe	Gray Hard Caulk	25 LF
16B-CC-052924	Building A – E Side 2nd Floor Lobby Doorframe	Gray Hard Caulk	25 LF
17A-CC-052924	Building A – N 2nd Floor Window Frame	White Caulk	500 LF
17B-CC-052924	Building A – S 2nd Floor Window Frame	White Caulk	500 LF
18A-CC-052924	Building A – E Side, N End	White Vertical Tacky Calk	150 LF
18B-CC-052924	Building A – E Side, S End	White Vertical Tacky Calk	150 LF

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Lab Use Only
Lab Order ID: 2813
Client Code: _____

19A-CC-052924	Building A – E Side, N End	Light Gray Walkway – Building Horizontal Joint Caulk	170 LF
19B-CC-052924	Building A – E Side, Center	Light Gray Walkway – Building Horizontal Joint Caulk	170 LF
20A-CC-052924	Building A – E Side, N End	New White Walkway – Building Horizontal Joint Caulk	50 LF
20B-CC-052924	Building A – E Side, N End	New White Walkway – Building Horizontal Joint Caulk	50 LF
21A-CC-052924	Building A – E Side Center Left	Gray Vertical Frame – Frame Caulk	30 LF
21B-CC-052924	Building A – E Side Center Left	Gray Vertical Frame – Frame Caulk	30 LF
22A-CC-052924	Building A – W Side, N End	Gray Door Frame/ Louver Caulk	100 LF
22B-CC-052924	Building A – W Side Center Right	Gray Door Frame/ Louver Caulk	100 LF
23A-CC-052924	Building A – E Side Throughout	Black Tar/Cork Walkway Expansion Joint	175 LF
23B-CC-052924	Building A – E Side Throughout	Black Tar/Cork Walkway Expansion Joint	175 LF
24A-CC-052924	Building A – S Side Bank Drive Through Window	Clear/White Caulk	22 LF
24B-CC-052924	Building A – S Side Bank Drive Through Window	Clear/White Caulk	22 LF
25A-CC-052924	Building A – W Side, S End	Silver Door Frame/ Window Caulk	35 LF
25B-CC-052924	Building A – W Side, S End	Silver Door Frame/ Window Caulk	35LF
26A-CC-052924	Building A – E Side, S End	Black Caulk Around Bank Mail Drop	6 LF
26B-CC-052924	Building A – E Side, S End	Black Caulk Around Bank Mail Drop	6 LF
27A-CC-052924	Building A – W Side, S End	Clear Caulk on Door Fame	55 LF
27B-CC-052924	Building A – W Side, S End	Clear Caulk on Louver	55 LF
27C-CC-052924	Building A – E Side, N End	Clear Caulk on Window Support	55 LF
	Building B Exterior		
01A-FR-052924	Building B – Center S Upper Roof	4-Ply Tar Roof Wall Base Flashing	665 LF
01B-FR-052924	Building B – Center E Upper Roof	4-Ply Tar Roof Wall Base Flashing	665 LF
01C-FR-052924	Building B – NE Upper Roof	4-Ply Tar Roof Wall Base Flashing	665 LF
01D-FR-052924	Building B – NW Upper Roof	4-Ply Tar Roof Wall Base Flashing	665 LF
01E-FR-052924	Building B – SW Upper Roof	4-Ply Tar Roof Wall Base Flashing	665 LF
01F-FR-052924	Building B – SW Lower Roof	4-Ply Tar Roof Wall Base Flashing	665 LF
01G-FR-052924	Building B – SE Lower Roof	4-Ply Tar Roof Wall Base Flashing	665 LF
02A-FR-052924	Building B – Center S Upper Roof	4-Ply Tar Roof Edge Flashing	900 SF
02B-FR-052924	Building B – Center E Upper Roof	4-Ply Tar Roof Edge Flashing	900 SF
02C-FR-052924	Building B – NE Upper Roof	4-Ply Tar Roof Edge Flashing	900 SF
02D-FR-052924	Building B – NW Upper Roof	4-Ply Tar Roof Edge Flashing	900 SF
02E-FR-052924	Building B – SW Upper Roof	4-Ply Tar Roof Edge Flashing	900 SF
02F-FR-052924	Building B – SW Lower Roof	4-Ply Tar Roof Edge Flashing	900 SF

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02G-FR-052924	Building B – SE Lower Roof	4-Ply Tar Roof Edge Flashing	900 SF
03A-FR-052924	Building B – Center S Upper Roof	4-Ply Tar Roof Field -	18300 SF
03B-FR-052924	Building B – Center E Upper Roof	4-Ply Tar Roof Field -	18300 SF
03C-FR-052924	Building B – NE Upper Roof	4-Ply Tar Roof Field -	18300 SF
03D-FR-052924	Building B – NW Upper Roof	4-Ply Tar Roof Field -	18300 SF
03E-FR-052924	Building B – SW Upper Roof	4-Ply Tar Roof Field -	18300 SF
03F-FR-052924	Building B – SW Lower Roof	4-Ply Tar Roof Field -	18300 SF
03G-FR-052924	Building B – SE Lower Roof	4-Ply Tar Roof Field -	18300 SF
04A-FR-052924	Building B – Center S Upper Roof	Iso Foam Paperback Under 4-Ply Tar Roof Field	18300 SF
04B-FR-052924	Building B – Center E Upper Roof	Iso Foam Paperback Under 4-Ply Tar Roof Field	18300 SF
04C-FR-052924	Building B – NE Upper Roof	Iso Foam Paperback Under 4-Ply Tar Roof Field	18300 SF
04D-FR-052924	Building B – NW Upper Roof	Iso Foam Paperback Under 4-Ply Tar Roof Field	18300 SF
04E-FR-052924	Building B – SW Upper Roof	Iso Foam Paperback Under 4-Ply Tar Roof Field	18300 SF
04F-FR-052924	Building B – NE Upper Roof	Iso Foam Paperback Under 4-Ply Tar Roof Field	18300 SF
04G-FR-052924	Building B – NW Upper Roof	Iso Foam Paperback Under 4-Ply Tar Roof Field	18300 SF
05A-FR-052924	Building B – NW Roof	Silver Paint on Roof Vent/Equipment Flashings	85 SF
05B-FR-052924	Building B – W Center Roof	Silver Paint on Roof Vent/Equipment Flashings	85 SF
06A-FR-052924	Building B – NW Roof	White Caulk on Roof Vent/Equipment	40 LF
06B-FR-052924	Building B – NW Roof	White Caulk on Roof Vent/Equipment	40 LF
07A-FR-052924	Building B – NE Corner	Red Brick	3000 SF
07B-FR-052924	Building B – SW Corner	Red Brick	3000 SF
08A-FR-052924	Building B – NE Corner	Gray Mortar Associated with Red Brick	3000 SF
08B-FR-052924	Building B – SW Corner	Gray Mortar Associated with Red Brick	3000 SF
09A-FR-052924	Building B – SE Side	Light Gray CMU Brick	3700 SF
09B-FR-052924	Building B – SW Side	Light Gray CMU Brick	3700 SF
10A-FR-052924	Building B – SE Side	Gray Mortar Associated with Light Gray CMU Brick	3700 SF
10B-FR-052924	Building B – SW Side	Gray Mortar Associated with Light Gray CMU Brick	3700 SF
11A-FR-052924	Building B – S Side Throughout	Gray Perforated Cementitious Walkway Ceiling Panel	1900 SF
11B-FR-052924	Building B – S Side Throughout	Gray Perforated Cementitious Walkway Ceiling Panel	1900 SF
12A-FR-052924	Building B – S Side Center	Light Gray Walkway – Building Horizontal Caulk	200 LF
12B-FR-052924	Building B – S Side, W End	Light Gray Walkway – Building Horizontal Caulk	200 LF
13A-FR-052924	Building B – S Side Center	White Vertical Blue Brick – Window Frame Caulk	70 LF
13B-FR-052924	Building B – S Side, W End	White Vertical Blue Brick – Window Frame Caulk	70 LF

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Lab Order ID: 2873
Client Code: _____

14A-FR-052924	Building B – S Side, Center Right	Black Vertical Brick – Window Frame Caulk	40 LF
14B-FR-052924	Building B – S Side, Center Right	Black Vertical Brick – Window Frame Caulk	40 LF
15A-FR-052924	Building B – S Side, Center Right	Red Vertical Window Frame – Wall Seam Caulk	25 LF
15B-FR-052924	Building B – S Side, Center Right	Red Vertical Window Frame – Wall Seam Caulk	25 LF
16A-FR-052924	Building B – S Side, Center Left	Light Gray Glass – Window Frame Caulk	45 LF
16B-FR-052924	Building B – S Side, Center Left	Light Gray Glass – Window Frame Caulk	45 LF
17A-FR-052924	Building B – S Side, Center Right	Tan-Gray Vertical Frame Seam Caulk	55 LF
17B-FR-052924	Building B – S Side, Center Right	Tan-Gray Vertical Frame Seam Caulk	55 LF
18A-FR-052924	Building B – NE Corner	White Doorframe Caulk	20 LF
18B-FR-052924	Building B – NE Corner	White Doorframe Caulk	20 LF
19A-FR-052924	Building B – N Side, Center	White New Door Frame Caulk	20 LF
19B-FR-052924	Building B – N Side, Center	White New Door Frame Caulk	20 LF
20A-FR-052924	Building B – N Side, Center	Gray Window Caulk	15 LF
20B-FR-052924	Building B – N Side, Center	Gray Window Caulk	15 LF
21A-FR-052924	Building B – N Side, W End	Light Gray Door Frame Caulk	20 LF
21B-FR-052924	Building B – N Side, W End	Light Gray Door Frame Caulk	20 LF
22A-FR-052924	Building B – S Side, Center Left	Clear Door Window Caulk	35 LF
22B-FR-052924	Building B – S Side, Center	Clear Door Window Caulk	35 LF

Total # of Samples 128

Relinquished by	Date/Time	Received by	Date/Time
Karisa Redfield	5/30/24		

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
01A-060724-FR	½" Drywall - White	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0001					Crushed
01B-060724-FR	½" Drywall - White	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0002					Crushed
01C-060724-FR	½" Drywall - White	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0003					Crushed
01D-060724-FR	½" Drywall - White	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0004					Crushed
01E-060724-FR	½" Drywall - White	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0005					Crushed
01F-060724-FR	½" Drywall - White	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0006					Crushed
01G-060724-FR	½" Drywall - White	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0007					Crushed
02A-060724-FR - A	Tape & Joint Compound - White	**3% Chrysotile**		**97% Other**	Tan Non-Fibrous Homogeneous
10056004_0008	*joint compound*				Crushed

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Megan Javonovich (442)
Analyst

Nathaniel J Durham
Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

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Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
02A-060724-FR - B	Tape & Joint Compound - White	**None Detected**	**98% Cellulose**	**2% Other**	White Fibrous Homogeneous
10056004_0367	*tape*				Ashed
02B-060724-FR - A	Tape & Joint Compound - White	**Not Analyzed**			
10056004_0009	*joint compound*				
02B-060724-FR - B	Tape & Joint Compound - White	**None Detected**	**98% Cellulose**	**2% Other**	White Fibrous Homogeneous
10056004_0368	*tape*				Ashed
02C-060724-FR - A	Tape & Joint Compound - White	**Not Analyzed**			
10056004_0010	*joint compound*				
02C-060724-FR - B	Tape & Joint Compound - White	**None Detected**	**98% Cellulose**	**2% Other**	White Fibrous Homogeneous
10056004_0369	*tape*				Ashed
02D-060724-FR - A	Tape & Joint Compound - White	**Not Analyzed**			
10056004_0011	*joint compound*				
02D-060724-FR - B	Tape & Joint Compound - White	**None Detected**	**98% Cellulose**	**2% Other**	White Fibrous Homogeneous
10056004_0370	*tape*				Ashed
02E-060724-FR - A	Tape & Joint Compound - White	**Not Analyzed**			
10056004_0012	*joint compound*				

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

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Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
02E-060724-FR - B	Tape & Joint Compound - White	**None Detected**	**98% Cellulose**	**2% Other**	White Fibrous Homogeneous
10056004_0371	*tape*				Ashed
02F-060724-FR - A	Tape & Joint Compound - White	**Not Analyzed**			
10056004_0013	*joint compound*				
02F-060724-FR - B	Tape & Joint Compound - White	**None Detected**	**98% Cellulose**	**2% Other**	White Fibrous Homogeneous
10056004_0372	*tape*				Ashed
02G-060724-FR - A	Tape & Joint Compound - White	**Not Analyzed**			
10056004_0014	*joint compound*				
02G-060724-FR - B	Tape & Joint Compound - White	**None Detected**	**98% Cellulose**	**2% Other**	White Fibrous Homogeneous
10056004_0373	*tape*				Ashed
03A-060724-FR	Floor Mastic on Concrete Associated Brown 9"x9" Vinyl Floor Tile - Black	**6% Chrysotile**		**94% Other**	Black Non-Fibrous Homogeneous
10056004_0015					Dissolved
3B-060724-FR	Floor Mastic on Concrete Associate, Black & Grey 1'x1' Vinyl Floor tile- Black	**Not Analyzed**			
10056004_0016					
03C-060724-FR	Floor Mastic on Concrete Associate, Green 9"x9" Vinyl Floor Tile- Black	**Not Analyzed**			
10056004_0017					

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
04A-060724-FR	1'x 1' Vinyl Floor Tile - Black	**Not Analyzed**			
10056004_0018					
04B-060724-FR	1'x 1' Vinyl Floor Tile - Black	**Not Analyzed**			
10056004_0019					
05A-060724-FR	1'x1' Vinyl floor tile - Grey	**Not Analyzed**			
10056004_0020					
05B-060724-FR	1'x1' Vinyl floor tile - Grey	**Not Analyzed**			
10056004_0021					
06A-060724-FR	1'x1' Vinyl floor tile - Black	**Not Analyzed**			
10056004_0022					
06B-060724-FR	1'x1' Vinyl floor tile - Black	**Not Analyzed**			
10056004_0023					
07A-060724-FR	9"x9" Vinyl Floor Tile under Blue 1'x1' Vinyl Floor Tile - Brown	**Not Analyzed**			
10056004_0024					
07B-060724-FR	9"x9" Vinyl Floor Tile under Blue 1'x1' Vinyl Floor Tile - Brown	**Not Analyzed**			
10056004_0025					

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Megan Javonovich (442)
Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
08A-060724-FR	1'x1' Vinyl Floor Tile - Dark Blue	**Not Analyzed**			
10056004_0026					
08B-060724-FR	1'x1' Vinyl Floor Tile - Dark Blue	**Not Analyzed**			
10056004_0027					
10A-060724-FR	Adhesive Associated With Dark Blue & Light Blue 1'x1' Vinyl Floor Tile - Tan	**Not Analyzed**			
10056004_0028					
10B-060724-FR	Adhesive Associated With Dark Blue & Light Blue 1'x1' Vinyl Floor Tile - Tan	**Not Analyzed**			
10056004_0029					
11A-060724-FR	1'x 1' Vinyl Floor Tile - Light Blue	**Not Analyzed**			
10056004_0030					
11B-060724-FR	1'x 1' Vinyl Floor Tile - Light Blue	**Not Analyzed**			
10056004_0031					
12A-060724-FR	1'x1' Vinyl Floor Tile - Cream	**Not Analyzed**			
10056004_0032					
12B-060724-FR	1'x1' Vinyl Floor Tile - Cream	**Not Analyzed**			
10056004_0033					

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Analyst

Nathaniel Durham
Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
13A-060724-FR	9"x9" Vinyl Floor Tile - Green	**Not Analyzed**			
10056004_0034					
13B-060724-FR	9"x9" Vinyl Floor Tile - Green	**Not Analyzed**			
10056004_0035					
14A-060724-FR	1'x1' Vinyl Floor Tile - White	**Not Analyzed**			
10056004_0036					
14B-060724-FR	1'x1' Vinyl Floor Tile - White	**Not Analyzed**			
10056004_0037					
15A-060724-FR	Adhesive Associated White & Cream 1'x1' White Vinyl Floor Tile - Tan	**Not Analyzed**			
10056004_0038					
15B-060724-FR	Adhesive Associated White & Cream 1'x1' White Vinyl Floor Tile - Tan	**Not Analyzed**			
10056004_0039					
16A-060724-FR	Self-Adhesive Sheet Floor - Wood Pattern	**Not Analyzed**			
10056004_0040					
16B-060724-FR	Self-Adhesive Sheet Floor - Wood Pattern	**Not Analyzed**			
10056004_0041					

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Megan Javonovich (442)
Analyst

Nathaniel Durham
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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
17A-060724-FR	Adhesive Associated. Wood Pattern Self- Adhesive Sheet Floor - Clear/Yellow	**Not Analyzed**			
10056004_0042					
17B-060724-FR	Adhesive Associated. Wood Pattern Self- Adhesive Sheet Floor - Clear/Yellow	**Not Analyzed**			
10056004_0043					
18A-060724-FR	Self-Adhesive 1 'x I' Floor Tile- White/Tan	**Not Analyzed**			
10056004_0044					
18B-060724-FR	Self-Adhesive 1 'x I' Floor Tile- White/Tan	**Not Analyzed**			
10056004_0045					
19-060724-FR		**Not Submitted**			
10056004_0046	*sample not used*				
20-060724-FR		**Not Submitted**			
10056004_0047	*sample not used*				
21A-060724-FR	Adhesive Assc. Blue 2'x2' Carpet Squares-Yellow/White	**Not Analyzed**			
10056004_0048					
21B-060724-FR	Adhesive Assc. Blue 2'x2' Carpet Squares-Yellow/White	**Not Analyzed**			
10056004_0049					

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
22A-060724-FR	Adhesive/Mastic Assc. Brown Carpet - Black/Yellow	**Not Analyzed**			
10056004_0050					
22B-060724-FR	Adhesive/Mastic Assc. Brown Carpet - Black/Yellow	**Not Analyzed**			
10056004_0051					
22C-060724-FR	Adhesive/Mastic Assc. Brown Carpet - Black/Yellow	**Not Analyzed**			
10056004_0052					
23-060724-FR		**Not Submitted**			
10056004_0053	*sample not used*				
24A-060724-FR	Adhesive assc. Grey Carpet - Yellow	**Not Analyzed**			
10056004_0054					
24B-060724-FR	Adhesive assc. grey carpet - Yellow	**Not Analyzed**			
10056004_0055					
25-060724-FR		**Not Submitted**			
10056004_0056	*sample not used*				
26A-060724-FR	Adhesive Assc. Brown Specked Carpet- Yellow	**Not Analyzed**			
10056004_0057					

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Megan Javonovich (442)
Analyst

Nathaniel J Durham
Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
26B-060724-FR	Adhesive Assc. Brown Specked Carpet- Yellow	**Not Analyzed**			
10056004_0058					
27-060724-FR		**Not Submitted**			
10056004_0059	*sample not used*				
28A-060724-FR	Adhesive Assc. Grey W/ Tan Wiggles Carpet- Tan	**Not Analyzed**			
10056004_0060					
28B-060724-FR	Adhesive Assc. Grey W/ Tan Wiggles Carpet- Tan	**Not Analyzed**			
10056004_0061					
29A-060724-FR	Carpet on Yellow/Black Adhesive/Mastic- Dark Brown	**Not Analyzed**			
10056004_0062					
29B-060724-FR	Carpet on Yellow/Black Adhesive/Mastic- Dark Brown	**Not Analyzed**			
10056004_0063					
30A-060724-FR	Adhesive & Red/Brown Carpet - White	**Not Analyzed**			
10056004_0064					
30B-060724-FR	Adhesive & Red/Brown Carpet - White	**Not Analyzed**			
10056004_0065					

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
31A-060724-FR	1 "x I" Ceramic Floor Tile - Tan	**Not Analyzed**			
10056004_0066					
31B-060724-FR	1 "x I" Ceramic Floor Tile - Tan	**Not Analyzed**			
10056004_0067					
32A-060724-FR	½"x I" Ceramic Floor Ti le - Tan	**Not Analyzed**			
10056004_0068					
32B-060724-FR	½"x I" Ceramic Floor Ti le - Tan	**Not Analyzed**			
10056004_0069					
33A-060724-FR	½"x½" Ceramic Floor Tile - Tan	**Not Analyzed**			
10056004_0070					
33B-060724-FR	½"x½" Ceramic Floor Tile - Tan	**Not Analyzed**			
10056004_0071					
34A-060724-FR	Thinset Associated. Tan Ceramic Floor Tiles- Tan	**Not Analyzed**			
10056004_0072					
34B-060724-FR	Thinset Associated. Tan Ceramic Floor Tiles- Tan	**Not Analyzed**			
10056004_0073					

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
35A-060724-FR	Grout Associated Tan Ceramic Floor Tiles - Grey	**Not Analyzed**			
10056004_0074					
35B-060724-FR	Grout Associated Tan Ceramic Floor Tiles - Grey	**Not Analyzed**			
10056004_0075					
36A-060724-FR	1"x1" Ceramic Floor Tile - Grey	**Not Analyzed**			
10056004_0076					
36B-060724-FR	1"x1" Ceramic Floor Tile - Grey	**Not Analyzed**			
10056004_0077					
37A-060724-FR	1/2"x1" Ceramic Floor Tile - Grey	**Not Analyzed**			
10056004_0078					
37B-060724-FR	1/2"x1" Ceramic Floor Tile - Grey	**Not Analyzed**			
10056004_0079					
38A-060724-FR	1/2"x1/2" Ceramic Floor Tile - Grey	**Not Analyzed**			
10056004_0080					
38B-060724-FR	1/2"x1/2" Ceramic Floor Tile - Grey	**Not Analyzed**			
10056004_0081					

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
39A-060724-FR	Thinset Associated Tan Ceramic Floor Tiles - Tan	**Not Analyzed**			
10056004_0082					
39B-060724-FR	Thinset Associated Tan Ceramic Floor Tiles - Tan	**Not Analyzed**			
10056004_0083					
40A-060724-FR	Grout Associated Tan Ceramic Floor Tiles - Dark Grey	**Not Analyzed**			
10056004_0084					
40B-060724-FR	Grout Associated Tan Ceramic Floor Tiles - Dark Grey	**Not Analyzed**			
10056004_0085					
41A-060724-FR	4" Vinyl Cove Base - Black	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10056004_0086					Ashed
41B-060724-FR	4" Vinyl Cove Base - Black	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10056004_0087					Ashed
42A-060724-FR	Adhesive Associated Black 4" Vinyl Cove Base - White	**None Detected**		**100% Other**	Brown, Cream Non-Fibrous Heterogeneous
10056004_0088					Ashed, Dissolved
42B-060724-FR	Adhesive Associated Black 4" Vinyl Cove Base - White	**None Detected**		**100% Other**	Cream, Brown Non-Fibrous Heterogeneous
10056004_0089					Ashed, Dissolved

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
43A-060724-FR	4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0090					Ashed
43B-060724-FR	4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0091					Ashed
44A-060724-FR	Adhesive Associated Tan 4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0092					Ashed
44B-060724-FR	Adhesive Associated Tan 4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0093					Ashed
45A-060724-FR	4" Vinyl Cove Base - Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0094					Ashed
45B-060724-FR	4" Vinyl Cove Base - Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0095					Ashed
46A-060724-FR	Adhesive Associated Grey 4" Vinyl Cove Base - Grey	**None Detected**		**100% Other**	Beige Non-Fibrous Homogeneous
10056004_0096					Ashed
46B-060724-FR	Adhesive Associated Grey 4" Vinyl Cove Base - Grey	**None Detected**		**100% Other**	Beige Non-Fibrous Homogeneous
10056004_0097					Ashed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
47A-060724-FR	4" Vinyl Cove Base - Black	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10056004_0098					Ashed
47B-060724-FR	4" Vinyl Cove Base - Black	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10056004_0099					Ashed
48A-060724-FR	Adhesive Associated. Black 4" Viny l Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0100					Ashed
48B-060724-FR	Adhesive Associated. Black 4" Viny l Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0101					Ashed
49A-060724-FR	4" Vinyl Cove Base - Dark Brown	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056004_0102					Ashed
49B-060724-FR	4" Vinyl Cove Base - Dark Brown	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056004_0103					Ashed
50A-060724-FR	Adhesive Associated. Dark Brown 4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Yellow, Tan Non-Fibrous Homogeneous
10056004_0104					Dissolved
50B-060724-FR	Adhesive Associated. Dark Brown 4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Yellow, Tan Non-Fibrous Homogeneous
10056004_0105					Dissolved

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
51A-060724-FR	4" Vinyl Cove Base - Brown/Grey	**None Detected**		**100% Other**	Brown, Gray Non-Fibrous Homogeneous
10056004_0106					Ashed
51B-060724-FR	4" Vinyl Cove Base - Brown/Grey	**None Detected**		**100% Other**	Brown, Gray Non-Fibrous Homogeneous
10056004_0107					Ashed
52A-060724-FR	Adhesive Associated. Brown/Grey 4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan, Yellow Non-Fibrous Homogeneous
10056004_0108					Dissolved
52B-060724-FR	Adhesive Associated. Brown/Grey 4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan, Yellow Non-Fibrous Homogeneous
10056004_0109					Dissolved
53A-060724-FR	4" Vinyl Cove Base - Blue	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056004_0110					Ashed
53B-060724-FR	4" Vinyl Cove Base - Blue	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056004_0111					Ashed
54A-060724-FR	Adhesive Associated. Blue 4" Vinyl Cove	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0112					Dissolved
54B-060724-FR	Adhesive Associated. Blue 4" Vinyl Cove	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0113					Dissolved

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55A-060724-FR	4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Beige Non-Fibrous Homogeneous
10056004_0114					Ashed
55B-060724-FR	4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Beige Non-Fibrous Homogeneous
10056004_0115					Ashed
56A-060724-FR	Adhesive Associated. Tan 4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan, Yellow Non-Fibrous Homogeneous
10056004_0116					Dissolved
56B-060724-FR	Adhesive Associated. Tan 4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan, Yellow Non-Fibrous Homogeneous
10056004_0117					Dissolved
57-060724-FR		**Not Submitted**			
10056004_0118	*sample not used*				
58A-060724-FR	Adhesive & Dk Brown/Grey 4" Carpet Cove Base - Yellow/Black	**None Detected**		**100% Other**	Yellow, Brown Non-Fibrous Heterogeneous
10056004_0119	*mixed mastic*				Dissolved
58B-060724-FR	Adhesive & Dk Brown/Grey 4" Carpet Cove Base - Yellow/Black	**3% Chrysotile**		**97% Other**	Yellow, Black Non-Fibrous Heterogeneous
10056004_0120	*mixed mastic- positive black mastic*				Dissolved
59A-060724-FR - A	Wallpaper & Adhesive - White Splatter & White	**None Detected**	**40% Cellulose**	**60% Other**	White Fibrous Homogeneous
10056004_0121	*wallpaper*				Ashed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
59A-060724-FR - B	Wallpaper & Adhesive - White Splatter & White	**None Detected**		**100% Other**	Cream Non-Fibrous Homogeneous
10056004_0374	*adhesive*				Dissolved
59B-060724-FR - A	Wallpaper & Adhesive - White Splatter & White	**None Detected**	**40% Cellulose**	**60% Other**	White Fibrous Homogeneous
10056004_0122	*wallpaper*				Ashed
59B-060724-FR - B	Wallpaper & Adhesive - White Splatter & White	**None Detected**		**100% Other**	Cream Non-Fibrous Homogeneous
10056004_0375	*adhesive*				Dissolved
60A-060724-FR - A	Wallpaper & Adhesive - Grey Diagonal & Tan	**None Detected**	**40% Cellulose**	**60% Other**	White Fibrous Homogeneous
10056004_0123	*wallpaper*				Ashed
60A-060724-FR - B	Wallpaper & Adhesive - Grey Diagonal & Tan	**2% Chrysotile**		**98% Other**	Yellow, Tan Non-Fibrous Heterogeneous
10056004_0376	*adhesive / joint compound inseparable*				Dissolved, Crushed
60B-060724-FR - A	Wallpaper & Adhesive - Grey Diagonal & Tan	**None Detected**	**40% Cellulose**	**60% Other**	White Fibrous Homogeneous
10056004_0124	*wallpaper*				Ashed
60B-060724-FR - B	Wallpaper & Adhesive - Grey Diagonal & Tan	**Not Analyzed**			
10056004_0377	*adhesive*				
61A-060724-FR - A	Wallpaper & Adhesive - Green & Tan	**None Detected**	**40% Cellulose**	**60% Other**	Green Fibrous Homogeneous
10056004_0125	*wallpaper*				Ashed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
61A-060724-FR - B	Wallpaper & Adhesive - Green & Tan	**None Detected**		**100% Other**	Cream Non-Fibrous Homogeneous
10056004_0378	*adhesive*				Dissolved
61B-060724-FR - A	Wallpaper & Adhesive - Green & Tan	**None Detected**	**40% Cellulose**	**60% Other**	Green Fibrous Homogeneous
10056004_0126	*wallpaper*				Ashed
61B-060724-FR - B	Wallpaper & Adhesive - Green & Tan	**None Detected**		**100% Other**	Cream Non-Fibrous Homogeneous
10056004_0379	*adhesive*				Dissolved
62A-060724-FR - A	Wallpaper & Adhesive - White Thin Vertical Line & Yellow	**None Detected**	**40% Cellulose**	**60% Other**	White Fibrous Homogeneous
10056004_0127	*wallpaper*				Ashed
62A-060724-FR - B	Wallpaper & Adhesive - White Thin Vertical Line & Yellow	**None Detected**		**100% Other**	Cream Non-Fibrous Homogeneous
10056004_0380	*adhesive*				Dissolved
62B-060724-FR - A	Wallpaper & Adhesive - White Thin Vertical Line & Yellow	**None Detected**	**40% Cellulose**	**60% Other**	White Fibrous Homogeneous
10056004_0128	*wallpaper*				Ashed
62B-060724-FR - B	Wallpaper & Adhesive - White Thin Vertical Line & Yellow	**None Detected**		**100% Other**	Cream Non-Fibrous Homogeneous
10056004_0381	*adhesive*				Dissolved
63A-060724-FR - A	Wallpaper & Adhesive - White W/Red Strip & Tan	**None Detected**	**40% Cellulose**	**60% Other**	White, Pink Fibrous Homogeneous
10056004_0129	*wallpaper*				Ashed

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Megan Javonovich (442)
Analyst

Nathaniel J Durham
Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
63A-060724-FR - B	Wallpaper & Adhesive - White W/Red Strip & Tan	**None Detected**		**100% Other**	Cream Non-Fibrous Homogeneous
10056004_0382	*adhesive*				Dissolved
64B-060724-FR - A	Wallpaper & Adhesive - White W/Red Strip & Tan	**None Detected**	**40% Cellulose**	**60% Other**	Blue Fibrous Homogeneous
10056004_0130	*wallpaper*				Ashed
64B-060724-FR - B	Wallpaper & Adhesive - White W/Red Strip & Tan	**2% Chrysotile**		**98% Other**	Yellow, Tan Non-Fibrous Heterogeneous
10056004_0383	*adhesive /joint compound inseparable*				Dissolved, Crushed
65A-060724-FR - A	Wallpaper & Adhesive - Blue Thick Vertical Line & Yellow	**None Detected**	**40% Cellulose**	**60% Other**	White Fibrous Homogeneous
10056004_0131	*wallpaper*				Ashed
65A-060724-FR - B	Wallpaper & Adhesive - Blue Thick Vertical Line & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0384	*adhesive*				Dissolved
65B-060724-FR - A	Wallpaper & Adhesive - Blue Thick Vertical Line & Yellow	**None Detected**	**40% Cellulose**	**60% Other**	White Fibrous Homogeneous
10056004_0132	*wallpaper*				Ashed
65B-060724-FR - B	Wallpaper & Adhesive - Blue Thick Vertical Line & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0385	*adhesive*				Dissolved
66A-060724-FR - A	Wallpaper & Adhesive - Yellow & Tan	**None Detected**	**40% Cellulose**	**60% Other**	White Fibrous Homogeneous
10056004_0133	*wallpaper*				Ashed

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Analyst

Nathaniel J Durham
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Bulk Asbestos Analysis

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NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
66A-060724-FR - B	Wallpaper & Adhesive - Yellow & Tan	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0386	*adhesive*				Dissolved
66B-060724-FR - A	Wallpaper & Adhesive - Yellow & Tan	**None Detected**	**40% Cellulose**	**60% Other**	White Fibrous Homogeneous
10056004_0134	*wallpaper*				Ashed
66B-060724-FR - B	Wallpaper & Adhesive - Yellow & Tan	**2% Chrysotile**		**98% Other**	Tan, Yellow Non-Fibrous Heterogeneous
10056004_0387	*adhesive /joint compound inseparable*				Dissolved, Crushed
67A-060724-FR	2'x2' Drop Cei ling Tile - Pinhole - White	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**10% Other** **10% Perlite**	Gray Fibrous Homogeneous
10056004_0135					Ashed
67B-060724-FR	2'x2' Drop Cei ling Tile - Pinhole - White	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**10% Perlite** **10% Other**	Gray Fibrous Homogeneous
10056004_0136					Ashed
68A-060724-FR	2'x4' Drop Ceiling Tile - Pinhole & Worm Tracks- White	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**10% Perlite** **10% Other**	Gray Fibrous Homogeneous
10056004_0137					Ashed
68B-060724-FR	2'x4' Drop Ceiling Tile - Pinhole & Worm Tracks- White	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**10% Perlite** **10% Other**	Gray Fibrous Homogeneous
10056004_0138					Ashed
69A-060724-FR	2'x2' Drop Ceiling Tile - Pinholes & Fissures- White	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**10% Perlite** **10% Other**	Gray Fibrous Homogeneous
10056004_0139					Ashed

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Megan Javonovich (442)
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

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
69B-060724-FR	2'x2' Drop Ceiling Tile - Pinholes & Fissures- White	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**10% Perlite** **10% Other**	Gray Fibrous Homogeneous
10056004_0140					Ashed
70A-060724-FR	Sink Undercoat - White	**None Detected**	**10% Cellulose**	**90% Other**	White Non-Fibrous Homogeneous
10056004_0141					Dissolved
70B-060724-FR	Sink Undercoat - White	**None Detected**	**10% Cellulose**	**90% Other**	White Non-Fibrous Homogeneous
10056004_0142					Dissolved
71A-060724-FR	Sink Undercoat - Black	**5% Chrysotile**		**95% Other**	Black Non-Fibrous Homogeneous
10056004_0143					Dissolved
71B-060724-FR	Sink Undercoat - Black	**Not Analyzed**			
10056004_0144					
72A-060724-FR	Sink Undercoat - Grey	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0145					Dissolved
72B-060724-FR	Sink Undercoat - Grey	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0146					Dissolved
73A-060724-FR	Sink Undercoat - White	**None Detected**	**10% Cellulose**	**90% Other**	White Non-Fibrous Homogeneous
10056004_0147					Dissolved

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
73B-060724-FR	Sink Undercoat - White	**None Detected**	**10% Cellulose**	**90% Other**	White Non-Fibrous Homogeneous
10056004_0148					Dissolved
74A-060724-FR	Sink Undercoat - Black	**5% Chrysotile**		**95% Other**	Black Non-Fibrous Homogeneous
10056004_0149					Dissolved
74B-060724-FR	Sink Undercoat - Black	**Not Analyzed**			
10056004_0150					
75A-060724-FR	Sink Undercoat - Grey	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0151					Dissolved
75B-060724-FR	Sink Undercoat - Grey	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0152					Dissolved
76A-060724-FR	Sink Undercoat - White	**None Detected**	**10% Cellulose**	**90% Other**	White Non-Fibrous Homogeneous
10056004_0153					Dissolved
76B-060724-FR	Sink Undercoat - White	**None Detected**	**10% Cellulose**	**90% Other**	White Non-Fibrous Homogeneous
10056004_0154					Dissolved
77A-060724-FR	Sink Undercoat - Black	**None Detected**	**10% Cellulose**	**90% Other**	Black Non-Fibrous Homogeneous
10056004_0155					Dissolved

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
77B-060724-FR *10056004_0156*	Sink Undercoat - Black	**None Detected**	**10% Cellulose**	**90% Other**	Black Non-Fibrous Homogeneous Dissolved
78A-060724-FR - A *10056004_0157*	Laminate Countertop & Adhesive - Teal & Clear *countertop*	**None Detected**	**50% Cellulose**	**50% Other**	Green Non-Fibrous Homogeneous Ashed
78A-060724-FR - B *10056004_0389*	Laminate Countertop & Adhesive - Teal & Clear *adhesive*	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous Dissolved
78B-060724-FR - A *10056004_0158*	Laminate Countertop & Adhesive - Teal & Clear *countertop*	**None Detected**		**100% Other**	Green Non-Fibrous Homogeneous Ashed
78B-060724-FR - B *10056004_0390*	Laminate Countertop & Adhesive - Teal & Clear *adhesive*	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous Dissolved
79A-060724-FR - A *10056004_0159*	Laminate Countertop & Adhesive - Pink & Clear *countertop*	**None Detected**		**100% Other**	Pink Non-Fibrous Homogeneous Ashed
79A-060724-FR - B *10056004_0391*	Laminate Countertop & Adhesive - Pink & Clear *adhesive*	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous Dissolved
79B-060724-FR - A *10056004_0160*	Laminate Countertop & Adhesive - Pink & Clear *countertop*	**None Detected**		**100% Other**	Pink Non-Fibrous Homogeneous Ashed

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Bulk Asbestos Analysis

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NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
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Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
79B-060724-FR - B	Laminate Countertop & Adhesive - Pink & Clear	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0392	*adhesive*				Dissolved
80A-060724-FR - A	Laminate Countertop & Adhesive - Grey & Yellow	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0161	*countertop*				Ashed
80A-060724-FR - B	Laminate Countertop & Adhesive - Grey & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0393	*adhesive*				Dissolved
80B-060724-FR - A	Laminate Countertop & Adhesive - Grey & Yellow	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0162	*countertop*				Ashed
80B-060724-FR - B	Laminate Countertop & Adhesive - Grey & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0394	*adhesive*				Dissolved
81A-060724-FR - A	Laminate Countertop & Adhesive - Tan & Yellow	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0163	*countertop*				Ashed
81A-060724-FR - B	Laminate Countertop & Adhesive - Tan & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0395	*adhesive*				Dissolved
81B-060724-FR - A	Laminate Countertop & Adhesive - Tan & Yellow	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0164	*countertop*				Ashed

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NVLAP LAB CODE 200664-0

Lab ID # 173190

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Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
81B-060724-FR - B	Laminate Countertop & Adhesive - Tan & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0396	*adhesive*				Dissolved
82A-060724-FR - A	Laminate Countertop & Adhesive - Blue & Yellow	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056004_0165	*countertop*				Ashed
82A-060724-FR - B	Laminate Countertop & Adhesive - Blue & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0397	*adhesive*				Dissolved
82B-060724-FR - A	Laminate Countertop & Adhesive - Blue & Yellow	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056004_0166	*countertop*				Dissolved
82B-060724-FR - B	Laminate Countertop & Adhesive - Blue & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0398	*adhesive*				Dissolved
83A-060724-FR - A	Laminate Countertop & Adhesive - Tan & Green	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0167	*countertop*				Ashed
83A-060724-FR - B	Laminate Countertop & Adhesive - Tan & Green	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0399	*adhesive*				Dissolved
83B-060724-FR - A	Laminate Countertop & Adhesive - Tan & Green	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0168	*countertop*				Ashed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
83B-060724-FR - B	Laminate Countertop & Adhesive - Tan & Green	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0400	*adhesive*				Dissolved
84A-060724-FR - A	Laminate Countertop & Adhesive - Wood & Look & Red	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056004_0169	*countertop*				Ashed
84A-060724-FR - B	Laminate Countertop & Adhesive - Wood & Look & Red	**None Detected**		**100% Other**	Red Non-Fibrous Homogeneous
10056004_0401	*adhesive*				Dissolved
84B-060724-FR - A	Laminate Countertop & Adhesive - Wood & Look & Red	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056004_0170	*countertop*				Ashed
84B-060724-FR - B	Laminate Countertop & Adhesive - Wood & Look & Red	**None Detected**		**100% Other**	Red Non-Fibrous Homogeneous
10056004_0402	*adhesive*				Dissolved
85A-060724-FR - A	Laminate Countertop & Adhesive - White & Red	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0171	*countertop*				Ashed
85A-060724-FR - B	Laminate Countertop & Adhesive - White & Red	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0403	*adhesive*				Dissolved
85B-060724-FR - A	Laminate Countertop & Adhesive - White & Red	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0172	*countertop*				Ashed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
85B-060724-FR - B	Laminate Countertop & Adhesive - White & Red	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0405	*adhesive*				Dissolved
86A-060724-FR - A	Laminate Countertop & Adhesive - Sand & Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0173	*countertop*				Ashed
86A-060724-FR - B	Laminate Countertop & Adhesive - Sand & Grey	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0404	*adhesive*				Dissolved
86B-060724-FR - A	Laminate Countertop & Adhesive - Sand & Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0174	*countertop*				Ashed
86B-060724-FR - B	Laminate Countertop & Adhesive - Sand & Grey	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0406	*adhesive*				Dissolved
87A-060724-FR - A	Laminate Countertop & Adhesive - Grey & Yellow	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0175	*countertop*				Ashed
87A-060724-FR - B	Laminate Countertop & Adhesive - Grey & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0407	*adhesive*				Dissolved
87B-060724-FR - A	Laminate Countertop & Adhesive - Grey & Yellow	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0176	*countertop*				Ashed

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146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
87B-060724-FR - B	Laminate Countertop & Adhesive - Grey & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0408	*adhesive*				Dissolved
88A-060724-FR - A	Laminate Countertop & Adhesive - Dark Brown & Yellow	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056004_0177	*countertop*				Ashed
88A-060724-FR - B	Laminate Countertop & Adhesive - Dark Brown & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0409	*adhesive*				Dissolved
88B-060724-FR - A	Laminate Countertop & Adhesive - Dark Brown & Yellow	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056004_0178	*countertop*				Ashed
88B-060724-FR - B	Laminate Countertop & Adhesive - Dark Brown & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0410	*adhesive*				Dissolved
89A-060724-FR - A	Laminate Countertop & Adhesive - White & Yellow	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0179	*countertop*				Ashed
89A-060724-FR - B	Laminate Countertop & Adhesive - White & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0411	*adhesive*				Dissolved
89B-060724-FR - A	Laminate Countertop & Adhesive - White & Yellow	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0180	*countertop*				Ashed

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Megan Javonovich (442)
Analyst

Nathaniel J Durham
Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
89B-060724-FR - B	Laminate Countertop & Adhesive - White & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0412	*adhesive*				Dissolved
90A-060724-FR - A	Laminate Countertop & Adhesive -Orange & Yellow	**None Detected**		**100% Other**	Orange Non-Fibrous Homogeneous
10056004_0181	*countertop*				Ashed
90A-060724-FR - B	Laminate Countertop & Adhesive -Orange & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0413	*adhesive*				Dissolved
90B-060724-FR - A	Laminate Countertop & Adhesive -Orange & Yellow	**None Detected**		**100% Other**	Orange Non-Fibrous Homogeneous
10056004_0182	*countertop*				Ashed
90B-060724-FR - B	Laminate Countertop & Adhesive -Orange & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0414	*adhesive*				Dissolved
91A-060724-FR - A	Laminate Countertop & Adhesive - Light Blue & Yellow	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056004_0183	*countertop*				Ashed
91A-060724-FR - B	Laminate Countertop & Adhesive - Light Blue & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0415	*adhesive*				Dissolved
91B-060724-FR - A	Laminate Countertop & Adhesive - Light Blue & Yellow	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056004_0184	*countertop*				Ashed

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Analysis: PLM
Date Received: 07/03/2024
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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
91B-060724-FR - B	Laminate Countertop & Adhesive - Light Blue & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0416	*adhesive*				Dissolved
92A-060724-FR - A	Laminate Countertop & Adhesive - Light Grey & Red	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0185	*countertop*				Ashed
92A-060724-FR - B	Laminate Countertop & Adhesive - Light Grey & Red	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0417	*adhesive*				Dissolved
92B-060724-FR - A	Laminate Countertop & Adhesive - Light Grey & Red	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0186	*countertop*				Ashed
92B-060724-FR - B	Laminate Countertop & Adhesive - Light Grey & Red	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0418	*adhesive*				Dissolved
93A-060724-FR - A	Laminate Countertop & Adhesive - Grey & Clear	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0187	*countertop*				Ashed
93A-060724-FR - B	Laminate Countertop & Adhesive - Grey & Clear	**None Detected**		**100% Other**	Transparent Non-Fibrous Homogeneous
10056004_0419	*adhesive*				Dissolved
93B-060724-FR - A	Laminate Countertop & Adhesive - Grey & Clear	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0188	*countertop*				Ashed

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Lab Order ID: **10056004**
Analysis: PLM
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93B-060724-FR - B	Laminate Countertop & Adhesive - Grey & Clear	**None Detected**		**100% Other**	Transparent Non-Fibrous Homogeneous
10056004_0420	*adhesive*				Dissolved
94A-060724-FR - A	Laminate Countertop & Adhesive - Light Grey & Clear	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0189	*countertop*				Ashed
94A-060724-FR - B	Laminate Countertop & Adhesive - Light Grey & Clear	**None Detected**		**100% Other**	Transparent Non-Fibrous Homogeneous
10056004_0421	*adhesive*				Dissolved
94B-060724-FR - A	Laminate Countertop & Adhesive - Light Grey & Clear	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0190	*countertop*				Ashed
94B-060724-FR - B	Laminate Countertop & Adhesive - Light Grey & Clear	**None Detected**		**100% Other**	Transparent Non-Fibrous Homogeneous
10056004_0422	*adhesive*				Dissolved
95A-060724-FR - A	Laminate Countertop & Adhesive - Light Blue & Yellow	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056004_0191	*countertop*				Ashed
95A-060724-FR - B	Laminate Countertop & Adhesive - Light Blue & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0423	*adhesive*				Dissolved
95B-060724-FR - A	Laminate Countertop & Adhesive - Light Blue & Yellow	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056004_0192	*countertop*				Ashed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
95B-060724-FR - B	Laminate Countertop & Adhesive - Light Blue & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0424	*adhesive*				Dissolved
96A-060724-FR - A	Laminate Countertop & Adhesive - Grey Textured & Clear	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0193	*countertop*				Ashed
96A-060724-FR - B	Laminate Countertop & Adhesive - Grey Textured & Clear	**None Detected**		**100% Other**	Transparent Non-Fibrous Homogeneous
10056004_0425	*adhesive*				Dissolved
96B-060724-FR - A	Laminate Countertop & Adhesive - Grey Textured & Clear	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0194	*countertop*				Ashed
96B-060724-FR - B	Laminate Countertop & Adhesive - Grey Textured & Clear	**None Detected**		**100% Other**	Transparent Non-Fibrous Homogeneous
10056004_0426	*adhesive*				Dissolved
97A-060724-FR - A	Laminate Countertop & Adhesive - White & Red	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0195	*countertop*				Ashed
97A-060724-FR - B	Laminate Countertop & Adhesive - White & Red	**None Detected**		**100% Other**	Red Non-Fibrous Homogeneous
10056004_0427	*adhesive*				Dissolved
97B-060724-FR - A	Laminate Countertop & Adhesive - White & Red	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0196	*countertop*				Ashed

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40 CFR, Part 763, Subpart E, App.E

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Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
97B-060724-FR - B	Laminate Countertop & Adhesive - White & Red	**None Detected**		**100% Other**	Red Non-Fibrous Homogeneous
10056004_0428	*adhesive*				Dissolved
98A-060724-FR - A	Laminate Countertop & Adhesive - Black & Yellow	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10056004_0197	*countertop*				Ashed
98A-060724-FR - B	Laminate Countertop & Adhesive - Black & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0429	*adhesive*				Dissolved
98B-060724-FR - A	Laminate Countertop & Adhesive - Black & Yellow	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10056004_0198	*countertop*				Ashed
98B-060724-FR - B	Laminate Countertop & Adhesive - Black & Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0430	*adhesive*				Dissolved
99A-060724-FR	4"x4" Ceramic Wall Tile - Pink	**None Detected**		**100% Other**	Beige, Pink Non-Fibrous Homogeneous
10056004_0199					Crushed
99B-060724-FR	4"x4" Ceramic Wall Tile - Pink	**None Detected**		**100% Other**	Beige, Pink Non-Fibrous Homogeneous
10056004_0200					Crushed
100A-060724-FR	Adhesive Associated. Pink 4"x4" Ceramic Wall Tile- Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0201					Dissolved

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
100B-060724-FR	Adhesive Associated. Pink 4"x4" Ceramic Wall Tile- Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0202					Dissolved
101A-060724-FR	Grout Associated. Pink 4"x4" Ceramic Wall Tile- White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0203					Crushed
101B-060724-FR	Grout Associated. Pink 4"x4" Ceramic Wall Tile- White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0204					Crushed
102A-060724-FR	Caulking compound - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0205					Ashed
102B-060724-FR	Caulking compound - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0206					Ashed
103A-060724-FR	4"x4" Ceramic Tile - Blue	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056004_0207					Crushed
103B-060724-FR	4"x4" Ceramic Tile - Blue	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056004_0208					Crushed
104A-060724-FR	Thinset Associated. Blue 4"x4" Ceramic Tile- Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0209					Dissolved

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104B-060724-FR	Thinset Associated. Blue 4"x4" Ceramic Tile- Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0210					Dissolved
105A-060724-FR	Grout Associated. Blue 4"x4" Ceramic Tile- White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0211					Crushed
105B-060724-FR	Grout Associated. Blue 4"x4" Ceramic Tile- White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0212					Crushed
106A-060724-FR	4"x4" Ceramic Tile - Blue	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056004_0213					Crushed
106B-060724-FR	4"x4" Ceramic Tile - Blue	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056004_0214					Crushed
107A-060724-FR	Thinset Associated. Blue 4" x4" Ceramic Tile - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0215					Dissolved
107B-060724-FR	Thinset Associated. Blue 4" x4" Ceramic Tile - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0216					Dissolved
108A-060724-FR	Grout Associated. Blue 4"x4" Ceramic Tile- White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0217					Crushed

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108B-060724-FR	Grout Associated. Blue 4"x4" Ceramic Tile- White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0218					Crushed
109A-060724-FR	Caulk - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0219					Ashed
109B-060724-FR	Caulk - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0220					Ashed
110A-060724-FR	Leveler - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0221					Crushed
110B-060724-FR	Leveler - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0222					Crushed
111A-060724-FR	Adhesive - Black	**10% Chrysotile**		**90% Other**	Black Non-Fibrous Homogeneous
10056004_0223					Dissolved
111B-060724-FR	Adhesive - Black	**Not Analyzed**			
10056004_0224					
112A-060724-FR	Fiber Glass Insulation Paper - Brown	**None Detected**	**90% Cellulose**	**10% Other**	Black, Brown Fibrous Homogeneous
10056004_0225					Ashed

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112B-060724-FR	Fiber Glass Insulation Paper - Brown	**None Detected**	**90% Cellulose**	**10% Other**	Black, Brown Fibrous Homogeneous
10056004_0226					Ashed
113A-060724-FR	Fiber Glass Insulation Foil Paper - Brown	**None Detected**	**50% Cellulose**	**50% Other**	Silver, Tan Fibrous Homogeneous
10056004_0227					Ashed
113B-060724-FR	Fiber Glass Insulation Foil Paper - Brown	**None Detected**	**50% Cellulose**	**50% Other**	Silver, Tan Fibrous Homogeneous
10056004_0228					Ashed
114A-060724-FR	Mudded Pipe Fittings - Grey	**20% Chrysotile**	**30% Fiber Glass**	**50% Other**	Gray Fibrous Heterogeneous
10056004_0229					Teased
114B-060724-FR	Mudded Pipe Fittings - Grey	**Not Analyzed**			
10056004_0230					
114C-060724-FR	Mudded Pipe Fittings - Grey	**Not Analyzed**			
10056004_0231					
115A-060724-FR	4 Ply Tar Paper Over lso Foam on Corrugated- Black	**None Detected**	**40% Fiber Glass**	**60% Other**	Black Fibrous Heterogeneous
10056004_0232	*built up roofing*				Dissolved
115B-060724-FR	4 Ply Tar Paper Over lso Foam on Corrugated- Black	**None Detected**	**40% Fiber Glass**	**60% Other**	Black Fibrous Heterogeneous
10056004_0233	*built up roofing*				Dissolved

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Megan Javonovich (442)
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

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
115C-060724-FR	4 Ply Tar Paper Over lso Foam on Corrugated- Black	**None Detected**	**40% Fiber Glass**	**60% Other**	Black Fibrous Heterogeneous
10056004_0234	*built up roofing*				Dissolved
115D-060724-FR	4 Ply Tar Paper Over lso Foam on Corrugated- Black	**None Detected**	**40% Fiber Glass**	**60% Other**	Black Fibrous Heterogeneous
10056004_0235	*built up roofing*				Dissolved
115E-060724-FR	4 Ply Tar Paper Over lso Foam on Corrugated- Black	**None Detected**	**40% Fiber Glass**	**60% Other**	Black Fibrous Heterogeneous
10056004_0236	*built up roofing*				Dissolved
115F-060724-FR	4 Ply Tar Paper Over Wood Ply - Black	**None Detected**	**30% Cellulose**	**70% Other**	Black Fibrous Heterogeneous
10056004_0237	*built up roofing*				Dissolved
115G-060724-FR	4 Ply Tar Paper Over Wood Ply - Black	**None Detected**	**30% Cellulose**	**70% Other**	Black Fibrous Heterogeneous
10056004_0238	*built up roofing*				Dissolved
116A-060724-FR	4 Ply Tar Paper Over Wood Ply - Black	**10% Chrysotile**	**30% Fiber Glass** **10% Cellulose**	**50% Other**	Black, Gray Fibrous Heterogeneous
10056004_0239	*built up roofing*				Teased, Dissolved
116B-060724-FR	4 Ply Tar Paper Over Wood Ply - Black	**Not Analyzed**			
10056004_0240	*built up roofing*				
116C-060724-FR	4 Ply Tar Paper Over Wood Ply - Black	**Not Analyzed**			
10056004_0241	*built up roofing*				

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146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
116D-060724-FR	4 Ply Tar Paper Over Wood Ply - Black	**Not Analyzed**			
10056004_0242	*built up roofing*				
116E-060724-FR	4 Ply Tar Paper Over Wood Ply - Black	**Not Analyzed**			
10056004_0243	*built up roofing*				
116F-060724-FR	4 Ply Tar Paper Over Wood Ply - Black	**Not Analyzed**			
10056004_0244	*built up roofing*				
116G-060724-FR	4 Ply Tar Paper Over Wood Ply - Black	**Not Analyzed**			
10056004_0245	*built up roofing*				
117A-060724-FR	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment- Black	**None Detected**	**20% Cellulose** **10% Fiber Glass** **10% Synthetic Fibers**	**60% Other**	Black, Gray Fibrous Heterogeneous
10056004_0246	*built up roofing*				Dissolved
117B-060724-FR	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment- Black	**None Detected**	**20% Cellulose** **10% Wollastonite** **10% Synthetic Fibers**	**60% Other**	Black, Gray Fibrous Heterogeneous
10056004_0247	*built up roofing*				Dissolved
117C-060724-FR	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment- Black	**None Detected**	**40% Synthetic Fibers**	**60% Other**	Black Fibrous Homogeneous
10056004_0248	*built up roofing*				Dissolved
117D-060724-FR	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment- Black	**8% Chrysotile**	**20% Cellulose**	**72% Other**	Black, Gray Fibrous Heterogeneous
10056004_0249	*built up roofing*				Dissolved

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Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
117E-060724-FR	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment- Black	**Not Analyzed**			
10056004_0250	*built up roofing*				
117F-060724-FR	4 Ply Tar Paper Over Wood Ply Against	**Not Analyzed**			
10056004_0251	*built up roofing*				
117G-060724-FR	4 Ply Tar Paper Over Wood Ply Against	**Not Analyzed**			
10056004_0252	*built up roofing*				
118A-060724-FR	Iso-foam Paperback un 4 Ply Tar Paper on Corrugated Metal- Black	**None Detected**	**20% Fiber Glass**	**80% Other**	Black Non-Fibrous Homogeneous
10056004_0253					Dissolved
118B-060724-FR	Iso-foam Paperback un 4 Ply Tar Paper on Corrugated Metal- Black	**None Detected**	**20% Fiber Glass**	**80% Other**	Black Non-Fibrous Homogeneous
10056004_0254					Dissolved
118C-060724-FR	Iso-foam Paperback un 4 Ply Tar Paper on Corrugated Metal- Black	**None Detected**	**20% Fiber Glass**	**80% Other**	Black Non-Fibrous Homogeneous
10056004_0255					Dissolved
118D-060724-FR	Iso-foam Paperback un 4 Ply Tar Paper on Corrugated Metal- Black	**None Detected**	**20% Fiber Glass**	**80% Other**	Black Non-Fibrous Homogeneous
10056004_0256					Dissolved
118E-060724-FR	Iso-foam Paperback un 4 Ply Tar Paper on Corrugated Metal- Black	**None Detected**	**20% Fiber Glass**	**80% Other**	Black Non-Fibrous Homogeneous
10056004_0257					Dissolved

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Megan Javonovich (442)
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Nathaniel Durham
Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
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NVLAP LAB CODE 200664-0

Lab ID # 173190

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Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
118F-060724-FR	Iso-foam Paperback un 4 Ply Tar Paper on Corrugated Metal- Black	**None Detected**	**20% Fiber Glass**	**80% Other**	Black Non-Fibrous Homogeneous
10056004_0258					Dissolved
118G-060724-FR	Iso-foam Paperback un 4 Ply Tar Paper on Corrugated Metal- Black	**None Detected**	**20% Fiber Glass**	**80% Other**	Black Non-Fibrous Homogeneous
10056004_0259					Dissolved
119A-060724-FR	Brick - Red	**None Detected**		**100% Other**	Red Non-Fibrous Homogeneous
10056004_0260					Crushed
119B-060724-FR	Brick - Red	**None Detected**		**100% Other**	Red Non-Fibrous Homogeneous
10056004_0261					Crushed
120A-060724-FR	Mortar - White	**None Detected**		**100% Other**	Gray Non-Fibrous Heterogeneous
10056004_0262					Crushed
120B-060724-FR	Mortar - White	**None Detected**		**100% Other**	Gray Non-Fibrous Heterogeneous
10056004_0263					Crushed
121A-060724-FR	Tar Sealant - Black	**10% Chrysotile**		**90% Other**	Silver, Black Non-Fibrous Heterogeneous
10056004_0264					Dissolved
121B-060724-FR	Tar Sealant - Black	**Not Analyzed**			
10056004_0265					

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Bulk Asbestos Analysis

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NVLAP LAB CODE 200664-0

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Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

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Analysis: PLM
Date Received: 07/03/2024
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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
122A-060724-FR	Tar - Black	**None Detected**	**10% Cellulose**	**90% Other**	Black Non-Fibrous Heterogeneous
10056004_0266					Dissolved
122B-060724-FR	Tar - Black	**None Detected**	**10% Cellulose**	**90% Other**	Black Non-Fibrous Heterogeneous
10056004_0267					Dissolved
123A-060724-FR	Mastic/Adhesive Associated. Vinyl Wood Floor- Yellow/ Black	**3% Chrysotile**		**97% Other**	Black, Yellow Non-Fibrous Heterogeneous
10056004_0268					Dissolved
123B-060724-FR	Mastic/Adhesive Associated. Vinyl Wood Floor- Yellow/ Black	**Not Analyzed**			
10056004_0269					
123C-060724-FR	Mastic Associated. 6"x6" Red Ceramic Tile- Black	**Not Analyzed**			
10056004_0270					
123D-060724-FR	Mastic Associated. 6"x6" Red Ceramic Tile- Black	**Not Analyzed**			
10056004_0271					
123E-060724-FR	Mastic Associated. 6"x6" Red Ceramic Tile- Black	**Not Analyzed**			
10056004_0272					
123F-060724-FR	Mastic Associated. 6"x6" Red Ceramic Tile- Black	**Not Analyzed**			
10056004_0273					

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Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
123G-060724-FR	Mastic/ Adhesive Associated. White I'x I'- Vinyl Floor Tile- Black	**Not Analyzed**			
10056004_0274					
123H-060724-FR	Mastic/ Adhesive Associated. White I'x I'- Vinyl Floor Tile- Black	**Not Analyzed**			
10056004_0275					
124A-060724-FR	Self-Adhesive Vinyl Floor - Wood Pattern	**Not Analyzed**			
10056004_0276					
124B-060724-FR	Self-Adhesive Vinyl Floor - Wood Pattern	**Not Analyzed**			
10056004_0277					
125A-060724-FR	I'x I' Ceramic Tile - White	**Not Analyzed**			
10056004_0278					
125B-060724-FR	I'x I' Ceramic Tile - White	**Not Analyzed**			
10056004_0279					
126A-060724-FR	Thinset Associated. White I 'x I' Ceramic Tile- White	**Not Analyzed**			
10056004_0280					
126B-060724-FR	Thinset Associated. White I 'x I' Ceramic Tile- White	**Not Analyzed**			
10056004_0281					

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EPA Method: 600/R-93/116 and
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NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
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Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
127A-060724-FR	Grout Associated. White I 'x I' Ceramic Tile - Red	**Not Analyzed**			
10056004_0282					
127B-060724-FR	Grout Associated. White I 'x I' Ceramic Tile - Red	**Not Analyzed**			
10056004_0283					
128A-060724-FR	Adhesive Associated. Blue Carpet - Tan	**Not Analyzed**			
10056004_0284					
128B-060724-FR	Adhesive Associated. Blue Carpet - Tan	**Not Analyzed**			
10056004_0285					
129A-060724-FR	6"x6" Ceramic Floor Tile - Red	**Not Analyzed**			
10056004_0286					
129B-060724-FR	6"x6" Ceramic Floor Tile - Red	**Not Analyzed**			
10056004_0287					
130A-060724-FR	Grout Associated. Red 6"x6" Ceramic Floor Tile- Dark Grey	**Not Analyzed**			
10056004_0288					
130B-060724-FR	Grout Associated. Red 6"x6" Ceramic Floor Tile- Dark Grey	**Not Analyzed**			
10056004_0289					

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Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
131A-060724-FR	2'x2 ' Ceramic Tile - Grey	**Not Analyzed**			
10056004_0290					
131B-060724-FR	2'x2 ' Ceramic Tile - Grey	**Not Analyzed**			
10056004_0291					
132A-060724-FR	Grout Associated. Grey 2'x2' Ceramic Tile - Grey	**Not Analyzed**			
10056004_0292					
132B-060724-FR	Grout Associated. Grey 2'x2' Ceramic Tile - Grey	**Not Analyzed**			
10056004_0293					
133A-060724-FR	Mudset Associated. Grey 2'x2 ' Ceramic Tile- Light Grey	**Not Analyzed**			
10056004_0294					
133B-060724-FR	Mudset Associated. Grey 2'x2 ' Ceramic Tile- Light Grey	**Not Analyzed**			
10056004_0295					
134A-060724-FR	I'x I' Ceram ic Floor Tile - Tan	**Not Analyzed**			
10056004_0296					
134B-060724-FR	I'x I' Ceram ic Floor Tile - Tan	**Not Analyzed**			
10056004_0297					

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Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
135A-060724-FR	Grout Associated. Tan 1 'x I' Ceramic Tile- Tan	**Not Analyzed**			
10056004_0298					
135B-060724-FR	Grout Associated. Tan 1 'x I' Ceramic Tile- Tan	**Not Analyzed**			
10056004_0299					
136A-060724-FR	Mudset Associated. Tan I 'x I ' Ceran lie Tile- Grey	**Not Analyzed**			
10056004_0300					
136B-060724-FR	Mudset Associated. Tan I 'x I ' Ceran lie Tile- Grey	**Not Analyzed**			
10056004_0301					
137A-060724-FR	1' x I' Vinyl Floor Tile - White	**Not Analyzed**			
10056004_0302					
137B-060724-FR	1' x I' Vinyl Floor Tile - White	**Not Analyzed**			
10056004_0303					
138A-060724-FR	Adhesive Associated. White I'x I' Vinyl Floor Tile- Tan	**Not Analyzed**			
10056004_0304					
138B-060724-FR	Adhesive Associated. White I'x I' Vinyl Floor Tile- Tan	**Not Analyzed**			
10056004_0305					

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
139A-060724-FR	Adhesive Associated. Gray Carpet - Light Tan	**Not Analyzed**			
10056004_0306					
139B-060724-FR	Adhesive Associated. Gray Carpet - Light Tan	**Not Analyzed**			
10056004_0307					
140A-060724-FR	1'x 1' Vinyl Floor Tile - Tan	**Not Analyzed**			
10056004_0308					
140B-060724-FR	1'x 1' Vinyl Floor Tile - Tan	**Not Analyzed**			
10056004_0309					
141A-060724-FR	1'x 1' Vinyl Floor Tile - White	**Not Analyzed**			
10056004_0310					
141B-060724-FR	1'x 1' Vinyl Floor Tile - White	**Not Analyzed**			
10056004_0311					
142A-060724-FR	1'x1' Ceramic Floor Tile - Grey/Black Marble	**Not Analyzed**			
10056004_0312					
142B-060724-FR	1'x1' Ceramic Floor Tile - Grey/Black Marble	**Not Analyzed**			
10056004_0313					

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146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
143A-060724-FR	Grout Associated. Grey/Black Marble 1'x1' Ceramic Floor Tile- Dark Grey	**Not Analyzed**			
10056004_0314					
143B-060724-FR	Grout Associated. Grey/Black Marble 1'x1' Ceramic Floor Tile- Dark Grey	**Not Analyzed**			
10056004_0315					
144A-060724-FR	Mudset Associated. Grey/Black Marble 1'x1' Ceramic Floor Tile- Tan	**Not Analyzed**			
10056004_0316					
144B-060724-FR	Mudset Associated. Grey/Black Marble 1'x1' Ceramic Floor Tile- Tan	**Not Analyzed**			
10056004_0317					
145A-060724-FR	½" Drywall - White	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0318					Crushed
145B-060724-FR	½" Drywall - White	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0319					Crushed
145C-060724-FR	½" Drywall - White	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0320					Crushed
145D-060724-FR	½" Drywall - White	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0321					Crushed

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Megan Javonovich (442)
Analyst

Nathaniel Durham
Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
145E-060724-FR	½" Drywall - White	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0322					Crushed
145F-060724-FR	½" Drywall - White	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0323					Crushed
145G-060724-FR	½" Drywall - White	**None Detected**	**10% Cellulose**	**90% Other**	Gray Non-Fibrous Homogeneous
10056004_0324					Crushed
146A-060724-FR - A	Tape & Joint Compound - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0325	*joint compound*				Crushed
146A-060724-FR - B	Tape & Joint Compound - White	**None Detected**	**98% Cellulose**	**2% Other**	White Fibrous Homogeneous
10056004_0431	*tape*				Ashed
146B-060724-FR - A	Tape & Joint Compound - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0326	*joint compound*				Crushed
146B-060724-FR - B	Tape & Joint Compound - White	**None Detected**	**98% Cellulose**	**2% Other**	White Fibrous Homogeneous
10056004_0432	*tape*				Ashed
146C-060724-FR - A	Tape & Joint Compound - White	**3% Chrysotile**		**97% Other**	Tan Non-Fibrous Homogeneous
10056004_0327	*joint compound*				Crushed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
146C-060724-FR - B	Tape & Joint Compound - White	**None Detected**	**98% Cellulose**	**2% Other**	White Fibrous Homogeneous
10056004_0433	*tape*				Ashed
146D-060724-FR - A	Tape & Joint Compound - White	**Not Analyzed**			
10056004_0328	*joint compound*				
146D-060724-FR - B	Tape & Joint Compound - White	**None Detected**	**98% Cellulose**	**2% Other**	White Fibrous Homogeneous
10056004_0434	*tape*				Ashed
146E-060724-FR - A	Tape & Joint Compound - White	**Not Analyzed**			
10056004_0329	*joint compound*				
146E-060724-FR - B	Tape & Joint Compound - White	**None Detected**	**98% Cellulose**	**2% Other**	White Fibrous Homogeneous
10056004_0435	*tape*				Ashed
146F-060724-FR - A	Tape & Joint Compound - White	**Not Analyzed**			
10056004_0330	*joint compound*				
146F-060724-FR - B	Tape & Joint Compound - White	**None Detected**	**98% Cellulose**	**2% Other**	White Fibrous Homogeneous
10056004_0436	*tape*				Ashed
146G-060724-FR - A	Tape & Joint Compound - White	**Not Analyzed**			
10056004_0331	*joint compound*				

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NVLAP LAB CODE 200664-0

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146 Hartford Road
Manchester, CT 06040

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Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
146G-060724-FR - B	Tape & Joint Compound - White	**None Detected**	**98% Cellulose**	**2% Other**	White Fibrous Homogeneous
10056004_0437	*tape*				Ashed
147A-060724-FR	4" Vinyl Cove Base - Dark Blue	**None Detected**		**100% Other**	Purple, Blue Non-Fibrous Homogeneous
10056004_0332					Ashed
147B-060724-FR	4" Vinyl Cove Base - Dark Blue	**None Detected**		**100% Other**	Purple, Blue Non-Fibrous Homogeneous
10056004_0333					Ashed
148A-060724-FR	Adhesive Associated. Dark Blue 4" Vinyl Cove Base- Tan	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0334					Ashed
148B-060724-FR	Adhesive Associated. Dark Blue 4" Vinyl Cove Base- Tan	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0335					Ashed
149A-060724-FR	4" Vinyl Cove Base - Blue	**None Detected**		**100% Other**	Gray, Blue Non-Fibrous Homogeneous
10056004_0336					Ashed
149B-060724-FR	4" Vinyl Cove Base - Blue	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056004_0337					Ashed
150A-060724-FR	Adhesive Associated Blue 4" Vinyl Cove Base- Tan	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0338					Ashed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
150B-060724-FR	Adhesive Associated Blue 4" Vinyl Cove Base- Tan	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0339					Ashed
151A-060724-FR	4" Vinyl Cove Base - Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0340					Ashed
151B-060724-FR	4" Vinyl Cove Base - Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056004_0341					Ashed
152A-060724-FR	Adhesive Associated. Grey 4" Vinyl Cove Base- Tan	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0342					Ashed
152B-060724-FR	Adhesive Associated. Grey 4" Vinyl Cove Base- Tan	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0343					Ashed
153A-060724-FR - A	Countertop/Adhesive - Faux Marble Look Tan	**None Detected**		**100% Other**	Tan, Gray Non-Fibrous Homogeneous
10056004_0344	*countertop*				Ashed
153A-060724-FR - B	Countertop/Adhesive - Faux Marble Look Tan	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0438	*adhesive*				Dissolved
153B-060724-FR - A	Countertop/Adhesive - Faux Marble Look Tan	**None Detected**		**100% Other**	Gray, Tan Non-Fibrous Homogeneous
10056004_0345	*countertop*				Ashed

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Bulk Asbestos Analysis

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NVLAP LAB CODE 200664-0

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Project: Silver Lane Plaza/20230389.A11

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Date Received: 07/03/2024
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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
153B-060724-FR - B	Countertop/Adhesive - Faux Marble Look Tan	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0439	*adhesive*				Dissolved
154A-060724-FR - A	Countertop/ Adhesive - Blue/Yellow	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056004_0346	*countertop*				Ashed
154A-060724-FR - B	Countertop/ Adhesive - Blue/Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0440	*adhesive*				Dissolved
154B-060724-FR - A	Countertop/ Adhesive - Blue/Yellow	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056004_0347	*countertop*				Ashed
154B-060724-FR - B	Countertop/ Adhesive - Blue/Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0441	*adhesive*				Dissolved
155A-060724-FR - A	Countertop/ Adhesive - Pink/Yellow	**None Detected**		**100% Other**	Pink Non-Fibrous Homogeneous
10056004_0348	*countertop*				Ashed
155A-060724-FR - B	Countertop/ Adhesive - Pink/Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0442	*adhesive*				Dissolved
155B-060724-FR - A	Countertop/ Adhesive - Pink/Yellow	**None Detected**		**100% Other**	Pink Non-Fibrous Homogeneous
10056004_0349	*countertop*				Ashed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
155B-060724-FR - B	Countertop/ Adhesive - Pink/Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0443	*adhesive*				Dissolved
156A-060724-FR	6"x8" Ceramic Wall Tile - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0350	*countertop*				Crushed
156B-060724-FR	6"x8" Ceramic Wall Tile - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0351	*adhesive*				Crushed
157A-060724-FR	Thinset Associated White 6"x8" Ceramic Wall Tile- White	**None Detected**		**100% Other**	Cream Non-Fibrous Homogeneous
10056004_0352					Dissolved
157B-060724-FR	Thinset Associated White 6"x8" Ceramic Wall Tile- White	**None Detected**		**100% Other**	Cream Non-Fibrous Homogeneous
10056004_0353					Dissolved
158A-060724-FR	Grout Thinset Associated White 6"x8" Ceramic Wall Tile- White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0354					Crushed
158B-060724-FR	Grout Thinset Associated White 6"x8" Ceramic Wall Tile- White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056004_0355					Crushed
159A-060724-FR	Vinyl Backsplash- Stone Tile Look Grey	**None Detected**		**100% Other**	White, Gray Non-Fibrous Homogeneous
10056004_0356					Ashed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
159B-060724-FR	Vinyl Backsplash- Stone Tile Look Grey	**None Detected**		**100% Other**	White, Gray Non-Fibrous Homogeneous
10056004_0357					Ashed
160A-060724-FR	Adhesive Associated. Stone Tile Look Grey Vinyl Backsplash- Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0358					Dissolved
160B-060724-FR	Adhesive Associated. Stone Tile Look Grey Vinyl Backsplash- Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056004_0359					Dissolved
161A-060724-FR	2' x 4' Suspended Ceiling Tile - Pinhole & Worm Tracks- White	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**10% Perlite** **10% Other**	Gray Fibrous Homogeneous
10056004_0360					Ashed
161B-060724-FR	2' x 4' Suspended Ceiling Tile - Pinhole & Worm Tracks- White	**None Detected**	**40% Fiber Glass** **40% Cellulose**	**10% Perlite** **10% Other**	Gray Fibrous Homogeneous
10056004_0361					Ashed
162A-060724-FR	Glue Daubs - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0362					Dissolved
162B-060724-FR	Glue Daubs - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056004_0363					Dissolved
163A-060724-FR	Mudded Fitting - Grey	**20% Chrysotile**	**30% Fiber Glass**	**50% Other**	Gray Fibrous Heterogeneous
10056004_0364					Teased

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NVLAP LAB CODE 200664-0

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146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056004**
Analysis: PLM
Date Received: 07/03/2024
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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
163B-060724-FR	Mudded Fitting - Grey	**Not Analyzed**			
10056004_0365					
163C-060724-FR	Mudded Fitting - Grey	**Not Analyzed**			
10056004_0366					

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Phone: 336.292.3888 Fax: 336.292.3313
www.sailab.com lab@sailab.com

Lab Use Only
Lab Order ID: 10056004
Client Code: _____

Company Contact Information

Company: Fuss & O'Neill, Inc.	Contact: Carlos Texidor
Address: 146 Hartford Road Manchester, CT 06040	Phone ☐: 860-646-2469
	Fax ☐:
	Email ☒: LabResults@fando.com & carlos.texidor@fando.com

Billing/Invoice Information

Company: Fuss & O'Neill, Inc.

Contact: Carlos Texidor

Address: 146 Hartford Road
Manchester, CT 06040

Turn Around Times

90 Min. ☐	48 Hours ☐
3 Hours ☐	72 Hours ☐
6 Hours ☐	96 Hours ☐
12 Hours ☐	120 Hours ☐
24 Hours ☐	7 Days ☒

PO Number: 20230389.A11

Project Name/Number: Silver Lane Plaza/20230389.A11

Special Instructions:
No TEM-NOB Analysis.

If Any Sample in Group 03A-C-060724-FR is Positive for ACM (> or = 1% Asbestos): Positive Stop DO NOT TEST Sample Groups 04A-060724-FR Thru 40B-060724-FR

If all samples in Group 03A-C-060724-FR are <1% asbestos or ND, please call for additional instructions on analysis of Sample Groups 04A-060724-FR Thru 40B-060724-FR

If Any Sample in Group 123A-H-060724-FR is Positive for ACM (> or = 1% Asbestos): Positive Stop DO NOT TEST Sample Groups 124A-060724-FR Thru 144B-060724-FR

If all samples in Group 123A-H-060724-FR are <1% asbestos or ND, please call for additional instructions on analysis of Sample Groups 124A-060724-FR Thru 144B-060724-FR

Positive Stop for samples of each set.

Asbestos Test Types

PLM EPA 600/R-93/116 (PLM)	☒
Positive stop	☒
PLM Point Count 400 (PT4)	☐
PLM Point Count 1000 (PTM)	☐
PCM NIOSH 7400-A Rules (PCM)	☐
B Rules (PCB) ☐ TWA (PTA) ☐	
TEM AHERA (AHE)	☐
TEM Level II (LII)	☐
TEM NIOSH 7402 (TNI)	☐
TEM Bulk Qualitative (TBL)	☐
TEM Bulk Chatfield (TBS)	☐
TEM Bulk Quantitative (TBQ)	☐
TEM Wipe ASTM D6480-05	☐
TEM Microvac ASTM D5755-09	☐
TEM Water EPA 100.2 (TW1)	☐
Other: _____	☐

Sample ID #	Location	Description	Quantity
Building A-Second Floor			
01A-060724-FR	Northwest Room – D Wall	½" Drywall - White	54000 SF
01B-060724-FR	Southeast Dentist – B Wall	½" Drywall - White	54000 SF
01C-060724-FR	Room 205 – B Wall	½" Drywall - White	54000 SF
01D-060724-FR	Room 201 – C Wall	½" Drywall - White	54000 SF
01E-060724-FR	Northeast Room – A Wall	½" Drywall - White	54000 SF

Scientific Analytical Institute
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www.sailab.com lab@sailab.com

Lab Use Only
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Client Code: _____

01F-060724-FR	Kids Dentists – D Wall	½" Drywall - White	54000 SF
01G-060724-FR	Northeast Dentist – B Wall	½" Drywall - White	54000 SF
02A-060724-FR	Northwest Room – D Wall	Tape & Joint Compound - White	54000 SF
02B-060724-FR	Southeast Dentist – B Wall	Tape & Joint Compound - White	54000 SF
02C-060724-FR	Room 205 – B Wall	Tape & Joint Compound - White	54000 SF
02D-060724-FR	Room 201 – C Wall	Tape & Joint Compound - White	54000 SF
02E-060724-FR	Northeast Room – A Wall	Tape & Joint Compound - White	54000 SF
02F-060724-FR	Kids Dentists – D Wall	Tape & Joint Compound - White	54000 SF
02G-060724-FR	Northeast Dentist – B Wall	Tape & Joint Compound - White	54000 SF
03A-060724-FR	Northeast Dentist	Floor Mastic on Concrete Associated. Brown 9"x9" Vinyl Floor Tile – Black	18000 SF
03B-060724-FR	Hair Salon	Floor Mastic on Concrete Associated. Black & Grey 1'x1' Vinyl Floor Tile – Black	18000 SF
03C-060724-FR	Elevator Closest	Floor Mastic on Concrete Associated. Green 9"x9" Vinyl Floor Tile – Black	18000 SF
04A-060724-FR	Hair Salon – North	1'x1' Vinyl Floor Tile - Black	525 SF
04B-060724-FR	Hair Salon – South	1'x1' Vinyl Floor Tile - Black	525 SF
05A-060724-FR	Hair Salon – North	1'x1' Vinyl Floor Tile – Grey	525 SF
05B-060724-FR	Hair Salon – South	1'x1' Vinyl Floor Tile – Grey	525 SF
06A-060724-FR	Northeast Room – Extras	1'x1' Vinyl Floor Tile - Black	15 SF
06B-060724-FR	Northeast Room – Extras	1'x1' Vinyl Floor Tile - Black	15 SF
07A-060724-FR	Northeast Dentist	9"x9" Vinyl Floor Tile Under Blue 1'x1' Vinyl Floor Tile – Brown	4100 S
07B-060724-FR	Northeast Room	9"x9" Vinyl Floor Tile Under Blue 1'x1' Vinyl Floor Tile – Brown	4100 S
08A-060724-FR	Northeast Dentist	1'x1' Vinyl Floor Tile – Dark Blue	2050 S
08B-060724-FR	Northeast Dentist	1'x1' Vinyl Floor Tile – Dark Blue	2050 S
10A-060724-FR	Northeast Dentist	Adhesive Associated. With Dark Blue & Light Blue 1'x1' Vinyl Floor Tile - Tan	4100 S
10B-060724-FR	Northeast Dentist	Adhesive Associated. With Dark Blue & Light Blue 1'x1' Vinyl Floor Tile - Tan	4100 S
11A-060724-FR	Northeast Dentist	1'x1' Vinyl Floor Tile – Light Blue	2525 S
11B-060724-FR	Southeast Dentist	1'x1' Vinyl Floor Tile – Light Blue	2525 S
12A-060724-FR	Kids Dentist	1'x1' Vinyl Floor Tile – Cream	315 SF
12B-060724-FR	Northeast Room Shelf	1'x1' Vinyl Floor Tile – Cream	315 SF
13A-060724-FR	Elevator Closest	9"x9" Vinyl Floor Tile – Green	20 SF
13B-060724-FR	Elevator Closest	9"x9" Vinyl Floor Tile – Green	20 SF
14A-060724-FR	Kids Dentist	1'x1' Vinyl Floor Tile – White	10 SF
14B-060724-FR	Kids Dentist	1'x1' Vinyl Floor Tile – White	10 SF

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15A-060724-FR	Kids Dentist	Adhesive Associated. White & Cream 1'x1' White Vinyl Floor Tile – Tan	325 SF
15B-060724-FR	Kids Dentist	Adhesive Associated. White & Cream 1'x1' White Vinyl Floor Tile – Tan	325 SF
16A-060724-FR	Kids Dentist	Self-Adhesive Sheet Floor – Wood Pattern	600 SF
16B-060724-FR	Kids Dentist	Self-Adhesive Sheet Floor – Wood Pattern	600 SF
17A-060724-FR	Kids Dentist	Adhesive Associated. Wood Pattern Self-Adhesive Sheet Floor – Clear/Yellow	600 SF
17B-060724-FR	Kids Dentist	Adhesive Associated Wood Pattern Self-Adhesive Sheet Floor – Clear/Yellow	600 SF
18A-060724-FR	Northeast Room – Shelf	Self-Adhesive 1'x1' Floor Tile – White/Tan	10 SF
18B-060724-FR	Northeast Room – Shelf	Self-Adhesive 1'x1' Floor Tile – White/Tan	10 SF
19-060724- FR	Sample 19 Not Used		
20-060724-FR	Sample # 20 Not Used		
21A-060724-FR	Kids Dentist	Adhesive Assc. Blue 2'x2' Carpet Squares – Yellow/White	64 SF
21B-060724-FR	Kids Dentist	Adhesive Assc. Blue 2'x2' Carpet Squares – Yellow/White	64 SF
22A-060724-FR	Room 220	Adhesive/Mastic Assc. Brown Carpet – Black/Yellow	4100 SF
22B-060724-FR	Northwest Room	Adhesive/Mastic Assc. Brown Carpet – Black/Yellow	4100 SF
22C-060724-FR	Room 210	Adhesive/Mastic Assc. Brown Carpet – Black/Yellow	4100 SF
23-060724-FR	Sample # Not Used		
24A-060724-FR	Northeast Room	Adhesive Assc. Grey Carpet - Yellow	450 SF
24B-060724-FR	Northeast Room	Adhesive Assc. Grey Carpet - Yellow	450 SF
25-060724-FR	Sample # Not Used		
26A-060724-FR	Northeast Dentist	Adhesive Assc. Brown Specked Carpet - Yellow	300 SF
26B-060724-FR	Northeast Dentist	Adhesive Assc. Brown Specked Carpet – Yellow	300 SF
27-060724-FR	Sample # Not Used		
28A-060724-FR	Southeast Dentist	Adhesive Assc. Grey W/ Tan Wiggles Carpet - Tan	280 SF
28B-060724-FR	Southeast Dentist	Adhesive Assc. Grey W/ Tan Wiggles Carpet - Tan	280 SF
29A-060724-FR	Room 203	Carpet on Yellow/Black Adhesive/Mastic – Dark Brown	870 SF
29B-060724-FR	Room 205	Carpet on Yellow/Black Adhesive/Mastic – Dark Brown	870 SF
30A-060724-FR	Room 204	Adhesive & Red/Brown Carpet - White	300 SF
30B-060724-FR	Room 204	Adhesive & Red/Brown Carpet - White	300 SF
31A-060724-FR	Women's Bathroom	1"x1" Ceramic Floor Tile - Tan	250 SF
31B-060724-FR	Women's Bathroom	1"x1" Ceramic Floor Tile - Tan	250 SF

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32A-060724-FR	Women's Bathroom	½"x1" Ceramic Floor Tile – Tan	250 SF
32B-060724-FR	Women's Bathroom	½"x1" Ceramic Floor Tile – Tan	250 SF
33A-060724-FR	Women's Bathroom	½"x½" Ceramic Floor Tile - Tan	250 SF
33B-060724-FR	Women's Bathroom	½"x½" Ceramic Floor Tile - Tan	250 SF
34A-060724-FR	Women's Bathroom	Thinset Associated. Tan Ceramic Floor Tiles - Tan	250 SF
34B-060724-FR	Women's Bathroom	Thinset Associated. Tan Ceramic Floor Tiles – Tan	250 SF
35A-060724-FR	Women's Bathroom	Grout Associated. Tan Ceramic Floor Tiles – Grey	250 SF
35B-060724-FR	Women's Bathroom	Grout Associated. Tan Ceramic Floor Tiles – Grey	250 SF
36A-060724-FR	Men's Bathroom	1"x1" Ceramic Floor Tile – Grey	230 SF
36B-060724-FR	Men's Bathroom	1"x1" Ceramic Floor Tile – Grey	230 SF
37A-060724-FR	Men's Bathroom	½"x1" Ceramic Floor Tile – Grey	230 SF
37B-060724-FR	Men's Bathroom	½"x1" Ceramic Floor Tile – Grey	230 SF
38A-060724-FR	Men's Bathroom	½"x½" Ceramic Floor Tile – Grey	230 SF
38B-060724-FR	Men's Bathroom	½"x½" Ceramic Floor Tile - Grey	230 SF
39A-060724-FR	Men's Bathroom	Thinset Associated. Tan Ceramic Floor Tiles – Tan	230 SF
39B-060724-FR	Men's Bathroom	Thinset Associated. Tan Ceramic Floor Tiles – Tan	230 SF
40A-060724-FR	Men's Bathroom	Grout Associated. Tan Ceramic Floor Tiles – Dark Grey	230 SF
40B-060724-FR	Men's Bathroom	Grout Associated. Tan Ceramic Floor Tiles – Dark Grey	230 SF
41A-060724-FR	Hair Salon	4" Vinyl Cove Base - Black	225 LF
41B-060724-FR	Hair Salon	4" Vinyl Cove Base – Black	225 LF
42A-060724-FR	Hair Salon	Adhesive Associated. Black 4" Vinyl Cove Base – White	225 LF
42B-060724-FR	Hair Salon	Adhesive Associated. Black 4" Vinyl Cove Base - White	225 LF
43A-060724-FR	Room 204	4" Vinyl Cove Base – Tan	110 LF
43B-060724-FR	Room 204	4" Vinyl Cove Base – Tan	110 LF
44A-060724-FR	Room 204	Adhesive Associated. Tan 4" Vinyl Cove Base – Tan	110 LF
44B-060724-FR	Room 204	Adhesive Associated. Tan 4" Vinyl Cove Base - Tan	110 LF
45A-060724-FR	Northeast Dentist	4" Vinyl Cove Base – Grey	200 LF
45B-060724-FR	Northeast Dentist	4" Vinyl Cove Base – Grey	200 LF
46A-060724-FR	Northeast Dentist	Adhesive Associated. Grey 4" Vinyl Cove Base – Grey	200 LF
46B-060724-FR	Northeast Dentist	Adhesive Associated. Grey 4" Vinyl Cove Base - Grey	200 LF

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47A-060724-FR	Kids Dentist	4" Vinyl Cove Base - Black	90 LF
47B-060724-FR	Kids Dentist	4" Vinyl Cove Base – Black	90 LF
48A-060724-FR	Kids Dentist	Adhesive Associated. Black 4" Vinyl Cove Base – Tan	90 LF
48B-060724-FR	Kids Dentist	Adhesive Associated. Black 4" Vinyl Cove Base - Tan	90 LF
49A-060724-FR	Northeast Room	4" Vinyl Cove Base – Dark Brown	90 LF
49B-060724-FR	Northeast Room	4" Vinyl Cove Base – Dark Brown	90 LF
50A-060724-FR	Northeast Room	Adhesive Associated. Dark Brown 4" Vinyl Cove Base – Tan	90 LF
50B-060724-FR	Northeast Room	Adhesive Associated. Dark Brown 4" Vinyl Cove Base - Tan	90 LF
51A-060724-FR	Kids Dentist	4" Vinyl Cove Base – Brown/Grey	160 LF
51B-060724-FR	Kids Dentist	4" Vinyl Cove Base – Brown/Grey	160 LF
52A-060724-FR	Kids Dentist	Adhesive Associated. Brown/Grey 4" Vinyl Cove Base – Tan	160 LF
52B-060724-FR	Kids Dentist	Adhesive Associated. Brown/Grey 4" Vinyl Cove Base - Tan	160 LF
53A-060724-FR	Southeast Dentist	4" Vinyl Cove Base – Blue	400 LF
53B-060724-FR	Southeast Dentist	4" Vinyl Cove Base – Blue	400 LF
54A-060724-FR	Southeast Dentist	Adhesive Associated. Blue 4" Vinyl Cove Base – Tan	400 LF
54B-060724-FR	Southeast Dentist	Adhesive Associated. Blue 4" Vinyl Cove Base - Tan	400 LF
55A-060724-FR	Northeast Dentist	4" Vinyl Cove Base – Tan	40 LF
55B-060724-FR	Northeast Dentist	4" Vinyl Cove Base – Tan	40 LF
56A-060724-FR	Northeast Dentist	Adhesive Associated. Tan 4" Vinyl Cove Base – Tan	40 LF
56B-060724-FR	Northeast Dentist	Adhesive Associated. Tan 4" Vinyl Cove Base - Tan	40 LF
57-060724-FR	Sample # Not Used		
58A-060724-FR	Room 203	Adhesive & Dk Brown/Grey 4" Carpet Cove Base – Yellow/Black	300 LF
58B-060724-FR	Room 205	Adhesive & Dk Brown/Grey 4" Carpet Cove Base – Yellow/Black	300 LF
59A-060724-FR	Southeast Dentist	Wallpaper & Adhesive – White Splatter & White	440 SF
59B-060724-FR	Southeast Dentist	Wallpaper & Adhesive – White Splatter & White	440 SF
60A-060724-FR	Southeast Dentist	Wallpaper & Adhesive – Grey Diagonal & Tan	440 SF
60B-060724-FR	Southeast Dentist	Wallpaper & Adhesive – Grey Diagonal & Tan	440 SF
61A-060724-FR	Elevator Closet	Wallpaper & Adhesive – Green & Tan	160 SF
61B-060724-FR	Elevator Closet	Wallpaper & Adhesive – Grenn & Tan	160 SF
62A-060724-FR	Southeast Dentist	Wallpaper & Adhesive – White Thin Vertical Line & Yellow	1350 SF

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62B-060724-FR	Southeast Dentist	Wallpaper & Adhesive – White Thin Vertical Line & Yellow	13 50 SF
63A-060724-FR	Northeast Room	Wallpaper & Adhesive – White W/ Red Strip & Tan	11 00 SF
64B-060724-FR	Northeast Room	Wallpaper & Adhesive – White W/ Red Strip & Tan	11 00 SF
65A-060724-FR	Southeast Dentist	Wallpaper & Adhesive – Blue Thick Vertical Line & Yellow	40 0 SF
65B-060724-FR	Southeast Dentist	Wallpaper & Adhesive – Blue Thick Vertical Line & Yellow	40 0 SF
66A-060724-FR	Northeast Dentist	Wallpaper & Adhesive – Yellow & Tan	58 0 SF
66B-060724-FR	Northeast Dentist	Wallpaper & Adhesive – Yellow & Tan	58 0 SF
67A-060724-FR	South End of Hallway	2'x2' Drop Ceiling Tile – Pinhole - White	35 0 SF
67B-060724-FR	North End of Hallway	2'x2' Drop Ceiling Tile – Pinhole – White	35 0 SF
68A-060724-FR	Northeast Room	2'x4' Drop Ceiling Tile – Pinhole & Worm Tracks – White	17 20 SF
68B-060724-FR	Kids Dentist	2'x4' Drop Ceiling Tile – Pinhole & Worm Tracks – White	17 20 SF
69A-060724-FR	Kids Dentist	2'x2' Drop Ceiling Tile – Pinholes & Fissures - White	60 SF
69B-060724-FR	Kids Dentist	2'x2' Drop Ceiling Tile – Pinholes & Fissures - White	60 SF
70A-060724-FR	Southeast Dentist	Sink Undercoat – White	1 EA
70B-060724-FR	Southeast Dentist	Sink Undercoat - White	1 EA
71A-060724-FR	Southeast Dentist	Sink Undercoat – Black	1 EA
71B-060724-FR	Southeast Dentist	Sink Undercoat - Black	1 EA
72A-060724-FR	Southeast Dentist – Breakroom	Sink Undercoat – Grey	1 EA
72B-060724-FR	Southeast Dentist - Breakroom	Sink Undercoat – Grey	1 EA
73A-060724-FR	Northeast Dentist	Sink Undercoat – White	1 EA
73B-060724-FR	Northeast Dentist	Sink Undercoat - White	1 EA
74A-060724-FR	Northeast Dentist	Sink Undercoat – Black	1 EA
74B-060724-FR	Northeast Dentist	Sink Undercoat - Black	1 EA
75A-060724-FR	Northeast Dentist	Sink Undercoat – Grey	1 EA
75B-060724-FR	Northeast Dentist	Sink Undercoat – Grey	1 EA
76A-060724-FR	Kids Dentist	Sink Undercoat – White	1 EA
76B-060724-FR	Kids Dentist	Sink Undercoat - White	1 EA
77A-060724-FR	Kids Dentist	Sink Undercoat – Black	1 EA
77B-060724-FR	Kids Dentist	Sink Undercoat - Black	1 EA
78A-060724-FR	Southeast Dentist	Laminate Countertop & Adhesive – Teal & Clear	50 SF
78B-060724-FR	Southeast Dentist	Laminate Countertop & Adhesive – Teal & Clear	50 SF

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79A-060724-FR	Southeast Dentist	Laminate Countertop & Adhesive – Pink & Clear	30 SF
79B-060724-FR	Southeast Dentist	Laminate Countertop & Adhesive – Pink & Clear	30 SF
80A-060724-FR	Southeast Dentist	Laminate Countertop & Adhesive – Grey & Yellow	40 SF
80B-060724-FR	Southeast Dentist	Laminate Countertop & Adhesive – Grey & Yellow	40 SF
81A-060724-FR	Southeast Dentist	Laminate Countertop & Adhesive – Tan & Yellow	50 SF
81B-060724-FR	Southeast Dentist	Laminate Countertop & Adhesive – Tan & Yellow	50 SF
82A-060724-FR	Southeast Dentist	Laminate Countertop & Adhesive – Blue & Yellow	50 SF
82B-060724-FR	Southeast Dentist	Laminate Countertop & Adhesive – Blue & Yellow	50 SF
83A-060724-FR	Southeast Dentist	Laminate Countertop & Adhesive – Tan & Green	15 SF
83B-060724-FR	Southeast Dentist	Laminate Countertop & Adhesive – Tan & Green	15 SF
84A-060724-FR	Northeast Dentist	Laminate Countertop & Adhesive – Wood Look & Red	45 SF
84B-060724-FR	Northeast Dentist	Laminate Countertop & Adhesive – Wood Look & Red	45 SF
85A-060724-FR	Northeast Dentist	Laminate Countertop & Adhesive – White & Red	40 SF
85B-060724-FR	Northeast Dentist	Laminate Countertop & Adhesive – White & Red	40 SF
86A-060724-FR	Northeast Dentist	Laminate Countertop & Adhesive – Sand & Grey	45 SF
86B-060724-FR	Northeast Dentist	Laminate Countertop & Adhesive – Sand & Grey	45 SF
87A-060724-FR	Northeast Dentist	Laminate Countertop & Adhesive – Grey & Yellow	20 SF
87B-060724-FR	Northeast Dentist	Laminate Countertop & Adhesive – Grey & Yellow	20 SF
88A-060724-FR	Northeast Dentist	Laminate Countertop & Adhesive – Dark Brown & Yellow	45 SF
88B-060724-FR	Northeast Dentist	Laminate Countertop & Adhesive – Dark Brown & Yellow	45 SF
89A-060724-FR	Northeast Dentist	Laminate Countertop & Adhesive – White & Yellow	45 SF
89B-060724-FR	Northeast Dentist	Laminate Countertop & Adhesive – White & Yellow	45 SF
90A-060724-FR	Northeast Dentist	Laminate Countertop & Adhesive – Orange & Yellow	20 SF
90B-060724-FR	Northeast Dentist	Laminate Countertop & Adhesive – Orange & Yellow	20 SF
91A-060724-FR	Kids Dentist	Laminate Countertop & Adhesive – Light Blue & Yellow	60 SF
91B-060724-FR	Kids Dentist	Laminate Countertop & Adhesive – Light Blue & Yellow	60 SF

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92A-060724-FR	Kids Dentist	Laminate Countertop & Adhesive – Light Grey & Red	40 SF
92B-060724-FR	Kids Dentist	Laminate Countertop & Adhesive – Light Grey & Red	40 SF
93A-060724-FR	Kids Dentist	Laminate Countertop & Adhesive – Grey & Clear	65 SF
93B-060724-FR	Kids Dentist	Laminate Countertop & Adhesive – Grey & Clear	65 SF
94A-060724-FR	Kids Dentist	Laminate Countertop & Adhesive – Light Grey & Clear	40 SF
94B-060724-FR	Kids Dentist	Laminate Countertop & Adhesive – Light Grey & Clear	40 SF
95A-060724-FR	Kids Dentist	Laminate Countertop & Adhesive – Light Blue & Yellow	60 SF
95B-060724-FR	Kids Dentist	Laminate Countertop & Adhesive – Light Blue & Yellow	60 SF
96A-060724-FR	Kids Dentist	Laminate Countertop & Adhesive – Grey Textured & Clear	35 SF
96B-060724-FR	Kids Dentist	Laminate Countertop & Adhesive – Grey Textured & Clear	35 SF
97A-060724-FR	Hair Salon	Laminate Countertop & Adhesive – White & Red	35 SF
97B-060724-FR	Hair Salon	Laminate Countertop & Adhesive – White & Red	35 SF
98A-060724-FR	Hair Salon	Laminate Countertop & Adhesive – Black & Yellow	10 SF
98B-060724-FR	Hair Salon	Laminate Countertop & Adhesive – Black & Yellow	10 SF
99A-060724-FR	Women's Bathroom – B Wall	4"x4" Ceramic Wall Tile - Pink	36 SF
99B-060724-FR	Women's Bathroom – B Wall	4"x4" Ceramic Wall Tile - Pink	36 SF
100A-060724-FR	Women's Bathroom – B Wall	Adhesive Associated. Pink 4"x4" Ceramic Wall Tile – Tan	36 SF
100B-060724-FR	Women's Bathroom – B Wall	Adhesive Associated. Pink 4"x4" Ceramic Wall Tile – Tan	36 SF
101A-060724-FR	Women's Bathroom – B Wall	Grout Associated. Pink 4"x4" Ceramic Wall Tile - White	36 SF
101B-060724-FR	Women's Bathroom – B Wall	Grout Associated. Pink 4"x4" Ceramic Wall Tile - White	36 SF
102A-060724-FR	Women's Bathroom – Sink	Caulking compound – White	10 LF
102B-060724-FR	Women's Bathroom – Sink	Caulking compound - White	10 LF
103A-060724-FR	Women's Bathroom - Window	4"x4" Ceramic Tile - Blue	10 SF
103B-060724-FR	Men's Bathroom - Window	4"x4" Ceramic Tile - Blue	10 SF
104A-060724-FR	Windows Bathroom - Window	Thinset Associated. Blue 4"x4" Ceramic Tile - Tan	10 SF
104B-060724-FR	Men's Bathroom - Window	Thinset Associated. Blue 4"x4" Ceramic Tile – Tan	10 SF
105A-060724-FR	Windows Bathroom - Window	Grout Associated. Blue 4"x4" Ceramic Tile - White	10 SF
105B-060724-FR	Men's Bathroom - Window	Grout Associated. Blue 4"x4" Ceramic Tile - White	10 SF

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106A-060724-FR	Men's Bathroom – B Wall	4"x4" Ceramic Tile - Blue	280 SF
106B-060724-FR	Men's Bathroom – B Wall	4"x4" Ceramic Tile - Blue	280 SF
107A-060724-FR	Men's Bathroom – B Wall	Thinset Associated. Blue 4"x4" Ceramic Tile - Tan	280 SF
107B-060724-FR	Men's Bathroom – B Wall	Thinset Associated Blue 4"x4" Ceramic Tile – Tan	280 SF
108A-060724-FR	Men's Bathroom – B Wall	Grout Associated. Blue 4"x4" Ceramic Tile - White	280 SF
108B-060724-FR	Men's Bathroom – B Wall	Grout Associated. Blue 4"x4" Ceramic Tile - White	280 SF
109A-060724-FR	Men's Bathroom – Sink	Caulk – White	10 LF
109B-060724-FR	Men's Bathroom – Sink	Caulk - White	10 LF
110A-060724-FR	Northwest Room – Door	Leveler - White	6 SF
110B-060724-FR	Northwest Room – Door	Leveler - White	6 SF
111A-060724-FR	Southeast Dentist – Eyewash Mirror	Adhesive - Black	4 SF
111B-060724-FR	Southeast Dentist – Eyewash Mirror	Adhesive – Black	4 SF
112A-060724-FR	Northeast Dentist – D Wall	Fiber Glass Insulation Paper - Brown	5600 SF
112B-060724-FR	Northeast Dentist – D Wall	Fiber Glass Insulation Paper - Brown	5600 SF
113A-060724-FR	Maintenance Room Off Men's Bathroom	Fiber Glass Insulation Foil Paper - Brown	320 LF
113B-060724-FR	Maintenance Room Off Men's Bathroom	Fiber Glass Insulation Foil Paper – Brown	320 LF
114A-060724-FR	Maintenance Room Off Men's Bathroom	Mudded Pipe Fittings - Grey	25 EA
114B-060724-FR	Hallway – Above Drop Ceiling – North	Mudded Pipe Fittings - Grey	25 EA
114C-060724-FR	Hallway – Above Drop Ceiling – North	Mudded Pipe Fittings – Grey	25 EA
Building A-Roof			
115A-060724-FR	Northeast Upper Roof – Center	4 Ply Tar Paper Over Iso Foam on Corrugated Metal – Black	18220 SF
115B-060724-FR	Northwest Upper Roof – Center	4 Ply Tar Paper Over Iso Foam on Corrugated Metal – Black	18220 SF
115C-060724-FR	Center Upper Roof – Center	4 Ply Tar Paper Over Iso Foam on Corrugated Metal – Black	18220 SF
115D-060724-FR	Southeast Upper Roof – Center	4 Ply Tar Paper Over Iso Foam on Corrugated Metal – Black	18220 SF
115E-060724-FR	Southwest Upper Roof - Center	4 Ply Tar Paper Over Iso Foam on Corrugated Metal – Black	18220 SF
115F-060724-FR	North Lower Roof – Center	4 Ply Tar Paper Over Wood Ply - Black	18220 SF
115G-060724-FR	South Lower Roof – Center	4 Ply Tar Paper Over Wood Ply - Black	18220 SF
116A-060724-FR	Northeast Upper Roof – Edge	4 Ply Tar Paper Over Wood Ply - Black	630 SF
116B-060724-FR	Northwest Upper Roof – Edge	4 Ply Tar Paper Over Wood Ply - Black	630 SF
116C-060724-FR	Center Upper Roof – Edge	4 Ply Tar Paper Over Wood Ply - Black	630 SF
116D-060724-FR	Southeast Upper Roof – Edge	4 Ply Tar Paper Over Wood Ply - Black	630 SF

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116E-060724-FR	Southwest Upper Roof - Edge	4 Ply Tar Paper Over Wood Ply - Black	630 SF
116F-060724-FR	North Lower Roof - Edge	4 Ply Tar Paper Over Wood Ply - Black	630 SF
116G-060724-FR	South Lower Roof - Edge	4 Ply Tar Paper Over Wood Ply - Black	630 SF
117A-060724-FR	Northwest Upper Roof - Flashing	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment - Black	510 SF
117B-060724-FR	Northwest Upper Roof – Flashing	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment - Black	510 SF
117C-060724-FR	Center Upper Roof – Flashing	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment - Black	510 SF
117D-060724-FR	Southwest Upper Roof - Flashing	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment - Black	510 SF
117E-060724-FR	Southwest Upper Roof – Flashing	4 Ply Tar Paper Over Wood Ply on Mechanical Equipment - Black	510 SF
117F-060724-FR	North Lower Roof – Flashing	4 Ply Tar Paper Over Wood Ply Against Building - Black	510 SF
117G-060724-FR	South Lower Roof – Flashing	4 Ply Tar Paper Over Wood Ply Against Building – Black	510 SF
118A-060724-FR	Northeast – Center	Iso-foam Paperback un 4 Ply Tar Paper on Corrugated Metal - Black	18220 SF
118B-060724-FR	Southwest – Center	Iso-foam Paperback under 4 Ply Tar Paper on Corrugated Metal	18220 SF
118C-060724-FR	Northeast – Center	Iso-foam Paperback under 4 Ply Tar Paper on Corrugated Metal	18220 SF
118D-060724-FR	Northwest – Center	Iso-foam Paperback under 4 Ply Tar Paper on Corrugated Metal	18220 SF
118E-060724-FR	Center - Center	Iso-foam Paperback under 4 Ply Tar Paper on Corrugated Metal	18220 SF
118F-060724-FR	Southeast – Center	Iso-foam Paperback under 4 Ply Tar Paper on Corrugated Metal	18220 SF
118G-060724-FR	Southwest - Center	Iso-foam Paperback under 4 Ply Tar Paper on Corrugated Metal	18220 SF
119A-060724-FR	Chimney	Brick - Red	320 SF
119B-060724-FR	Chimney	Brick – Red	320 SF
120A-060724-FR	Chimney	Mortar - White	320 SF
120B-060724-FR	Chimney	Mortar - White	320 SF
121A-060724-FR	Chimney	Tar Sealant - Black	32 LF
121B-060724-FR	Chimney	Tar Sealant – Black	32 LF
122A-060724-FR	Upper Roof – Mechanical Electrical Hole	Tar - Black	1 SF
122B-060724-FR	Upper Roof – Mechanical Electrical Hole	Tar - Black	1 SF
Building A- First Floor			
123A-060724-FR	Bank	Mastic/Adhesive Associated. Vinyl Wood Floor – Yellow/Black	18000 SF
123B-060724-FR	Bank	Mastic/Adhesive Associated. Vinyl Wood Floor – Yellow/Black	18000 SF
123C-060724-FR	Tobby's	Mastic Associated. 6"x6" Red Ceramic Tile - Black	18000 SF

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123D-060724-FR	Tobby's	Mastic Associated. 6"x6" Red Ceramic Tile - Black	18000 SF
123E-060724-FR	Print Shop	Mastic/Adhesive Associated. Tan 1'x1' Vinyl Floor Tile – Black	18000 SF
123F-060724-FR	Print Shop	Mastic/Adhesive Associated. Tan 1'x1' Vinyl Floor Tile - Black	18000 SF
123G-060724-FR	Hair Design	Mastic/Adhesive Associated. White 1'x1' Vinyl Floor Tile - Black	18000 SF
123H-060724-FR	Hair Design	Mastic/Adhesive Associated. White 1'x1' Vinyl Floor Tile - Black	18000 SF
124A-060724-FR	Bank – Main Room	Self-Adhesive Vinyl Floor – Wood Pattern	100 SF
124B-060724-FR	Bank – Main Room	Self-Adhesive Vinyl Floor – Wood Pattern	100 SF
125A-060724-FR	Bank – Bathroom Hallway	1'x1' Ceramic Tile - White	120 SF
125B-060724-FR	Bank - Bathroom	1'x1' Ceramic Tile – White	120 SF
126A-060724-FR	Bank – Bathroom Hallway	Thinset Associated. White 1'x1' Ceramic Tile - White	120 SF
126B-060724-FR	Bank - Bathroom	Thinset Associated. White 1'x1' Ceramic Tile – White	120 SF
127A-060724-FR	Bank – Bathroom Hallway	Grout Associated. White 1'x1' Ceramic Tile - Red	120 SF
127B-060724-FR	Bank - Bathroom	Grout Associated. White 1'x1' Ceramic Tile - Red	120 SF
128A-060724-FR	Bank – Main Room	Adhesive Associated. Blue Carpet - Tan	2000 SF
128B-060724-FR	Bank – Main Room	Adhesive Associated. Blue Carpet - Tan	2000 SF
129A-060724-FR	Tobby's – Coffee Bar	6"x6" Ceramic Floor Tile - Red	550 SF
129B-060724-FR	Tobby's - Kitchen	6"x6" Ceramic Floor Tile - Red	550 SF
130A-060724-FR	Tobby's – Coffee Bar	Grout Associated. Red 6"x6" Ceramic Floor Tile – Dark Grey	550 SF
130B-060724-FR	Tobby's - Kitchen	Grout Associated. Red 6"x6" Ceramic Floor Tile – Dark Grey	550 SF
131A-060724-FR	Tobby's - Bar	2'x2' Ceramic Tile - Grey	100 SF
131B-060724-FR	Tobby's - Bar	2'x2' Ceramic Tile - Grey	100 SF
132A-060724-FR	Tobby's - Bar	Grout Associated. Grey 2'x2' Ceramic Tile - Grey	100 SF
132B-060724-FR	Tobby's - Bar	Grout Associated. Grey 2'x2' Ceramic Tile - Grey	100 SF
133A-060724-FR	Tobby's - Bar	Mudset Associated. Grey 2'x2' Ceramic Tile – Light Grey	100 SF
133B-060724-FR	Tobby's - Bar	Mudset Associated. Grey 2'x2' Ceramic Tile – Light Grey	100 SF
134A-060724-FR	Tobby's – Main Room	1'x1' Ceramic Floor Tile - Tan	2000 SF
134B-060724-FR	Tobby's – Main Room	1'x1' Ceramic Floor Tile – Tan	2000 SF
135A-060724-FR	Tobby's – Main Room	Grout Associated. Tan 1'x1' Ceramic Tile – Tan	2000 SF
135B-060724-FR	Tobby's – Main Room	Grout Associated. Tan 1'x1' Ceramic Tile - Tan	2000 SF

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136A-060724-FR	Tobby's – Main Room	Mudset Associated. Tan 1'x1' Ceramic Tile – Grey	2000 SF
136B-060724-FR	Tobby's – Main Room	Mudset Associated. Tan 1'x1' Ceramic Tile – Grey	2000 SF
137A-060724-FR	Tobby's – Electrical Closest	1'x1' Vinyl Floor Tile - White	64 SF
137B-060724-FR	Tobby's – Electrical Closest	1'x1' Vinyl Floor Tile - White	64 SF
138A-060724-FR	Tobby's – Electrical Closest	Adhesive Associated. White 1'x1' Vinyl Floor Tile - Tan	64 SF
138B-060724-FR	Tobby's – Electrical Closest	Adhesive Associated. White 1'x1' Vinyl Floor Tile - Tan	64 SF
139A-060724-FR	Print Shop – Main Room	Adhesive Associated. Gray Carpet – Light Tan	1200 SF
139B-060724-FR	Print Shop – Main Room	Adhesive Associated. Gray Carpet – Light Tan	1200 SF
140A-060724-FR	Print Shop - Bathroom	1'x1' Vinyl Floor Tile - Tan	48 SF
140B-060724-FR	Print Shop - Bathroom	1'x1' Vinyl Floor Tile – Tan	48 SF
141A-060724-FR	Hair Design – Changing Rooms	1'x1' Vinyl Floor Tile - White	84 SF
141B-060724-FR	Hair Design – Changing Rooms	1'x1' Vinyl Floor Tile – White	84 SF
142A-060724-FR	Hair Design – Backroom	1'x1' Ceramic Floor Tile – Grey/Black Marble	125 SF
142B-060724-FR	Hair Design – Bathroom	1'x1' Ceramic Floor Tile – Grey/Black Marble	125 SF
143A-060724-FR	Hair Design – Backroom	Grout Associated. Grey/Black Marble 1'x1' Ceramic Floor Tile – Dark Grey	125 SF
143B-060724-FR	Hair Design – Bathroom	Grout Associated. Grey/Black Marble 1'x1' Ceramic Floor Tile – Dark Grey	125 SF
144A-060724-FR	Hair Design – Backroom	Mudset Associated. Grey/Black Marble 1'x1' Ceramic Floor Tile – Tan	125 SF
144B-060724-FR	Hair Design – Bathroom	Mudset Associated. Grey/Black Marble 1'x1' Ceramic Floor Tile – Tan	125 SF
145A-060724-FR	Bank – Main Room - D Wall	½" Drywall - White	22000 SF
145B-060724-FR	Bank – Main Room - C Wall	½" Drywall - White	22000 SF
145C-060724-FR	Tobby's – Electrical Room - B Wall	½" Drywall - White	22000 SF
145D-060724-FR	Print Shop – Main Room - C Wall	½" Drywall - White	22000 SF
145E-060724-FR	Print Shop – Main Room - C Wall	½" Drywall - White	22000 SF
145F-060724-FR	Hair Design – Backroom – D Wall	½" Drywall - White	22000 SF
145G-060724-FR	Hair Design – Main Room – D Wall	½" Drywall - White	22000 SF
146A-060724-FR	Bank – Main Room - D Wall	Tape & Joint Compound - White	22000 SF
146B-060724-FR	Bank – Main Room - C Wall	Tape & Joint Compound - White	22000 SF
146C-060724-FR	Tobby's – Electrical Room - B Wall	Tape & Joint Compound - White	22000 SF
146D-060724-FR	Print Shop – Main Room - C Wall	Tape & Joint Compound - White	22000 SF
146E-060724-FR	Print Shop – Main Room - C Wall	Tape & Joint Compound - White	22000 SF
146F-060724-FR	Hair Design – Backroom – D Wall	Tape & Joint Compound - White	22000 SF
146G-060724-FR	Hair Design – Main Room – D Wall	Tape & Joint Compound - White	22000 SF

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147A-060724-FR	Bank – Center Support Column	4" Vinyl Cove Base – Dark Blue	200 LF
147B-060724-FR	Bank – Center Support Column	4" Vinyl Cove Base – Dark Blue	200 LF
148A-060724-FR	Bank – Center Support Column	Adhesive Associated. Dark Blue 4" Vinyl Cove Base - Tan	200 LF
148B-060724-FR	Bank – Center Support Column	Adhesive Associated. Dark Blue 4" Vinyl Cove Base - Tan	200 LF
149A-060724-FR	Bank – Main Room	4" Vinyl Cove Base – Blue	200 LF
149B-060724-FR	Bank – Main Room	4" Vinyl Cove Base – Blue	200 LF
150A-060724-FR	Bank – Main Room	Adhesive Associated Blue 4" Vinyl Cove Base - Tan	200 LF
150B-060724-FR	Bank – Main Room	Adhesive Associated. Blue 4" Vinyl Cove Base - Tan	200 LF
151A-060724-FR	Print Shop – Main Room	4" Vinyl Cove Base – Grey	150 LF
151B-060724-FR	Print Shop – Main Room	4" Vinyl Cove Base – Grey	150 LF
152A-060724-FR	Print Shop – Main Room	Adhesive Associated. Grey 4" Vinyl Cove Base – Tan	150 LF
152B-060724-FR	Print Shop – Main Room	Adhesive Associated. Grey 4" Vinyl Cove Base - Tan	150 LF
153A-060724-FR	Print Shop – Main Room	Countertop/Adhesive – Faux Marble Look Tan	25 SF
153B-060724-FR	Print Shop – Main Room	Countertop/Adhesive – Faux Marble Look Tan	25 SF
154A-060724-FR	Print Shop – Main Room	Countertop/Adhesive – Blue/Yellow	20 SF
154B-060724-FR	Print Shop – Main Room	Countertop/Adhesive – Blue/Yellow	20 SF
155A-060724-FR	Print Shop – Main Room	Countertop/Adhesive – Pink/Yellow	10 SF
155B-060724-FR	Print Shop – Main Room	Countertop/Adhesive – Pink/Yellow	10 SF
156A-060724-FR	Tobby's – Men's Bathroom	6"x8" Ceramic Wall Tile - White	200 SF
156B-060724-FR	Tobby's Women's Bathroom	6"x8" Ceramic Wall Tile – White	200 SF
157A-060724-FR	Tobby's – Men's Bathroom	Thinset Associated White 6"x8" Ceramic Wall Tile - White	200 SF
157B-060724-FR	Tobby's Women's Bathroom	Thinset Associated White 6"x8" Ceramic Wall Tile – White	200 SF
158A-060724-FR	Tobby's – Men's Bathroom	Grout Thinset Associated White 6"x8" Ceramic Wall Tile – White	200 SF
158B-060724-FR	Tobby's Women's Bathroom	Grout Thinset Associated White 6"x8" Ceramic Wall Tile - White	200 SF
159A-060724-FR	Tobby's – Bar Wall	Vinyl Backsplash – Stone Tile Look Grey	36 SF
159B-060724-FR	Tobby's – Bar Wall	Vinyl Backsplash – Stone Tile Look Grey	36 SF
160A-060724-FR	Tobby's – Bar Wall	Adhesive Associated. Stone Tile Look Grey Vinyl Backsplash - Yellow	36 SF
160B-060724-FR	Tobby's – Bar Wall	Adhesive Associated. Stone Tile Look Grey Vinyl Backsplash - Yellow	36 SF
161A-060724-FR	Hair Design – Main room	2'x4' Suspended Ceiling Tile – Pinhole & Worm Tracks - White	12000 SF
161B-060724-FR	Bank – Main Room	2'x4' Suspended Ceiling Tile – Pinhole & Worm Tracks - White	12000 SF

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162A-060724-FR	Print Shop – Main Room – Mirror	Glue Daubs - Tan	30 SF
162B-060724-FR	Print Shop – Main Room - Mirror	Glue Daubs - Tan	30 SF
163A-060724-FR	Print Shop - Backroom	Mudded Fitting - Grey	12 EA
163B-060724-FR	Print Shop - Backroom	Mudded Fitting - Grey	12 EA
163C-060724-FR	Print Shop - Backroom	Mudded Fitting - Grey	12 EA

Total # of Samples: **360**

Relinquished by	Date/Time	Received by	Date/Time

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056018**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
01A-CC-060724	White ½" Gypsum Wallboard	**None Detected**	**10% Cellulose** **1% Fiber Glass**	**89% Other**	White Fibrous Homogeneous
10056018_0001					Crushed
01B-CC-060724	White ½" Gypsum Wallboard	**None Detected**	**10% Cellulose** **1% Fiber Glass**	**89% Other**	White Fibrous Homogeneous
10056018_0002					Crushed
01C-CC-060724	White ½" Gypsum Wallboard	**None Detected**	**10% Cellulose** **1% Fiber Glass**	**89% Other**	White Fibrous Homogeneous
10056018_0003					Crushed
01D-CC-060724	White ½" Gypsum Wallboard	**None Detected**	**10% Cellulose** **1% Fiber Glass**	**89% Other**	White Fibrous Homogeneous
10056018_0004					Crushed
01E-CC-060724	White ½" Gypsum Wallboard	**None Detected**	**10% Cellulose** **1% Fiber Glass**	**89% Other**	White Fibrous Homogeneous
10056018_0005					Crushed
01F-CC-060724	White ½" Gypsum Wallboard	**None Detected**	**10% Cellulose** **1% Fiber Glass**	**89% Other**	White Fibrous Homogeneous
10056018_0006					Crushed
01G-CC-060724	White ½" Gypsum Wallboard	**None Detected**	**10% Cellulose** **1% Fiber Glass**	**89% Other**	White Fibrous Homogeneous
10056018_0007					Crushed
02A-CC-060724	White Tape and Joint Compound	**None Detected**	**30% Cellulose**	**70% Other**	White Fibrous Homogeneous
10056018_0008					Teased, Crushed

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Charmel Dozier (286)
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

NVLAP LAB CODE 200664-0

Lab ID # 173190

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146 Hartford Road
Manchester, CT 06040

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Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056018**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
02B-CC-060724	White Tape and Joint Compound	**None Detected**	**30% Cellulose**	**70% Other**	White Fibrous Homogeneous
10056018_0009	*composite*				Crushed, Teased
02C-CC-060724	White Tape and Joint Compound	**None Detected**	**30% Cellulose**	**70% Other**	White Fibrous Homogeneous
10056018_0010	*composite*				Crushed, Teased
02D-CC-060724	White Tape and Joint Compound	**None Detected**	**30% Cellulose**	**70% Other**	White Fibrous Homogeneous
10056018_0011	*composite*				Crushed, Teased
02E-CC-060724	White Tape and Joint Compound	**2% Chrysotile**	**30% Cellulose**	**68% Other**	White Fibrous Homogeneous
10056018_0012	*composite*				Crushed, Teased
02F-CC-060724	White Tape and Joint Compound	**Not Analyzed**			
10056018_0013	*composite*				
02G-CC-060724	White Tape and Joint Compound	**Not Analyzed**			
10056018_0014	*composite*				
03A-CC-060724	Original Black Mastic Assc. With 9"x9" Tan Vinyl Floor Tile on Concrete	**4% Chrysotile**		**96% Other**	Black Non-Fibrous Homogeneous
10056018_0015					Dissolved
03B-CC-060724	Original Black Mastic Assc. With 9"x9" Tan Vinyl Floor Tile on Concrete	**Not Analyzed**			
10056018_0016					

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40 CFR, Part 763, Subpart E, App.E

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Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056018**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
03C-CC-060724	Original Black Mastic Assc. With 2"x2" Gray Ceramic Floor Tile on Concrete	**Not Analyzed**			
10056018_0017					
03D-CC-060724	Original Black Mastic Assc. With 2"x2" Gray Ceramic Floor Tile on Concrete	**Not Analyzed**			
10056018_0018					
03E-CC-060724	Original Black Mastic Assc. With 1'x1' White Sheet Floor on Concrete	**Not Analyzed**			
10056018_0019					
03F-CC-060724	Original Black Mastic Assc. With 1'x1' White Sheet Floor on Concrete	**Not Analyzed**			
10056018_0020					
03G-CC-060724	Original Black Mastic Assc. With 1'x1' Tan Mottled Vinyl Floor Tile on Concrete	**Not Analyzed**			
10056018_0021					
03H-CC-060724	Original Black Mastic Assc. With 1'x1' Tan Mottled Vinyl Floor Tile on Concrete	**Not Analyzed**			
10056018_0022					
03I-CC-060724	Original Black Mastic Assc. With 9"x9" Tan Vinyl Floor Tile on Concrete	**Not Analyzed**			
10056018_0023					
03J-CC-060724	Original Black Mastic Assc. With 9"x9" Tan Vinyl Floor Tile on Concrete	**Not Analyzed**			
10056018_0024					

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056018**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
03K-CC-060724	Original Black Mastic Assc. With 1'x1' White Vinyl Floor Tile on Concrete	**Not Analyzed**			
10056018_0025					
03L-CC-060724	Original Black Mastic Assc. With 1'x1' White Vinyl Floor Tile on Concrete	**Not Analyzed**			
10056018_0026					
03M-CC-060724	Original Black Mastic Assc. With 1'x1' White Vinyl Floor Tile on Concrete	**Not Analyzed**			
10056018_0027					
03N-CC-060724	Original Black Mastic Assc. With 1'x1' White Vinyl Floor Tile on Concrete	**Not Analyzed**			
10056018_0028					
04A-CC-060724	9"x9" Vinyl Floor Tile - Tan	**Not Analyzed**			
10056018_0029					
04B-CC-060724	9"x9" Vinyl Floor Tile - Tan	**Not Analyzed**			
10056018_0030					
05A-CC-060724	1'x1' Ceramic Floor Tile - Khaki	**Not Analyzed**			
10056018_0031					
05B-CC-060724	1'x1' Ceramic Floor Tile - Khaki	**Not Analyzed**			
10056018_0032					

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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

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056018**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
06A-CC-060724	Mud Set Assc. With Khaki 1'x1' Ceramic Floor Tile - Gray	**Not Analyzed**			
10056018_0033					
06B-CC-060724	Mud Set Assc. With Khaki 1'x1' Ceramic Floor Tile - Gray	**Not Analyzed**			
10056018_0034					
07A-CC-060724	Grout Assc With Khaki 1'x1' Ceramic Floor Tile - Red	**Not Analyzed**			
10056018_0035					
07B-CC-060724	Grout Assc With Khaki 1'x1' Ceramic Floor Tile - Red	**Not Analyzed**			
10056018_0036					
08A-CC-060724	1'x1' Viny l Floor Tile over 9"x9" Floor Tile -Grey	**Not Analyzed**			
10056018_0037					
08B-CC-060724	1'x1' Viny l Floor Tile over 9"x9" Floor Tile -Grey	**Not Analyzed**			
10056018_0038					
09A-CC-060724	Adhesive Assc. With Grey 1'x1' Vinyl Floor Tile over 9"x9" Floor Tile - Yellow	**Not Analyzed**			
10056018_0039					
09B-CC-060724	Adhesive Assc. With Grey 1'x1' Vinyl Floor Tile over 9"x9" Floor Tile - Yellow	**Not Analyzed**			
10056018_0040					

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Charmel Dozier (286)
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

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056018**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
10A-CC-060724	1"x1" Tile on Center Drain - Green	**Not Analyzed**			
10056018_0041					
10B-CC-060724	1"x1" Tile on Center Drain - Green	**Not Analyzed**			
10056018_0042					
11A-CC-060724	Grout & Thinset Assc. With Green 1"x1" Tile on Center Drain - White	**Not Analyzed**			
10056018_0043					
11B-CC-060724	Grout & Thinset Assc. With Green 1"x1" Tile on Center Drain - White	**Not Analyzed**			
10056018_0044					
12A-CC-060724	Grout Assc. With 2'x2' Bathroom Floor Tile - Grey	**Not Analyzed**			
10056018_0045					
12B-CC-060724	Grout Assc. With 2'x2' Bathroom Floor Tile - Grey	**Not Analyzed**			
10056018_0046					
13A-CC-060724	1'x1' Brick Floor Tile - Tan	**Not Analyzed**			
10056018_0047					
13B-CC-060724	1'x1' Brick Floor Tile - Tan	**Not Analyzed**			
10056018_0048					

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
14A-CC-060724	Grout Assc. With Tan 1'x1' Brick Floor Tile - Grey	**Not Analyzed**			
10056018_0049					
14B-CC-060724	Grout Assc. With Tan 1'x1' Brick Floor Tile - Grey	**Not Analyzed**			
10056018_0050					
15A-CC-060724	Thin set Assc. With Tan 1'x1' Brick Floor Tile - White	**Not Analyzed**			
10056018_0051					
15B-CC-060724	Thin set Assc. With Tan 1'x1' Brick Floor Tile - White	**Not Analyzed**			
10056018_0052					
16A-CC-060724	2'x2' Sheet Floor Tiles - Tan	**Not Analyzed**			
10056018_0053					
16B-CC-060724	2'x2' Sheet Floor Tiles - Tan	**Not Analyzed**			
10056018_0054					
17A-CC-060724	Adhesive Assc. With Tan 2'x2' Sheet Floor - White	**Not Analyzed**			
10056018_0055					
17B-CC-060724	Adhesive Assc. With Tan 2'x2' Sheet Floor - White	**Not Analyzed**			
10056018_0056					

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
18A-CC-060724	Sheet Tile Floor - Blue & White Pattern	**Not Analyzed**			
10056018_0057					
18B-CC-060724	Sheet Tile Floor - Blue & White Pattern	**Not Analyzed**			
10056018_0058					
19A-CC-060724	Adhesive Assc. With Blue & White Pattern Sheet Tile Floor - Yellow	**Not Analyzed**			
10056018_0059					
19B-CC-060724	Adhesive Assc. With Blue & White Pattern Sheet Tile Floor - Yellow	**Not Analyzed**			
10056018_0060					
20-CC-060724		**Not Analyzed**			
10056018_0061					
21A-CC-060724	Adhesive & Mastic Assc. With Red & Blue Carpet - Black	**Not Analyzed**			
10056018_0062					
21B-CC-060724	Adhesive & Mastic Assc. With Red & Blue Carpet - Black	**Not Analyzed**			
10056018_0063					
22A-CC-060724	9"x9" Ceramic Floor Tile - White	**Not Analyzed**			
10056018_0064					

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
22B-CC-060724	9"x9" Ceramic Floor Tile - White	**Not Analyzed**			
10056018_0065					
23A-CC-060724	Grout Assc. With White 9"x9" Ceramic Floor Tile - Tan	**Not Analyzed**			
10056018_0066					
23B-CC-060724	Grout Assc. With White 9"x9" Ceramic Floor Tile - Tan	**Not Analyzed**			
10056018_0067					
24A-CC-060724	Thinset Assc. With White 9"x9" Ceramic Floor Tile - Grey	**Not Analyzed**			
10056018_0068					
24B-CC-060724	Thinset Assc. With White 9"x9" Ceramic Floor Tile - Grey	**Not Analyzed**			
10056018_0069					
25A-CC-060724	1'x1' Ceramic Floor Tile - Red	**Not Analyzed**			
10056018_0070					
25B-CC-060724	1'x1' Ceramic Floor Tile - Red	**Not Analyzed**			
10056018_0071					
26A-CC-060724	Grout Assc. With Red 1'x1' Ceramic Floor Tile - Gray	**Not Analyzed**			
10056018_0072					

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
26B-CC-060724	Grout Assc. With Red 1'x1' Ceramic Floor Tile - Gray	**Not Analyzed**			
10056018_0073					
27A-CC-060724	Thinset Assc. With Red 1'x1' Ceramic Floor Tile - White	**Not Analyzed**			
10056018_0074					
27B-CC-060724	Thinset Assc. With Red 1'x1' Ceramic Floor Tile - White	**Not Analyzed**			
10056018_0075					
28A-CC-060724	1'x1' Vinyl Floor Tile Over 9"x9" Tiles - Grey	**Not Analyzed**			
10056018_0076					
28B-CC-060724	1'x1' Vinyl Floor Tile Over 9"x9" Tiles - Grey	**Not Analyzed**			
10056018_0077					
29A-CC-060724	1'x1' Mottled Floor Tile - Tan	**Not Analyzed**			
10056018_0078					
29B-CC-060724	1'x1' Mottled Floor Tile - Tan	**Not Analyzed**			
10056018_0079					
30A-CC-060724	Adhesive Assc. Tan 1'x1' Mottled Floor Tile - Tan	**Not Analyzed**			
10056018_0080					

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
30B-CC-060724	Adhesive Assc. Tan 1'x1' Mottled Floor Tile - Tan	**Not Analyzed**			
10056018_0081					
31A-CC-060724	1'x1' Viny l Floor Tile on Cement with Black Mastic - Green	**Not Analyzed**			
10056018_0082					
31B-CC-060724	1'x1' Viny l Floor Tile on Cement with Black Mastic - Green	**Not Analyzed**			
10056018_0083					
32A-CC-060724	1'x1' Ceramic Floor Tile - Tan	**Not Analyzed**			
10056018_0084					
32B-CC-060724	1'x1' Ceramic Floor Tile - Tan	**Not Analyzed**			
10056018_0085					
33A-CC-060724	Grout & Thinset Assc. With Tan 1'x1' Ceramic Floor Tile - Grey	**Not Analyzed**			
10056018_0086					
33B-CC-060724	Grout & Thinset Assc. With Tan 1'x1' Ceramic Floor Tile - Grey	**Not Analyzed**			
10056018_0087					
34A-CC-060724	1'x1' Vinyl Floor Tile - Flower Design	**Not Analyzed**			
10056018_0088					

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
34B-CC-060724	1'x1' Vinyl Floor Tile on Cement with Black Mastic - Flower Design	**Not Analyzed**			
10056018_0089					
35A-CC-060724	2'x2' Vinyl Sheet Floor on Cement with Black Mastic - Brown Marble	**Not Analyzed**			
10056018_0090					
35B-CC-060724	2'x2' Vinyl Sheet Floor - Brown Marble	**Not Analyzed**			
10056018_0091					
36A-CC-060724	Adhesive Assc. With Brown Marble 2'x2' Vinyl Sheet Floor - Clear	**Not Analyzed**			
10056018_0092					
36B-CC-060724	Adhesive Assc. With Brown Marble 2'x2' Vinyl Sheet Floor - Clear	**Not Analyzed**			
10056018_0093					
37A-CC-060724	Adhesive assc. With Black 2'x2' Carpet Square - White	**Not Analyzed**			
10056018_0094					
37B-CC-060724	Adhesive assc. With Black 2'x2' Carpet Square - White	**Not Analyzed**			
10056018_0095					
38-CC-060724		**Not Analyzed**			
10056018_0096					

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
39A-CC-060724	1'x1' Sheet Tile - Brown Pattern	**Not Analyzed**			
10056018_0097					
39B-CC-060724	1'x1' Sheet Tile - Brown Pattern	**Not Analyzed**			
10056018_0098					
40A-CC-060724	Adhesive Assc. With Brown Pattern 1'x1' Sheet Tile	**Not Analyzed**			
10056018_0099					
40B-CC-060724	Adhesive Assc. With Brown Pattern 1'x1' Sheet Tile	**Not Analyzed**			
10056018_0100					
41A-CC-060724	6"x6" Ceramic Floor Tile - Red	**Not Analyzed**			
10056018_0101					
41B-CC-060724	6"x6" Ceramic Floor Tile - Red	**Not Analyzed**			
10056018_0102					
42A-CC-060724	Thinset Assc. With Red 6"x6" Ceramic Floor Tile - White	**Not Analyzed**			
10056018_0103					
42B-CC-060724	Thinset Assc. With Red 6"x6" Ceramic Floor Tile - White	**Not Analyzed**			
10056018_0104					

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
43A-CC-060724	Grout Assc. With Red 6"x6" Ceramic Floor Tile - Grey	**Not Analyzed**			
10056018_0105					
43B-CC-060724	Grout Assc. With Red 6"x6" Ceramic Floor Tile - Grey	**Not Analyzed**			
10056018_0106					
44A-CC-060724	9"x9" Vinyl Floor Tile Under 1'x1' Grey Tile - Tan	**Not Analyzed**			
10056018_0107					
44B-CC-060724	9"x9" Vinyl Floor Tile Under 1'x1' Grey Tile - Tan	**Not Analyzed**			
10056018_0108					
45A-CC-060724	2'x2' Ceramic Floor Tile - White/Grey	**Not Analyzed**			
10056018_0109					
45B-CC-060724	2'x2' Ceramic Floor Tile - White/Grey	**Not Analyzed**			
10056018_0110					
46A-CC-060724	Thinset Assc. White/Grey 2'x2' Ceramic Floor Tile - Grey	**Not Analyzed**			
10056018_0111					
46B-CC-060724	Thinset Assc. White/Grey 2'x2' Ceramic Floor Tile - Grey	**Not Analyzed**			
10056018_0112					

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
47A-CC-060724	1'x1' Sheet Floor - White	**Not Analyzed**			
10056018_0113					
47B-CC-060724	1'x1' Sheet Floor - White	**Not Analyzed**			
10056018_0114					
48A-CC-060724	1'x1' Mottled Vinyl Floor Tile - Tan	**Not Analyzed**			
10056018_0115					
48B-CC-060724	1'x1' Mottled Vinyl Floor Tile - Tan	**Not Analyzed**			
10056018_0116					
49A-CC-060724	9"x9" Vinyl Floor Tile - White	**Not Analyzed**			
10056018_0117					
49B-CC-060724	9"x9" Vinyl Floor Tile - White	**Not Analyzed**			
10056018_0118					
50A-CC-060724	1'x1' Vinyl Floor Tile - White	**Not Analyzed**			
10056018_0119					
50B-CC-060724	1'x1' Vinyl Floor Tile - White	**Not Analyzed**			
10056018_0120					

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
51A-CC-060724	1'x1" Vinyl Floor Tile Under Sheet Floor - Tan	**Not Analyzed**			
10056018_0121					
51B-CC-060724	1'x1" Vinyl Floor Tile Under Sheet Floor - Tan	**Not Analyzed**			
10056018_0122					
52A-CC-060724	1'x1" Vinyl Floor Tile Under Sheet Floor - Tan	**Not Analyzed**			
10056018_0123					
52B-CC-060724	1'x1" Vinyl Floor Tile Under Sheet Floor - Tan	**Not Analyzed**			
10056018_0124					
53-CC-060724		**Not Analyzed**			
10056018_0125					
54A-CC-060724	Popcorn Ceiling Texture-White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0126					Crushed
54B-CC-060724	Popcorn Ceiling Texture-White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0127					Crushed
54C-CC-060724	Popcorn Ceiling Texture-White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0128					Crushed

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Lab Order ID: **10056018**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
55A-CC-060724	Ceiling Tape & Joint Compound associated with Gypsum Wallboard- White	None Detected	30% Cellulose	70% Other	White Fibrous Homogeneous
10056018_0129	*composite*				Crushed, Teased
55B-CC-060724	Ceiling Tape & Joint Compound associated with Gypsum Wallboard- White	None Detected	30% Cellulose	70% Other	White Fibrous Homogeneous
10056018_0130	*composite*				Crushed, Teased
55C-CC-060724	Ceiling Tape & Joint Compound associated with Gypsum Wallboard- White	None Detected	30% Cellulose	70% Other	White Fibrous Homogeneous
10056018_0131	*composite*				Teased, Crushed
56A-CC-060724	Ceiling Gypsum Drywall ½" - White	None Detected	10% Cellulose 1% Fiber Glass	89% Other	White Fibrous Homogeneous
10056018_0132					Crushed
56B-CC-060724	Ceiling Gypsum Drywall ½" - White	None Detected	10% Cellulose 1% Fiber Glass	89% Other	White Fibrous Homogeneous
10056018_0133					Crushed
56C-CC-060724	Ceiling Gypsum Drywall ½" - White	None Detected	10% Cellulose 1% Fiber Glass	89% Other	White Fibrous Homogeneous
10056018_0134					Crushed
57A-CC-060724	2'x2' Suspended Ceiling Tile - Pin & Worm Hole - White	None Detected	35% Cellulose 35% Mineral Wool	30% Other	White Fibrous Homogeneous
10056018_0135					Teased
57B-CC-060724	2'x2' Suspended Ceiling Tile - Pin & Worm Hole - White	None Detected	35% Cellulose 35% Mineral Wool	30% Other	White Fibrous Homogeneous
10056018_0136					Teased

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Charmel Dozier (286)
Analyst

Nathaniel Durham
Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056018**
Analysis: PLM
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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
58A-CC-060724	2'x2' Suspended Ceiling Tile - Pin & Worm Hole - White	**None Detected**	**40% Mineral Wool** **30% Cellulose**	**30% Other**	White Fibrous Homogeneous
10056018_0137					Teased
58B-CC-060724	2'x2' Suspended Ceiling Tile - Pin & Worm Hole - White	**None Detected**	**40% Mineral Wool** **30% Cellulose**	**30% Other**	White Fibrous Homogeneous
10056018_0138					Teased
59A-CC-060724	2'x2' Suspended Ceiling Tile - Pin & Worm Hole - White	**None Detected**	**40% Mineral Wool** **30% Cellulose**	**30% Other**	White Fibrous Homogeneous
10056018_0139					Teased
59B-CC-060724	2'x2' Suspended Ceiling Tile - Pin & Worm Hole - White	**None Detected**	**40% Mineral Wool** **30% Cellulose**	**30% Other**	White Fibrous Homogeneous
10056018_0140					Teased
59C-CC-060724	2'x2' Suspended Ceiling Tile - Pin & Worm Hole - White	**None Detected**	**40% Mineral Wool** **30% Cellulose**	**30% Other**	White Fibrous Homogeneous
10056018_0141					Teased
59D-CC-060724	2'x2' Suspended Ceiling Tile - Pin & Worm Hole - White	**None Detected**	**40% Mineral Wool** **30% Cellulose**	**30% Other**	White Fibrous Homogeneous
10056018_0142					Teased
60, 61, 62-CC-060724		**Not Submitted**			
10056018_0143	*sample numbers not used*				
63A-CC-060724	2'x4' Suspended Ceiling Tile - Spong Pattern - Black	**None Detected**	**80% Cellulose**	**20% Other**	Black Fibrous Homogeneous
10056018_0144					Teased

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
63B-CC-060724	2'x4' Suspended Ceiling Tile - Spong Pattern - Black	**None Detected**	**80% Cellulose**	**20% Other**	Black Fibrous Homogeneous
10056018_0145					Teased
64A-CC-060724	2'x4' Suspended Ceiling Tile - Flat - Black	**None Detected**	**90% Cellulose**	**10% Other**	Black Fibrous Homogeneous
10056018_0146					Teased
64B-CC-060724	2'x4' Suspended Ceiling Tile - Flat - Black	**None Detected**	**90% Cellulose**	**10% Other**	Black Fibrous Homogeneous
10056018_0147					Teased
65A-CC-060724	4" Vinyl Cove Base - Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056018_0148					Ashed
65B-CC-060724	4" Vinyl Cove Base - Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056018_0149					Ashed
66A-CC-060724	Adhesive Assc. With Grey 4" Vinyl Cove Base -White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0150					Dissolved
66B-CC-060724	Adhesive Assc. With Grey 4" Vinyl Cove Base -White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0151					Dissolved
67A-CC-060724	4" Vinyl Cove Base - Black	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10056018_0152					Ashed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
67B-CC-060724	4" Vinyl Cove Base - Black	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10056018_0153					Ashed
68A-CC-060724	Adhesive Assc. With Black 4" Vinyl Cove Base - Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056018_0154					Dissolved
68B-CC-060724	Adhesive Assc. With Black 4" Vinyl Cove Base - Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056018_0155					Dissolved
69-CC-060724		**Not Submitted**			
10056018_0156	*sample number not used*				
70A-CC-060724	Adhesive Assc. With Dark Blue 4" Carpet Cove Base - Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056018_0157					Dissolved
70B-CC-060724	Adhesive Assc. With Dark Blue 4" Carpet Cove Base - Yellow	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056018_0158					Dissolved
71A-CC-060724	4" Vinyl Cove Base - Black	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10056018_0159					Ashed
71B-CC-060724	4" Vinyl Cove Base - Black	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10056018_0160					Ashed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
72A-CC-060724	Adhesive Assc. With Black Vinyl Cove Base - Brown	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056018_0161					Dissolved
72B-CC-060724	Adhesive Assc. With Black Vinyl Cove Base - Brown	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056018_0162					Dissolved
73A-CC-060724	4" Vinyl Cove Base - Purple	**None Detected**		**100% Other**	Purple Non-Fibrous Homogeneous
10056018_0163					Dissolved
73B-CC-060724	4" Vinyl Cove Base - Purple	**None Detected**		**100% Other**	Purple Non-Fibrous Homogeneous
10056018_0164					Dissolved
74A-CC-060724	Adhesive Assc. With Purple Vinyl Cove Base - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0165					Dissolved
74B-CC-060724	Adhesive Assc. With Purple Vinyl Cove Base - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0166					Dissolved
75A-CC-060724	4" Vinyl Cove Base - Pink	**None Detected**		**100% Other**	Pink Non-Fibrous Homogeneous
10056018_0167					Dissolved
75B-CC-060724	4" Vinyl Cove Base - Pink	**None Detected**		**100% Other**	Pink Non-Fibrous Homogeneous
10056018_0168					Dissolved

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
76A-CC-060724	Adhesive Assc. With Pink 4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0169					Dissolved
76B-CC-060724	Adhesive Assc. With Pink 4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0170					Dissolved
77A-CC-060724	4" Vinyl Cove Base - Light Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0171					Dissolved
77B-CC-060724	4" Vinyl Cove Base - Light Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0172					Dissolved
78A-CC-060724	Adhesive Assc. With Light Tan Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0173					Dissolved
78B-CC-060724	Adhesive Assc. With Light Tan Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0174					Dissolved
79A-CC-060724	4" Vinyl Cove Base - Green Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056018_0175					Dissolved
79B-CC-060724	4" Vinyl Cove Base - Green Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056018_0176					Dissolved

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
80A-CC-060724	Adhesive Assc. With Green Grey Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0177					Dissolved
80B-CC-060724	Adhesive Assc. With Green Grey Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0178					Dissolved
81A-CC-060724	4" Vinyl Cove Base - Brown	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056018_0179					Dissolved
81B-CC-060724	4" Vinyl Cove Base - Brown	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056018_0180					Dissolved
82A-CC-060724	Adhesive Assc. With Light Tan Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0181					Dissolved
82B-CC-060724	Adhesive Assc. With Light Tan Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0182					Dissolved
83A-CC-060724	4" Ceramic Cove Base - Light Blue	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056018_0183					Crushed
83B-CC-060724	4" Ceramic Cove Base - Light Blue	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10056018_0184					Crushed

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
84A-CC-060724	Adhesive Assc. With Light Blue Vinyl Cove Base-Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0185					Dissolved
84B-CC-060724	Adhesive Assc. With Light Blue Vinyl Cove Base-Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0186					Dissolved
85A-CC-060724	4" Vinyl Cove Base - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0187					Dissolved
85B-CC-060724	4" Vinyl Cove Base - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0188					Dissolved
86A-CC-060724	Adhesive Assc. With White 4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0189					Dissolved
86B-CC-060724	Adhesive Assc. With White 4" Vinyl Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0190					Dissolved
87A-CC-060724	4" Vinyl Cove Base - Black	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10056018_0191					Dissolved
87B-CC-060724	4" Vinyl Cove Base - Black	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10056018_0192					Dissolved

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88A-CC-060724	Adhesive Assc. With Black Vinyl Cove Base - Brown	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056018_0193					Dissolved
88B-CC-060724	Adhesive Assc. With Black Vinyl Cove Base - Brown	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056018_0194					Dissolved
89A-CC-060724	4" Vinyl Cove Base - Dark Brown	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056018_0195					Dissolved
89B-CC-060724	4" Vinyl Cove Base - Dark Brown	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056018_0196					Dissolved
90A-CC-060724	Adhesive Assc. With Black Vinyl Cove Base - Brown	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056018_0197					Dissolved
90B-CC-060724	Adhesive Assc. With Black Vinyl Cove Base - Brown	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056018_0198					Dissolved
91A-CC-060724	6"x6" Ceramic Tile Cove Base - Red	**None Detected**		**100% Other**	Red Non-Fibrous Homogeneous
10056018_0199					Crushed
91B-CC-060724	6"x6" Ceramic Tile Cove Base - Red	**None Detected**		**100% Other**	Red Non-Fibrous Homogeneous
10056018_0200					Crushed

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92A-CC-060724	Grout Assc. with Red Ceramic Tile Cove Base - Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056018_0201					Crushed
92B-CC-060724	Grout Assc. with Red Ceramic Tile Cove Base - Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056018_0202					Crushed
93A-CC-060724	Thinset Assc. with Red Ceramic Tile Cove Base-White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0203					Crushed
93B-CC-060724	Thinset Assc. with Red Ceramic Tile Cove Base-White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0204					Crushed
94A-CC-060724	6"x6" Ceramic Tile Cove Base - Brown	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056018_0205					Crushed
94B-CC-060724	6"x6" Ceramic Tile Cove Base - Brown	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10056018_0206					Crushed
95A-CC-060724	Grout Assc. with Brown 6"x6" Ceramic Tile Cove Base - Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056018_0207					Crushed
95B-CC-060724	Grout Assc. with Brown Ceramic Tile Cove Base - Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056018_0208					Crushed

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Charmel Dozier (286)
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

NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: Fuss & O'Neill, Inc
146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056018**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
96A-CC-060724	Adhesive Assc. with Red Ceramic Tile Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0209					Dissolved
96B-CC-060724	Adhesive Assc. with Red Ceramic Tile Cove Base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0210					Dissolved
97A-CC-060724	4" Vinyl Cove base - Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056018_0211					Dissolved
97B-CC-060724	4" Vinyl Cove base - Grey	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10056018_0212					Dissolved
98A-CC-060724	Adhesive Assc. With Grey 4" Vinyl Cove base - Grey	**None Detected**		**100% Other**	White, Brown Non-Fibrous Homogeneous
10056018_0213					Dissolved
98B-CC-060724	Adhesive Assc. With Grey 4" Vinyl Cove base - Grey	**None Detected**		**100% Other**	White, Brown Non-Fibrous Homogeneous
10056018_0214					Dissolved
99A-CC-060724	4" Vinyl Cove base - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0215					Dissolved
99B-CC-060724	4" Vinyl Cove base - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0216					Dissolved

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
100A-CC-060724	Adhesive Assc. With Grey 4" Vinyl Cove base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0217					Dissolved
100B-CC-060724	Adhesive Assc. With Grey 4" Vinyl Cove base - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0218					Dissolved
101A-CC-060724	5"x5" Ceramic Wall Tile - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0219					Crushed
101B-CC-060724	5"x5" Ceramic Wall Tile - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0220					Crushed
102A-CC-060724	Grout Assc. With White Ceramic Wall Tile - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0221					Crushed
102B-CC-060724	Grout Assc. With White Ceramic Wall Tile - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0222					Crushed
103A-CC-060724	Thinset Assc. With White Ceramic Wall Tile - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0223					Dissolved
103B-CC-060724	Thinset Assc. With White Ceramic Wall Tile - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0224					Dissolved

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Analyst

Nathaniel Durham
Approved Signatory

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
104A-CC-060724	Wallpaper - Khaki with Gold Specs	**None Detected**		**100% Other**	Gold, Tan Non-Fibrous Homogeneous
10056018_0225					Dissolved
104B-CC-060724	Wallpaper - Khaki with Gold Specs	**None Detected**		**100% Other**	Beige, Gold Non-Fibrous Homogeneous
10056018_0226					Dissolved
105A-CC-060724	Adhesive Assc. with Khaki with Gold Specs Wallpaper - Orange	**None Detected**		**100% Other**	Orange Non-Fibrous Homogeneous
10056018_0227					Dissolved
105B-CC-060724	Adhesive Assc. with Khaki with Gold Specs Wallpaper - Orange	**None Detected**		**100% Other**	Orange Non-Fibrous Homogeneous
10056018_0228					Dissolved
106A-CC-060724	Vinyl Sheet - Stone Pattern	**None Detected**	**30% Cellulose**	**70% Other**	Cream, Brown Fibrous Homogeneous
10056018_0229					Teased, Dissolved
106B-CC-060724	Vinyl Sheet - Stone Pattern	**None Detected**	**30% Cellulose**	**70% Other**	Cream, Brown Fibrous Homogeneous
10056018_0230					Dissolved, Teased
107A-CC-060724	Adhesive Assc. With Stone Patter Vinyl Sheet - Clear	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056018_0231					Dissolved
107B-CC-060724	Adhesive Assc. With Stone Patter Vinyl Sheet - Clear	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10056018_0232					Dissolved

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Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
108A-CC-060724	Textured Wall Coat - Wave - White	None Detected	5% Wollastonite	95% Other	White Non-Fibrous Homogeneous
10056018_0233					Crushed
108B-CC-060724	Textured Wall Coat - Wave - White	None Detected	5% Wollastonite	95% Other	White Non-Fibrous Homogeneous
10056018_0234					Crushed
108C-CC-060724	Textured Wall Coat - Wave - White	None Detected	5% Wollastonite	95% Other	White Non-Fibrous Homogeneous
10056018_0235					Crushed
109A-CC-060724	Wallpaper - Off-White	None Detected	40% Cellulose	60% Other	White Fibrous Homogeneous
10056018_0236					Ashed
109B-CC-060724	Wallpaper - Off-White	None Detected	40% Cellulose	60% Other	White Fibrous Homogeneous
10056018_0237					Ashed
110A-CC-060724	Adhesive Assc. With Off-White Wall paper - Grey	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10056018_0238					Dissolved
110B-CC-060724	Adhesive Assc. With Off-White Wall paper - Grey	None Detected		100% Other	Gray Non-Fibrous Homogeneous
10056018_0239					Dissolved
111A-CC-060724	Wallpaper - Cracked - White	None Detected	40% Cellulose	60% Other	White Fibrous Homogeneous
10056018_0240					Ashed

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111B-CC-060724	Wallpaper - Cracked - White	**None Detected**	**40% Cellulose**	**60% Other**	White Fibrous Homogeneous
10056018_0241					Ashed
112A-CC-060724	Adhesive Assc. With Cracked White Wallpaper - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0242					Dissolved
112B-CC-060724	Adhesive Assc. With Cracked White Wallpaper - White	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10056018_0243					Dissolved
113A-CC-060724	Laminate Countertop/Adhesive - White/Yellow	**None Detected**		**100% Other**	White, Yellow Non-Fibrous Homogeneous
10056018_0244					Dissolved
113B-CC-060724	Laminate Countertop/Adhesive - White/Yellow	**None Detected**		**100% Other**	White, Yellow Non-Fibrous Homogeneous
10056018_0245					Dissolved
114A-CC-060724	Laminate Countertop/Adhesive - Red/Yellow	**None Detected**	**50% Cellulose**	**50% Other**	Yellow, Red Non-Fibrous Homogeneous
10056018_0246					Ashed
114B-CC-060724	Laminate Countertop/Adhesive - Red/Yellow	**None Detected**	**50% Cellulose**	**50% Other**	Red, Yellow Non-Fibrous Homogeneous
10056018_0247					Ashed
115A-CC-060724	Laminate Countertop/Adhesive - Black/Yellow	**None Detected**	**50% Cellulose**	**50% Other**	Black, Yellow Non-Fibrous Homogeneous
10056018_0248					Ashed

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115B-CC-060724	Laminate Countertop/Adhesive - Black/Yellow	**None Detected**	**50% Cellulose**	**50% Other**	Black, Yellow Non-Fibrous Homogeneous
10056018_0249					Ashed
116A-CC-060724	Laminate Countertop/Adhesive - Wood Pattern/Yellow	**None Detected**	**35% Cellulose**	**65% Other**	Brown, Yellow Non-Fibrous Homogeneous
10056018_0250					Ashed
116B-CC-060724	Laminate Countertop/Adhesive - Wood Pattern/Yellow	**None Detected**	**35% Cellulose**	**65% Other**	Yellow, Brown Non-Fibrous Homogeneous
10056018_0251					Ashed
117A-CC-060724	Laminate Countertop/Adhesive - Grey/Yellow	**None Detected**	**35% Cellulose**	**65% Other**	Yellow, Gray Non-Fibrous Homogeneous
10056018_0252					Ashed
117B-CC-060724	Laminate Countertop/Adhesive - Grey/Yellow	**None Detected**	**35% Cellulose**	**65% Other**	Gray, Yellow Non-Fibrous Homogeneous
10056018_0253					Ashed
118A-CC-060724	Laminate Countertop/Adhesive - Dark Pink Marble/Yellow	**None Detected**	**50% Cellulose**	**50% Other**	Yellow, Pink Non-Fibrous Homogeneous
10056018_0254					Ashed
118B-CC-060724	Laminate Countertop/Adhesive - Dark Pink Marble/Yellow	**None Detected**	**50% Cellulose**	**50% Other**	Yellow, Pink Non-Fibrous Homogeneous
10056018_0255					Ashed
119A-CC-060724	Laminate Countertop/Adhesive - White Marble/White	**None Detected**	**50% Cellulose**	**50% Other**	White Non-Fibrous Homogeneous
10056018_0256					Ashed

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Charmel Dozier (286)
Analyst

Nathaniel Durham
Approved Signatory

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NVLAP LAB CODE 200664-0

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119B-CC-060724	Laminate Countertop/Adhesive - White Marble/White	None Detected	50% Cellulose	50% Other	White Non-Fibrous Homogeneous
10056018_0257					Ashed
120A-CC-060724	Laminate Countertop/ Adhesive - Pink Marble/Red	None Detected	50% Cellulose	50% Other	Red, Pink Non-Fibrous Homogeneous
10056018_0258					Ashed
120B-CC-060724	Laminate Countertop/ Adhesive - Pink Marble/Red	None Detected	50% Cellulose	50% Other	Red, Pink Non-Fibrous Homogeneous
10056018_0259					Ashed
121A-CC-060724	Laminate Countertop/Adhesive - Tan/White	None Detected	50% Cellulose	50% Other	White, Tan Non-Fibrous Homogeneous
10056018_0260					Ashed
121B-CC-060724	Laminate Countertop/Adhesive - Tan/White	None Detected	50% Cellulose	50% Other	Tan, White Non-Fibrous Homogeneous
10056018_0261					Ashed
122A-CC-060724	Laminate Countertop/Adhesive - Green/Yellow	None Detected	50% Cellulose	50% Other	Yellow, Green Non-Fibrous Homogeneous
10056018_0262					Ashed
122B-CC-060724	Laminate Countertop/Adhesive - Green/Yellow	None Detected	50% Cellulose	50% Other	Yellow, Green Non-Fibrous Homogeneous
10056018_0263					Ashed
123A-CC-060724	Laminate Countertop/Adhesive - Marble Tan/Yellow	None Detected	50% Cellulose	50% Other	Yellow, Tan Non-Fibrous Homogeneous
10056018_0264					Ashed

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123B-CC-060724	Laminate Countertop/Adhesive - Marble Tan/Yellow	**None Detected**	**50% Cellulose**	**50% Other**	Tan, Yellow Non-Fibrous Homogeneous
10056018_0265					Ashed
124A-CC-060724	Laminate Countertop/Adhesive - Wood Grain/Yellow	**None Detected**	**50% Cellulose**	**50% Other**	Yellow, Red Non-Fibrous Homogeneous
10056018_0266					Ashed
124B-CC-060724	Laminate Countertop/Adhesive - Wood Grain/Yellow	**None Detected**	**50% Cellulose**	**50% Other**	Red, Yellow Non-Fibrous Homogeneous
10056018_0267					Ashed
125A-CC-060724	Laminate Countertop/Adhesive - White Thin Wood Grain/Yellow	**None Detected**	**50% Cellulose**	**50% Other**	Yellow, Brown Non-Fibrous Homogeneous
10056018_0268					Ashed
125B-CC-060724	Laminate Countertop/Adhesive - White Thin Wood Grain/Yellow	**None Detected**	**50% Cellulose**	**50% Other**	Yellow, Brown Non-Fibrous Homogeneous
10056018_0269					Ashed
126A-CC-060724	Laminate Countertop/Adhesive - White Thick Wood Grain/Clear	**None Detected**	**50% Cellulose**	**50% Other**	Transparent, White Non-Fibrous Homogeneous
10056018_0270					Ashed
126B-CC-060724	Laminate Countertop With Adhes ive - White Thick Wood Grain/Clear	**None Detected**	**50% Cellulose**	**50% Other**	Transparent, White Non-Fibrous Homogeneous
10056018_0271					Ashed
127A-CC-060724	Laminate Countertop/Adhesive - White/Red	**None Detected**	**50% Cellulose**	**50% Other**	White, Red Non-Fibrous Homogeneous
10056018_0272					Ashed

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127B-CC-060724	Laminate Countertop/Adhesive - White/Red	None Detected	50% Cellulose	50% Other	Red, White Non-Fibrous Homogeneous
10056018_0273					Ashed
128A-CC-060724	Laminate Countertop/ Adhesive - Red/Yellow	None Detected	50% Cellulose	50% Other	Yellow, Red Non-Fibrous Homogeneous
10056018_0274					Ashed
128B-CC-060724	Laminate Countertop/ Adhesive - Red/Yellow	None Detected	50% Cellulose	50% Other	Yellow, Red Non-Fibrous Homogeneous
10056018_0275					Ashed
129A-CC-060724	Mudded Fitting - Grey	None Detected	80% Mineral Wool	20% Other	Gray Fibrous Homogeneous
10056018_0276					Teased
129B-CC-060724	Mudded Fitting - Grey	None Detected	80% Mineral Wool	20% Other	Gray Fibrous Homogeneous
10056018_0277					Teased
129C-CC-060724	Mudded Fitting - Grey	None Detected	80% Mineral Wool	20% Other	Gray Fibrous Homogeneous
10056018_0278					Teased
130A-CC-060724	Fiber Glass Insulation Foil Paperback	None Detected	50% Cellulose 10% Fiber Glass	40% Other	Tan, Silver Fibrous Homogeneous
10056018_0279					Ashed
130B-CC-060724	Fiber Glass Insulation Foil Paperback	None Detected	50% Cellulose 10% Fiber Glass	40% Other	Silver, Tan Fibrous Homogeneous
10056018_0280					Ashed

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146 Hartford Road
Manchester, CT 06040

Attn: Carlos Texidor

Project: Silver Lane Plaza/20230389.A11

Lab Order ID: **10056018**
Analysis: PLM
Date Received: 07/03/2024
Date Reported: 07/12/2024

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
131A-CC-060724	Fiberboard - Tile Look - White	**None Detected**	**95% Cellulose**	**5% Other**	White Fibrous Homogeneous
10056018_0281					Teased
131B-CC-060724	Fiberboard - Tile Look - White	**None Detected**	**95% Cellulose**	**5% Other**	White Fibrous Homogeneous
10056018_0282					Teased
132A-CC-060724	Adhesive Assc. With White Tile Look Fiberboard - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0283					Dissolved
132B-CC-060724	Adhesive Assc. With White Tile Look Fiberboard - Tan	**None Detected**		**100% Other**	Tan Non-Fibrous Homogeneous
10056018_0284					Dissolved
133A-CC-060724	Kitchen Sink Undercoat - White	**5% Chrysotile**		**95% Other**	White Non-Fibrous Homogeneous
10056018_0285					Crushed, Dissolved
133B-CC-060724	Kitchen Sink Undercoat - White	**Not Analyzed**			
10056018_0286					

Charmel Dozier (286)
Analyst

Approved Signatory

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Company Contact Information

Company: Fuss & O'Neill, Inc.	Contact: Carlos Texidor
Address: 146 Hartford Road Manchester, CT 06040	Phone ☐: 860-646-2469
	Fax ☐:
	Email ☒: LabResults@fando.com & carlos.texidor@fando.com

Billing/Invoice Information

Company: Fuss & O'Neill, Inc.

Contact: Carlos Texidor

Address: 146 Hartford Road
Manchester, CT 06040

Turn Around Times

90 Min. ☐	48 Hours ☐
3 Hours ☐	72 Hours ☐
6 Hours ☐	96 Hours ☐
12 Hours ☐	120 Hours ☐
24 Hours ☐	7 Days ☒

PO Number: 20230389.A11

Project Name/Number: Silver Lane Plaza/20230389.A11

Special Instructions:
No TEM-NOB Analysis.

If Any Sample in Group 03A-N-CC-060724 is Positive for ACM (> or = 1% Asbestos):
Positive Stop DO NOT TEST Sample Groups 04A-CC-060724 Thru 53B-CC-060724

If all samples in Group 03A-N-CC-060724 are <1% asbestos or ND, please call for additional instructions on analysis of Sample Groups 04A-CC-060724 Thru 53B-CC-060724

Positive Stop for samples of each set.

Asbestos Test Types

PLM EPA 600/R-93/116 (PLM)	☒
Positive stop	☒
PLM Point Count 400 (PT4)	☐
PLM Point Count 1000 (PTM)	☐
PCM NIOSH 7400-A Rules (PCM)	☐
B Rules (PCB) ☐ TWA (PTA) ☐	
TEM AHERA (AHE)	☐
TEM Level II (LII)	☐
TEM NIOSH 7402 (TNI)	☐
TEM Bulk Qualitative (TBL)	☐
TEM Bulk Chatfield (TBS)	☐
TEM Bulk Quantitative (TBQ)	☐
TEM Wipe ASTM D6480-05	☐
TEM Microvac ASTM D5755-09	☐
TEM Water EPA 100.2 (TW1)	☐
Other	☐

Accepted ☒

Rejected ☐

Sample ID #	Location	Description	Quantity
01A-CC-060724	Drycleaner – B wall	White ½" Gypsum Wallboard	58500
01B-CC-060724	Pho Restaurant – C wall	White ½" Gypsum Wallboard	58500
01C-CC-060724	Nail Salon – D wall	White ½" Gypsum Wallboard	58500
01D-CC-060724	Appliance Store – A wall	White ½" Gypsum Wallboard	58500
01E-CC-060724	Barber Shop – D wall	White ½" Gypsum Wallboard	58500
01F-CC-060724	Michelle's Kitchen – B wall	White ½" Gypsum Wallboard	58500
01G-CC-060724	Michelle's Kitchen – D wall	White ½" Gypsum Wallboard	58500
02A-CC-060724	Drycleaner – B wall	White Tape and Joint Compound	58500
02B-CC-060724	Pho Restaurant – C wall	White Tape and Joint Compound	58500
02C-CC-060724	Nail Salon – D wall	White Tape and Joint Compound	58500

7/5 10:30am

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02D-CC-0607 4	Appliance St re – A wall	White Tape and Joint Compound	58500
02E-CC-0607 4	Barber Shop - D wall	White Tape and Joint Compound	58500
02F-CC-0607 4	Michelle's K tchen – B wall	White Tape and Joint Compound	58500
02G-CC-0607 24	Michelle's K tchen – D wall	White Tape and Joint Compound	58500
03A-CC-0607 24	Drycleaner – West Side Main Room	Original Black Mastic Assc. With 9"x9" Tan Vinyl Floor Tile on Concrete	20000 SF
03B-CC-0607 24	Drycleaner – West Side Main Room	Original Black Mastic Assc. With 9"x9" Tan Vinyl Floor Tile on Concrete	20000 SF
03C-CC-0607 24	Pho Restaura nt – Women's Bathroom	Original Black Mastic Assc. With 2'x2' Gray Ceramic Floor Tile on Concrete	20000 SF
03D-CC-060 24	Pho Restaura nt – Men's Bathroom	Original Black Mastic Assc. With 2'x2' Gray Ceramic Floor Tile on Concrete	20000 SF
03E-CC-0607 24	Nail Salon – North Bathroom	Original Black Mastic Assc. With 1'x1' White Sheet Floor on Concrete	20000 SF
03F-CC-0607 24	Nail Salon – North Bathroom	Original Black Mastic Assc. With 1'x1' White Sheet Floor on Concrete	20000 SF
03G-CC-060 24	Luck China - West Back Hall	Original Black Mastic Assc. With 1'x1' Tan Mottled Vinyl Floor Tile on Concrete	20000 SF
03H-CC-060 24	Luck China - West Back Hall	Original Black Mastic Assc. With 1'x1' Tan Mottled Vinyl Floor Tile on Concrete	20000 SF
03I-CC-0607 4	Appliance S ore – Aquarium Bathroom	Original Black Mastic Assc. With 9"x9" Tan Vinyl Floor Tile on Concrete	20000 SF
03J-CC-0607 24	Appliance S ore – Aquarium Bathroom	Original Black Mastic Assc. With 9"x9" Tan Vinyl Floor Tile on Concrete	20000 SF
03K-CC-060 24	Barber Shop – Main Room	Original Black Mastic Assc. With 1'x1' White Vinyl Floor Tile on Concrete	20000 SF
03L-CC-060 24	Barber Shop – Main Room	Original Black Mastic Assc. With 1'x1' White Vinyl Floor Tile on Concrete	20000 SF
03M-CC-06(724	Michelle's K itchen – South Bathroom	Original Black Mastic Assc. With 1'x1' White Vinyl Floor Tile on Concrete	20000 SF
03N-CC-060 24	Michelle's K itchen – South Bathroom	Original Black Mastic Assc. With 1'x1' White Vinyl Floor Tile on Concrete	20000 SF
04A-CC-060 724	Dry Cleaner s – Main Room	9"x9" Vinyl Floor Tile - Tan	300 SF
04B-CC-060 724	Dry Cleaner s – Main Room	9"x9" Vinyl Floor Tile - Tan	300 SF
05A-CC-06(724	Dry Cleaner s – Main Room	1'x1' Ceramic Floor Tile - Khaki	150 SF
05B-CC-06(724	Dry Cleaner s – Main Room	1'x1' Ceramic Floor Tile - Khaki	150 SF
06A-CC-06(724	Dry Cleaner s – Main Room	Mud Set Assc. With Khaki 1'x1' Ceramic Floor Tile – Grey	150 SF
06B-CC-06(724	Dry Cleane s – Main Room	Mud Set Assc. With Khaki 1'x1' CeramicFloor Tile – Grey	150 SF
07A-CC-06(724	Dry Cleane s – Main Room	Grout Assc With Khaki 1'x1' Ceramic Floor Tile – Red	150 SF
07B-CC-06(724	Dry Cleane s – Main Room	Grout Assc With Khaki 1'x1' Ceramic Floor Tile - Red	150 SF
08A-CC-06(724	Dry Cleane s – Main Room	1'x1' Vinyl Floor Tile over 9"x9" Floor Tile -Grey	300 SF
08B-CC-06(724	Dry Cleane s – Main Room	1'x1' Vinyl Floor Tile over 9"x9" Floor Tile -Grey	300 SF
09A-CC-06 724	Dry Cleane s – Main Room	Adhesive Assc. With Grey 1'x1' Vinyl Floor Tile over 9"x9" Floor Tile - Yellow	300 SF
09B-CC-06 724	Dry Cleaner s – Main Room	Adhesive Assc. With Grey 1'x1' Vinyl Floor Tile over 9"x9" Floor Tile - Yellow	300 SF
10A-CC-06 724	Dry Cleaner s – Main Room Center	1"x1" Tile on Center Drain - Green	150 SF

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10B-CC-060724	Dry Cleaners – Main Room Center	1"x1" Tile on Center Drain - Green	150 SF
11A-CC-060724	Dry Cleaners – Main Room Center	Grout & Thinset Assc. With Green 1"x1" Tile on Center Drain - White	150 SF
11B-CC-060724	Dry Cleaners – Main Room Center	Grout & Thinset Assc. With Green 1"x1" Tile on Center Drain - White	150 SF
12A-CC-060724	Pho Restaurant - Bathroom	Grout Assc. With 2'x2' Bathroom Floor Tile - Grey	140 SF
12B-CC-060724	Pho Restaurant - Bathroom	Grout Assc. With 2'x2' Bathroom Floor Tile - Grey	140 SF
13A-CC-060724	Pho Restaurant – Main Room	1'x1' Brick Floor Tile - Tan	2800 SF
13B-CC-060724	Pho Restaurant – Main Room	1'x1' Brick Floor Tile - Tan	2800 SF
14A-CC-060724	Pho Restaurant – Main Room	Grout Assc. With Tan 1'x1' Brick Floor Tile - Grey	2800 SF
14B-CC-060724	Pho Restaurant – Main Room	Grout Assc. With Tan 1'x1' Brick Floor Tile - Grey	2800 SF
15A-CC-060724	Pho Restaurant – Main Room	Thinset Assc. With Tan 1'x1' Brick Floor Tile - White	2800 SF
15B-CC-060724	Pho Restaurant – Main Room	Thinset Assc. With Tan 1'x1' Brick Floor Tile - White	2800 SF
16A-CC-060724	Nail Salon – Bathroom	2'x2' Sheet Floor Tiles – Tan	50 SF
16B-CC-060724	Nail Salon – Bathroom	2'x2' Sheet Floor Tiles - Tan	50 SF
17A-CC-060724	Nail Salon – Bathroom	Adhesive Assc. With Tan 2'x2' Sheet Floor - White	50 SF
17B-CC-060724	Nail Salon – Bathroom	Adhesive Assc. With Tan 2'x2' Sheet Floor - White	50 SF
18A-CC-060724	Nail Salon – Backroom	Sheet Tile Floor – Blue & White Pattern	80 SF
18B-CC-060724	Nail Salon – Backroom	Sheet Tile Floor – Blue & White Pattern	80 SF
19A-CC-060724	Nail Salon –Backroom	Adhesive Assc. With Blue & White Pattern Sheet Tile Floor - Yellow	80 SF
19B-CC-060724	Nail Salon – Backroom	Adhesive Assc. With Blue & White Pattern Sheet Tile Floor - Yellow	80 SF
20-CC-060724	Sample # Not Used		
21A-CC-060724	Nail Salon – Main room	Adhesive & Mastic Assc. With Red & Blue Carpet - Black	1000 SF
21B-CC-060724	Nail Salon – Main room	Adhesive & Mastic Assc. With Red & Blue Carpet - Black	1000 SF
22A-CC-060724	Lucky China – Store Front	9"x9" Ceramic Floor Tile - White	440 SF
22B-CC-060724	Lucky China – Store Front	9"x9" Ceramic Floor Tile - White	440 SF
23A-CC-060724	Lucky China – Store Front	Grout Assc. With White 9"x9" Ceramic Floor Tile – Tan	440 SF
23B-CC-060724	Lucky China – Store Front	Grout Assc. With White 9"x9" Ceramic Floor Tile – Tan	440 SF
24A-CC-060724	Lucky China – Store Front	Thinset Assc. With White 9"x9" Ceramic Floor Tile – Grey	440 SF
24B-CC-060724	Lucky China – Store Front	Thinset Assc. With White 9"x9" Ceramic Floor Tile – Grey	440 SF
25A-CC-060724	Lucky China – Kitchen	1'x1' Ceramic Floor Tile – Red	1000 SF
25B-CC-060724	Lucky China – Kitchen	1'x1' Ceramic Floor Tile – Red	1000 SF
26A-CC-060724	Lucky China – Kitchen	Grout Assc. With Red 1'x1' Ceramic Floor Tile – Gray	1000 SF
26B-CC-060724	Lucky China – Kitchen	Grout Assc. With Red 1'x1' Ceramic Floor Tile – Gray	1000 SF

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27A-CC-060 724	Lucky China – Kitchen	Thinset Assc. With Red 1'x1' Ceramic Floor Tile – White	1000 SF
27B-CC-060 724	Lucky China – Kitchen	Thinset Assc. With Red 1'x1' Ceramic Floor Tile – White	1000 SF
28A-CC-060 724	Appliance Store – Backroom Aquarium	1'x1' Vinyl Floor Tile Over 9"x9" Tiles - Grey	25 SF
28B-CC-060 724	Appliance Store – Backroom Aquarium	1'x1' Vinyl Floor Tile Over 9"x9" Tiles - Grey	25 SF
29A-CC-060 724	Appliance Store - Kitchen	1'x1' Mottled Floor Tile – Tan	120 SF
29B-CC-060 724	Appliance Store - Kitchen	1'x1' Mottled Floor Tile – Tan	120 SF
30A-CC-060 724	Appliance Store - Kitchen	Adhesive Assc. Tan 1'x1' Mottled Floor Tile - Tan	120 SF
30B-CC-060 724	Appliance Store - Kitchen	Adhesive Assc. Tan 1'x1' Mottled Floor Tile - Tan	120 SF
31A-CC-060 724	Appliance Store – Bathroom	1'x1' Vinyl Floor Tile on Cement with Black Mastic – Green	32 SF
31B-CC-060 724	Appliance Store – Bathroom	1'x1' Vinyl Floor Tile on Cement with Black Mastic – Green	32 SF
32A-CC-060 724	Appliance Store – Main Room	1'x1' Ceramic Floor Tile - Tan	24 SF
32B-CC-060 724	Appliance Store – Main Room	1'x1' Ceramic Floor Tile – Tan	24 SF
33A-CC-060 724	Appliance Store – Main Room	Grout & Thinset Assc. With Tan 1'x1' Ceramic Floor Tile - Grey	24 SF
33B-CC-060 724	Appliance Store – Main Room	Grout & Thinset Assc. With Tan 1'x1' Ceramic Floor Tile - Grey	24 SF
34A-CC-060 724	Barbershop – Bathroom	1'x1' Vinyl Floor Tile – Flower Design	12 SF
34B-CC-060 724	Barbershop – Bathroom	1'x1' Vinyl Floor Tile on Cement with Black Mastic – Flower Design	12 SF
35A-CC-060 724	Michells's Kitchen – Managers Office	2'x2' Vinyl Sheet Floor on Cement with Black Mastic – Brown Marble	140 SF
35B-CC-060 724	Michells's Kitchen – Managers Office	2'x2' Vinyl Sheet Floor – Brown Marble	140 SF
36A-CC-060 724	Michells's Kitchen – Managers Office	Adhesive Assc. With Brown Marble 2'x2' Vinyl Sheet Floor - Clear	140 SF
36B-CC-060 724	Michells's Kitchen – Managers Office	Adhesive Assc. With Brown Marble 2'x2' Vinyl Sheet Floor - Clear	140 SF
37A-CC-060 724	Michells's Kitchen - Managers Office	Adhesive assc. With Black 2'x2' Carpet Square - White	136 SF
37B-CC-060 724	Michells's Kitchen - Managers Office	Adhesive assc. With Black 2'x2' Carpet Square - White	136 SF
38-CC-0607 24	Sample # Not Used		
39A-CC-060 724	Michells's Kitchen – Store Front	1'x1' Sheet Tile – Brown Pattern	660 SF
39B-CC-060 724	Michells's Kitchen - Store Front	1'x1' Sheet Tile – Brown Pattern	660 SF
40A-CC-060 724	Michells's Kitchen - Store Front	Adhesive Assc. With Brown Pattern 1'x1' Sheet Tile	660 SF
40B-CC-060 724	Michells's Kitchen - Store Front	Adhesive Assc. With Brown Pattern 1'x1' Sheet Tile	660 SF
41A-CC-06 724	Michells's Kitchen - Kitchen	6"x6" Ceramic Floor Tile - Red	1040 SF
41B-C-0607 24	Michells's Kitchen - Kitchen	6"x6" Ceramic Floor Tile – Red	1040 SF
42A-CC-06 724	Michells's Kitchen - Kitchen	Thinset Assc. With Red 6"x6" Ceramic Floor Tile – White	1040 SF
42B-CC-060 724	Michells's Kitchen - Kitchen	Thinset Assc. With Red 6"x6" Ceramic Floor Tile – White	1040 SF

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43A-CC-060724	Michells's Kitchen - Kitchen	Grout Assc. With Red 6"x6" Ceramic Floor Tile – Grey	1040 SF
43B-CC-060724	Michells's Kitchen - Kitchen	Grout Assc. With Red 6"x6" Ceramic Floor Tile – Grey	1040 SF
44A-CC-060724	Dry Cleaners – Main Room	9"x9" Vinyl Floor Tile Under 1'x1' Grey Tile - Tan	300 SF
44B-CC-060724	Dry Cleaners – Main Room	9"x9" Vinyl Floor Tile Under 1'x1' Grey Tile - Tan	300 SF
45A-CC-060724	Pho Restaurant - Bathroom	2'x2' Ceramic Floor Tile – White/Grey	140 SF
45B-CC-060724	Pho Restaurant - Bathroom	2'x2' Ceramic Floor Tile – White/Grey	140 SF
46A-CC-060724	Pho Restaurant - Bathroom	Thinset Assc. White/Grey 2'x2' Ceramic Floor Tile - Grey	140 SF
46B-CC-060724	Pho Restaurant - Bathroom	Thinset Assc. White/Grey 2'x2' Ceramic Floor Tile - Grey	140 SF
47A-CC-060724	Nail Salon - Bathroom	1'x1' Sheet Floor - White	16 SF
47B-CC-060724	Nail Salon - Bathroom	1'x1' Sheet Floor – White	16 SF
48A-CC-060724	Lucky China - Bathroom	1'x1' Mottled Vinyl Floor Tile - Tan	70 SF
48B-CC-060724	Lucky China - Bathroom	1'x1' Mottled Vinyl Floor Tile - Tan	70 SF
49A-CC-060724	Appliance Store – Aquarium Bathroom	9"x9" Vinyl Floor Tile - White	16 SF
49B-CC-060724	Appliance Store – Aquarium Bathroom	9"x9" Vinyl Floor Tile - White	16 SF
50A-CC-060724	Barbershop – Main Floor	1'x1' Vinyl Floor Tile - White	1200 SF
50B-CC-060724	Barbershop – Main Floor	1'x1' Vinyl Floor Tile - White	1200 SF
51A-CC-060724	Michelle's Kitchen - Bathroom	1'x1' Vinyl Floor Tile Under Sheet Floor - Tan	56 SF
51B-CC-060724	Michelle's Kitchen - Bathroom	1'x1' Vinyl Floor Tile Under Sheet Floor - Tan	56 SF
52A-CC-060724	Appliance Store – Aquarium Bathroom	1'x1' Vinyl Floor Tile Under Sheet Floor - Tan	25 SF
52B-CC-060724	Appliance Store – Aquarium Bathroom	1'x1' Vinyl Floor Tile Under Sheet Floor - Tan	25 SF
53-CC-060724	Sample # Not Used		
54A-CC-060724	Appliance Store – Bird Room	Popcorn Ceiling Texture- White	300 SF
54B-CC-060724	Appliance Store – Bird Room	Popcorn Ceiling Texture- White	300 SF
54C-CC-060724	Appliance Store – Northeast Room	Popcorn Ceiling Texture- White	300 SF
55A-CC-060724	Appliance Store – Bird Room	Ceiling Tape & Joint Compound associated with Gypsum Wallboard- White	300 SF
55B-CC-060724	Appliance Store – Bird Room	Ceiling Tape & Joint Compound associated with Gypsum Wallboard- White	300 SF
55C-CC-060724	Appliance Store – Northeast Room	Ceiling Tape & Joint Compound associated with Gypsum Wallboard- White	300 SF
56A-CC-060724	Appliance Store – Bird Room	Ceiling Gypsum Drywall ½" - White	300 SF
56B-CC-060724	Appliance Store – Bird Room	Ceiling Gypsum Drywall ½" - White	300 SF
56C-CC-060724	Appliance Store – Northeast Room	Ceiling Gypsum Drywall ½" - White	300 SF
57A-CC-060724	Dry Cleaners – Main Room	2'x2' Suspended Ceiling Tile – Pin & Worm Hole – White	300 SF
57B-CC-060724	Dry Cleaners – Main Room	2'x2' Suspended Ceiling Tile – Pin & Worm Hole – White	300 SF

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58A-CC-06 724	Appliance Store – Main Floor	2'x2' Suspended Ceiling Tile – Pin & Worm Hole – White	1650 SF
58B-CC-06 724	Appliance Store – Main Floor	2'x2' Suspended Ceiling Tile – Pin & Worm Hole – White	1650 SF
59A-CC-06 724	Nail Salon - Store Front	2'x4' Suspended Ceiling Tile – Pin & Worm Hole – White	4200 SF
59B-CC-06 724	Appliance Store – Main Room	2'x4' Suspended Ceiling Tile – Pin & Worm Hole – White	4200 SF
59C-CC-06 724	Barbershop – Store Front	2'x4' Suspended Ceiling Tile – Pin & Worm Hole – White	4200 SF
59D-CC-06 724	Michelle's Kitchen – Store Front	2'x4' Suspended Ceiling Tile – Pin & Worm Hole – White	4200 SF
60,61,62-CC -060724	**Sample #'s Not Used**		
63A-CC-06 724	Michelle's Kitchen – Manager's Office	2'x4' Suspended Ceiling Tile – Spong Pattern - Black	440 SF
63B-CC-06 724	Michelle's Kitchen – Managers Office	2'x4' Suspended Ceiling Tile – Spong Pattern – Black	440 SF
64A-CC-06 724	Michelle's Kitchen – Kitchen	2'x4' Suspended Ceiling Tile – Flat - Black	1040 SF
64B-CC-06 724	Michelle's Kitchen – Kitchen	2'x4' Suspended Ceiling Tile – Flat - Black	1040 SF
65A-CC-06 724	Dry Cleane s – Main Room	4" Vinyl Cove Base - Grey	50 LF
65B-CC-06 724	Dry Cleane s – Main Room	4" Vinyl Cove Base – Grey	50 LF
66A-CC-06 724	Dry Cleane s – Main Room	Adhesive Assc. With Grey 4" Vinyl Cove Base -White	50 LF
66B-CC-06 724	Dry Cleane s – Main Room	Adhesive Assc. With Grey 4" Vinyl Cove Base -White	50 LF
67A-CC-06 724	Nail Salon - Main Room	4" Vinyl Cove Base - Black	120 LF
67B-CC-06 724	Nail Salon - Main Room	4" Vinyl Cove Base - Black	120 LF
68A-CC-06 724	Nail Salon - Main Room	Adhesive Assc. With Black 4" Vinyl Cove Base - Yellow	120 LF
68B-CC-06 724	Nail Salon - Main Room	Adhesive Assc. With Black 4" Vinyl Cove Base – Yellow	120 LF
69-CC-0607 24	Sample # Not Used		
70A-CC-06 724	Nail Salon - Main Room	Adhesive Assc. With Dark Blue 4" Carpet Cove Base - Yellow	20 LF
70B-CC-06 724	Nail Salon - Main Room	Adhesive Assc. With Dark Blue 4" Carpet Cove Base - Yellow	20 LF
71A-CC-06 724	Lucky Chir a - Bathroom	4" Vinyl Cove Base – Black	50 LF
71B-CC-06 724	Lucky Chir a - Bathroom	4" Vinyl Cove Base - Black	50 LF
72A-CC-06 724	Lucky Chir a – Bathroom	Adhesive Assc. With Black Vinyl Cove Base - Brown	50 LF
72B-CC-06 724	Lucky Chir a – Bathroom	Adhesive Assc. With Black Vinyl Cove Base - Brown	50 LF
73A-CC-06 724	Lucky Chir a – Store Front	4" Vinyl Cove Base – Purple	10 LF
73B-CC-06 724	Lucky Chir a - Store Front	4" Vinyl Cove Base - Purple	10 LF
74A-CC-06 724	Lucky Chir a - Store Front	Adhesive Assc. With Purple Vinyl Cove Base – White	10 LF
74B-CC-06 724	Lucky Chir a - Store Front	Adhesive Assc. With Purpl Vinyl Cove Base - White	10 LF
75A-CC-06 724	Appliance Store – Main Room – B Wall	4" Vinyl Cove Base - Pink	150 LF
75B-CC-06 724	Appliance Store – Main Room – B Wall	4" Vinyl Cove Base - Pink	150 LF

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76A-CC-060724	Appliance Store – Main Room – B Wall	Adhesive Assc. With Pink 4" Vinyl Cove Base - Tan	150 LF
76B-CC-060724	Appliance Store – Main Room – B Wall	Adhesive Assc. With Pink 4" Vinyl Cove Base - Tan	150 LF
77A-CC-060724	Appliance Store – Main Room - Office	4" Vinyl Cove Base – Light Tan	20 LF
77B-CC-060724	Appliance Store – Main Room - Office	4" Vinyl Cove Base – Light Tan	20 LF
78A-CC-060724	Appliance Store – Main Room - Office	Adhesive Assc. With Light Tan Vinyl Cove Base - Tan	20 LF
78B-CC-060724	Appliance Store – Main Room - Office	Adhesive Assc. With Light Tan Vinyl Cove Base - Tan	20 LF
79A-CC-060724	Appliance Store – Bird Room	4" Vinyl Cove Base – Green Grey	50 LF
79B-CC-060724	Appliance Store –Bird Room	4" Vinyl Cove Base – Green Grey	50 LF
80A-CC-060724	Appliance Store –Bird Room	Adhesive Assc. With Green Grey Vinyl Cove Base–Tan	50 LF
80B-CC-060724	Appliance Store – Bird Room	Adhesive Assc. With Green Grey Vinyl Cove Base-Tan	50 LF
81A-CC-060724	Appliance Store – Kitchen	4" Vinyl Cove Base – Brown	80 LF
81B-CC-060724	Appliance Store – Kitchen–	4" Vinyl Cove Base – Brown	80 LF
82A-CC-060724	Appliance Store – Kitchen	Adhesive Assc. With Light Tan Vinyl Cove Base - Tan	80 LF
82B-CC-060724	Appliance Store – Kitchen	Adhesive Assc. With Light Tan Vinyl Cove Base - Tan	80 LF
83A-CC-060724	Appliance Store – Northeast Room	4" Ceramic Cove Base – Light Blue	40 LF
83B-CC-060724	Appliance Store – Northeast Room	4" Ceramic Cove Base – Light Blue	40 LF
84A-CC-060724	Appliance Store – Northeast Room	Adhesive Assc. With Light Blue Vinyl Cove Base–Tan	40 LF
84B-CC-060724	Appliance Store – Northeast Room	Adhesive Assc. With Light Blue Vinyl Cove Base -Tan	40 LF
85A-CC-060724	Barber Shop – Store Front	4" Vinyl Cove Base – White	150 LF
85B-CC-060724	Barber Shop – Store Front	4" Vinyl Cove Base – White	150 LF
86A-CC-060724	Barber Shop – Store Front	Adhesive Assc. With White 4" Vinyl Cove Base – Tan	150 LF
86B-CC-060724	Barber Shop – Store Front	Adhesive Assc. With White 4" Vinyl Cove Base - Tan	150 LF
87A-CC-060724	Barber Shop – Store Front	4" Vinyl Cove Base – Black	75 LF
87B-CC-060724	Barber Shop – Store Front	4" Vinyl Cove Base – Black	75 LF
88A-CC-060724	Barber Shop – Store Front	Adhesive Assc. With Black Vinyl Cove Base – Brown	75 LF
88B-CC-060724	Barber Shop – Store Front	Adhesive Assc. With Black Vinyl Cove Base - Brown	75 LF
89A-CC-060724	Michelle's Kitchen - Kitchen	4" Vinyl Cove Base – Dark Brown	40 LF
89B-CC-060724	Michelle's Kitchen - Kitchen	4" Vinyl Cove Base – Dark Brown	40 LF
90A-CC-060724	Michelle's Kitchen - Kitchen	Adhesive Assc. With Black Vinyl Cove Base – Brown	40 LF
90B-CC-060724	Michelle's Kitchen - Kitchen	Adhesive Assc. With Black Vinyl Cove Base - Brown	40 LF
91A-CC-060724	Michelle's Kitchen - Kitchen	6"x6" Ceramic Tile Cove Base - Red	100 LF
91B-CC-060724	Michelle's Kitchen - Kitchen	6"x6" Ceramic Tile Cove Base – Red	100 LF
92A-CC-060724	Michelle's Kitchen - Kitchen	Grout Assc. with Red Ceramic Tile Cove Base - Grey	100 LF
92B-CC-060724	Michelle's Kitchen - Kitchen	Grout Assc. with Red Ceramic Tile Cove Base - Grey	100 LF

Scientific Analytical Institute
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Phone: 336.292.3888 Fax: 336.292.3313
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93A-CC-06 724	Michelle's Kitchen - Kitchen	Thinset Assc. with Red Ceramic Tile Cove Base-White	100 LF
93B-CC-06 724	Michelle's Kitchen - Kitchen	Thinset Assc. with Red Ceramic Tile Cove Base-White	100 LF
94A-CC-06 724	Michelle's Kitchen – Store Front	6"x6" Ceramic Tile Cove Base – Brown	100 LF
94B-CC-06 724	Michelle's Kitchen – Store Front	6"x6" Ceramic Tile Cove Base – Brown	100 LF
95A-CC-06 724	Michelle's Kitchen – Store Front	Grout Assc. with Brown 6"x6" Ceramic Tile Cove Base – Grey	100 LF
95B-CC-06 724	Michelle's Kitchen – Store Front	Grout Assc. with Brown Ceramic Tile Cove Base – Grey	100 LF
96A-CC-06 724	Michelle's Kitchen – Store Front	Adhesive Assc. with Red Ceramic Tile Cove Base – Tan	100 LF
96B-CC-06 724	Michelle's Kitchen – Store Front	Adhesive Assc. with Red Ceramic Tile Cove Base - Tan	100 LF
97A-CC-06 724	Michelle's Kitchen – Bathroom	4" Vinyl Cove base - Grey	50 LF
97B-CC-06 724	Michelle's Kitchen – Bathroom	4" Vinyl Cove base – Grey	50 LF
98A-CC-06 724	Michelle's Kitchen – Bathroom	Adhesive Assc. With Grey 4" Vinyl Cove base – Grey	50 LF
98B-CC-06 724	Michelle's Kitchen – Bathroom	Adhesive Assc. With Grey 4" Vinyl Cove base - Grey	50 LF
99A-CC-06 724	Lucky Chir a – Store Front - D Wall	4" Vinyl Cove base – White	100 LF
99B-CC-06 724	Lucky Chir a – Store Front - D Wall	4" Vinyl Cove base – White	100 LF
100A-CC-0 0724	Lucky Chir a – Store Front - D Wall	Adhesive Assc. With Grey 4" Vinyl Cove base – Tan	100 LF
100B-CC-0 0724	Lucky Chir a – Store Front - D Wall	Adhesive Assc. With Grey 4" Vinyl Cove base – Tan	100 LF
101A-CC-0 0724	Michell's k itch - Kitchen	5"x5" Ceramic Wall Tile - White	280 SF
101B-CC-0 0724	Michell's k itch - Kitchen	5"x5" Ceramic Wall Tile – White	280 SF
102A-CC-0 0724	Michell's k itch - Kitchen	Grout Assc. With White Ceramic Wall Tile - White	280 SF
102B-CC-0 0724	Michell's k itch - Kitchen	Grout Assc. With White Ceramic Wall Tile – White	280 SF
103A-CC-0 0724	Michell's k itch - Kitchen	Thinset Assc. With White Ceramic Wall Tile – Tan	280 SF
103B-CC-0 0724	Michell's k itch - Kitchen	Thinset Assc. With White Ceramic Wall Tile – Tan	280 SF
104A-CC-0 0724	Dry Cleane s – Main Room	Wallpaper – Khaki with Gold Specs	200 SF
104B-CC-0 0724	Dry Cleane s – Main Room	Wallpaper – Khaki with Gold Specs	200 SF
105A-CC-0 0724	Dry Cleane s – Main Room	Adhesive Assc. with Khaki with Gold Specs Wallpaper -Orange	200 SF
105B-CC-0 0724	Dry Cleane s – Main Room	Adhesive Assc. with Khaki with Gold Specs Wallpaper -Orange	200 SF
106A-CC-0 0724	Appliance Store – Aquarium - D Wall	Vinyl Sheet – Stone Pattern	840 SF
106B-CC-0 0724	Appliance Store – Aquarium - D Wall	Vinyl Sheet – Stone Pattern	840 SF
107A-CC-0 0724	Appliance Store – Aquarium - D Wall	Adhesive Assc. With Stone Patter Vinyl Sheet - Clear	840 SF
107B-CC-0 0724	Appliance Store – Aquarium - D Wall	Adhesive Assc. With Stone Patter Vinyl Sheet - Clear	840 SF
108A-CC-0 0724	Appliance Store – Aquarium - D Wall	Textured Wall Coat – Wave – White	80 SF
108B-CC-0 0724	Appliance Store – Aquarium - D Wall	Textured Wall Coat – Wave – White	80 SF
108C-CC-0 0724	Appliance Store – Aquarium - D Wall	Textured Wall Coat – Wave – White	80 SF

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Client Code: _____

109A-CC-060724	Appliance Store – Main Room – B Wall	Wallpaper – Off-White	2600 SF
109B-CC-060724	Appliance Store – Main Room – B Wall	Wallpaper – Off-White	2600 SF
110A-CC-060724	Appliance Store – Main Room – B Wall	Adhesive Assc. With Off-White Wallpaper - Grey	2600 SF
110B-CC-060724	Appliance Store – Main Room – B Wall	Adhesive Assc. With Off-White Wallpaper - Grey	2600 SF
111A-CC-060724	Barber Shop – Store Front	Wallpaper – Cracked – White	128 SF
111B-CC-060724	Barber Shop – Store Front	Wallpaper – Cracked – White	128 SF
112A-CC-060724	Barber Shop – Store Front	Adhesive Assc. With Cracked White Wallpaper - White	128 SF
112B-CC-060724	Barber Shop – Store Front	Adhesive Assc. With Cracked White Wallpaper - White	128 SF
113A-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive – White/Yellow	50 SF
113B-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive – White/Yellow	50 SF
114A-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive – Red/Yellow	90 SF
114B-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive – Red/Yellow	90 SF
115A-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive – Black/Yellow	10 SF
115B-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive - Black/Yellow	10 SF
116A-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive – Wood Pattern/Yellow	70 SF
116B-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive – Wood Pattern/Yellow	70 SF
117A-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive - Grey/Yellow	30 SF
117B-CC-060724	Dry Cleaners – Main Room	Laminate Countertop/Adhesive- Grey/Yellow	30 SF
118A-CC-060724	Nail Salon – Store Front	Laminate Countertop/Adhesive – Dark Pink Marble/Yellow	20 SF
118B-CC-060724	Nail Salon – Store Front	Laminate Countertop/Adhesive – Dark Pink Marble/Yellow	20 SF
119A-CC-060724	Nail Salon – Store Front	Laminate Countertop/Adhesive – White Marble/White	50 SF
119B-CC-060724	Nail Salon – Store Front	Laminate Countertop/Adhesive – White Marble/White	50 SF
120A-CC-060724	Nail Salon – Store Front	Laminate Countertop/ Adhesive – Pink Marble/Red	20 SF
120B-CC-060724	Nail Salon – Store Front	Laminate Countertop/Adhesive – Pink Marble/Red	20 SF
121A-CC-060724	Nail Salon – Store Front	Laminate Countertop/Adhesive – Tan/White	40 SF
121B-CC-060724	Nail Salon – Store Front	Laminate Countertop/Adhesive – Tan/White	40 SF
122A-CC-060724	Lucky Chine – Store Front	Laminate Countertop/Adhesive – Green/Yellow	40 SF
122B-CC-060724	Lucky Chine – Store Front	Laminate Countertop/Adhesive – Green/Yellow	40 SF
123A-CC-060724	Lucky Chine – Store Front	Laminate Countertop/Adhesive – Marble Tan/Yellow	50 SF
123B-CC-060724	Lucky Chine – Store Front	Laminate Countertop/Adhesive – Marble Tan/Yellow	50 SF
124A-CC-060724	Lucky Chine – Store Front	Laminate Countertop/Adhesive – Wood Grain/Yellow	20 SF
124B-CC-060724	Lucky Chine – Store Front	Laminate Countertop/Adhesive – Wood Grain/Yellow	20 SF
125A-CC-060724	Barber Shop – Store Front	Laminate Countertop/Adhesive – White Thin Wood Grain/Yellow	50 SF

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125B-CC-0(0724	Barber Sho) – Store Front	Laminate Countertop/Adhesive – White Thin Wood Grain/Yellow	50 SF
126A-CC-0· 0724	Barber Sho) – Store Front	Laminate Countertop/Adhesive – White Thick Wood Grain/Clear	10 SF
126B-CC-0(0724	Barber Sho) – Store Front	Laminate Countertop With Adhesive – White Thick Wood Grain/Clear	10 SF
127A-CC-0· 0724	Barber Sho) – Store Front	Laminate Countertop/Adhesive – White/Red	55 SF
127B-CC-0(0724	Barber Sho) – Store Front	Laminate Countertop/ Adhesive –White/Red	55 SF
128A-CC-0· 0724	Barber Sho) – Store Front	Laminate Countertop/ Adhesive – Red/Yellow	10 SF
128B-CC-0(0724	Barber Sho) – Store Front	Laminate Countertop/Adhesive – Red/Yellow	10 SF
129A-CC-0· 0724	Dry Cleane 's – Boiler Room	Mudded Fitting – Grey	5 EA
129B-CC-0(0724	Dry Cleane 's – Boiler Room	Mudded Fitting – Grey	5 EA
129C-CC-0(0724	Dry Cleane 's – Boiler Room	Mudded Fitting – Grey	5 EA
130A-CC-0· 0724	Dry Cleane 's – Boiler Room	Fiber Glass Insulation Foil Paperback	100 LF
130B-CC-0(0724	Dry Cleane 's – Boiler Room	Fiber Glass Insulation Foil Paperback	100 LF
131A-CC-0· 0724	Barber Sho) – Bathroom – D Wall	Fiberboard – Tile Look – White	60 SF
131B-CC-0(0724	Barber Sho) - Bathroom – D Wall	Fiberboard – Tile Look – White	60 SF
132A-CC-0· 0724	Barber Sho) - Bathroom – D Wall	Adhesive Assc. With White Tile Look Fiberboard - Tan	60 SF
132B-CC-0(0724	Barber Sho) - Bathroom – D Wall	Adhesive Assc. With White Tile Look Fiberboard - Tan	60 SF
133A-CC-0· 0724	Appliance 'tore - Kitchen	Kitchen Sink Undercoat - White	1 EA
133B-CC-0(0724	Appliance 'tore - Kitchen	Kitchen Sink Undercoat - White	1 EA

Toal # of S mples:
281

Relinquished by	Date/Time	Received by	Date/Time

OrderID: 032413183

032413183

FUSS & O'NEILL

Fuss & O'Neill EMSL Customer No. ENVI54

www.fando.com

146 Hartford Road, Manchester, CT 06040

2024 SEP 19 A 10:22

Phone (860) 646-2469

Date: 9/17/2024

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Project Name: Silver Lane Plaza Project No. 20230389.A11 Task No.: 200

Site Address: 808-810 Silver Lane, East Hartford CT Location: Malibu - interior Project Manager: Carlos Texidor

Sample ID	Sample Location	Type of Material	Quantity of Material
01A-091724-SV	810 Northeast room	1'x1' ceiling tile (painted black)	54 SF
01B-091724-SV	810 Northeast room	1'x1' ceiling tile (painted black)	
02A-091724-SV	810 Northeast room	Dark Brown Glue Daubs associated with 1'x1' ceiling tile (painted black)	
02B-091724-SV	810 Northeast room	Dark Brown Glue Daubs associated with 1'x1' ceiling tile (painted black)	
03A-091724-SV	810	2'x4' ceiling tile – worms & pinhole pattern, brown back	3,900SF (COMBINED STYLES MIXED)
03B-091724-SV	810	2'x4' ceiling tile – worms & pinhole pattern, brown back	
04A-091724-SV	810	2'x4' ceiling tile – sponge pattern, tan back	
04B-091724-SV	810	2'x4' ceiling tile – sponge pattern, tan back	
05A-091724-SV	808	2'x4' ceiling tile – worms & pinhole pattern, tan back	
05B-091724-SV	808	2'x4' ceiling tile – worms & pinhole pattern, tan back	
06A-091724-SV	808	2'x4' ceiling tile – bird tracks pattern, brown back	
06B-091724-SV	810	2'x4' ceiling tile – bird tracks pattern, brown back	
07A-091724-SV	808 Kitchen	Yellow Adhesive associated with splash panel	60 SF
07B-091724-SV	808 Kitchen	Yellow Adhesive associated with splash panel	
08A-091724-SV	808 Kitchen	Off-White Adhesive associated with splash panel	620 SF
08B-091724-SV	808 Kitchen	Off-White Adhesive associated with splash panel	
09A-091724-SV	810 Northeast room	½" Drywall	3,500 SF
09B-091724-SV	810 Mechanical room	½" Drywall	
09C-091724-SV	808 Mechanical room	½" Drywall	
10A-091724-SV	810 Northeast room	Tape & joint compound	
10B-091724-SV	810 Mechanical room	Tape & joint compound	
10C-091724-SV	808 Mechanical room	Tape & joint compound	
11A-091724-SV	808 East entrance	4" black cove base	310 LF
11B-091724-SV	810 @ Women's Lavatory	4" black cove base	
12A-091724-SV	808 East entrance	Off-white Adhesive associated with 4" black cove base	

E- 7965 6498 2567

OrderID: 032413183

032413183

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Date: 9/17/2024

Sample ID	Sample Location	Type of Material	Quantity of Material
12B-091724-SV	810 @ Women's Lavatory	Off-white Adhesive associated with 4" black cove base	
13A-091724-SV	810 Mechanical room	Foil-backed paper wrap with black adhesive on fiberglass pipe insulation	35 LF
13B-091724-SV	810 Mechanical room	Foil-backed paper wrap with black adhesive on fiberglass pipe insulation	
14A-091724-SV	810 West side @ Lavatories	12"x12" Floor Tile – white with grey mottled	3,235 SF (Tiles are in checkerboard pattern)
14B-091724-SV	808/810 connecting door	12"x12" Floor Tile – white with grey mottled	
15A-091724-SV	810 West side @ Lavatories	12"x12" Floor Tile – black with grey mottled	
15B-091724-SV	808 South wall	12"x12" Floor Tile – black with grey mottled	
16A-091724-SV	810 West side @ Lavatories	Yellow Adhesive associated with 12"x12" Floor Tile	3,235 SF
16B-091724-SV	810 East side center	Yellow Adhesive associated with 12"x12" Floor Tile	
17A-091724-SV	808 South wall	Residual Black Mastic under 12"x12" Floor Tile & Leveling Compound	3,235 SF
17B-091724-SV	810 Northeast room	Residual Black Mastic under 12"x12" Floor Tile & Leveling Compound	
18A-091724-SV	808/810 connecting door	Tan Leveling Compound	1,600 SF (Compound not observed on west half of unit)
18B-091724-SV	808 South wall	Tan Leveling Compound	
19A-091724-SV	808 Kitchen	6" Red Quarry Tile	680 SF
19B-091724-SV	808 Kitchen	6" Red Quarry Tile	
20A-091724-SV	808 Kitchen	Grey Grout/Thinset associated with 6" Red Quarry Tile	
20B-091724-SV	808 Kitchen	Grey Grout/Thinset associated with 6" Red Quarry Tile	
21A-091724-SV	808 South Hall	12" Terracotta Floor Tile	170 SF
21B-091724-SV	808 South Hall	12" Terracotta Floor Tile	
22A-091724-SV	808 South Hall	Grey Grout/Thinset associated with 12" Terracotta Floor Tile	
22B-091724-SV	808 South Hall	Grey Grout/Thinset associated with 12" Terracotta Floor Tile	
23A-091724-SV	808 Men's Lavatory	12" Ceramic Wall Tile - grey	75 SF
23B-091724-SV	808 Men's Lavatory	12" Ceramic Wall Tile - grey	
24A-091724-SV	808 Men's Lavatory	White Grout/Thinset associated with 12" Ceramic Wall Tile - grey	
24B-091724-SV	808 Men's Lavatory	White Grout/Thinset associated with 12" Ceramic Wall Tile - grey	
25A-091724-SV	808 Women's Lavatory	12" Ceramic Floor Tile – white (tile is also on walls of women's lavatory)	145 SF
25B-091724-SV	808 Men's Lavatory	12" Ceramic Floor Tile - white	25 SF
26A-091724-SV	808 Women's Lavatory	Grey Grout/Thinset associated with 12" Ceramic Floor Tile - white	50 SF

OrderID: 032413183

032413183

FUSS & O'NEILL

Fuss & O'Neill EMSL Customer No. ENVI54

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146 Hartford Road, Manchester, CT 06040

Phone (860) 646-2469

Date: 9/17/2024

Sample ID	Sample Location	Type of Material	Quantity of Material
26B-091724-SV	808 Men's Lavatory	Grey Grout/Thinset associated with 12" Ceramic Floor Tile - white	
27A-091724-SV	808 Women's Lavatory	White Grout/Thinset associated with 12" Ceramic Wall Tile - white	140 SF
27B-091724-SV	808 Women's Lavatory	White Grout/Thinset associated with 12" Ceramic Wall Tile - white	

Analysis Method: ☒ PLM ☒ TEM ☐ Other _____ **Turnaround Time**: PLM: 72 hr TEM 72 hr

Based on the turnaround time indicated above, analyses are due to Fuss & O'Neill on or before this date: _____ Please call Fuss & O'Neill if analyses will not be completed for requested t/a/t at (860) 646-2469.

Email Results to: LabResults@fando.com and Carlos.Texidor@fando.com **Do Not Mail Hard Copy Report**

Total # of Samples: 56

Special Instructions: Stop analysis on first positive sample in each homogeneous set of samples unless otherwise noted. Do not layer samples unless indicated. Do Not Point Count. If NOB group sample results are 0% - < 1% by PLM, analyze only "A" group sample above by TEM NOB, per group, unless you are told otherwise.

Samples collected by: Stacy Vanderveer Date: 9/17/2024 Time: _____

Samples Sent by: Stacy Vanderveer Date: _____ Time: _____

Samples Received by: [signature] Date: 9/19/24 Time: 10:22 AM

Shipped To: ☒ EMSL ☐ Other _____

Method of Shipment: ☒ FedEx ☐ Lab Drop Off ☐ Other _____

2024 SEP 19 A 10:22

EMSL Analytical, Inc.

10-39 45th Road Long Island City, NY 11101
Phone/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order ID:	032413183
Customer ID:	ENVI54
Customer PO:	20230389.A11
Project ID:	

Attn: Carlos Texidor
Fuss & O'Neill, Inc.
146 Hartford Road
Manchester, CT 06040

Phone:	(860) 646-2469
Fax:	
Collected:	9/17/2024
Received:	9/19/2024
Analyzed:	9/23/2024

Proj: 20230389.A11/Silver Lane Plaza 808-810 Silver Lane, East Hartford Ct

Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 01A-091724-SV ***Lab Sample ID:*** **032413183-0001**
Sample Description: 810 Northeast Room/1' x 1' Ceiling Tile (Painted Black)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Gray/Black	72.0%	28.0%	None Detected	

Client Sample ID: 01B-091724-SV ***Lab Sample ID:*** **032413183-0002**
Sample Description: 810 Northeast Room/1' x 1' Ceiling Tile (Painted Black)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	White	65.0%	35.0%	None Detected	

Client Sample ID: 02A-091724-SV ***Lab Sample ID:*** **032413183-0003**
Sample Description: 810 Northeast Room/Dark Brown Glue Gaubs Associated with 1' x 1' Ceiling Tile (Painted Black)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Brown	0.0%	98.0%	**2% Anthophyllite**	

Client Sample ID: 02B-091724-SV ***Lab Sample ID:*** **032413183-0004**
Sample Description: 810 Northeast Room/Dark Brown Glue Gaubs Associated with 1' x 1' Ceiling Tile (Painted Black)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024			Positive Stop (Not Analyzed)		

Client Sample ID: 03A-091724-SV ***Lab Sample ID:*** **032413183-0005**
Sample Description: 810/2'x4' Ceiling Tile - Worms & Pinhold Pattern, Brown Back

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Gray/White	65.0%	35.0%	None Detected	

Client Sample ID: 03B-091724-SV ***Lab Sample ID:*** **032413183-0006**
Sample Description: 810/2'x4' Ceiling Tile - Worms & Pinhold Pattern, Brown Back

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Gray	60.0%	40.0%	None Detected	

Client Sample ID: 04A-091724-SV ***Lab Sample ID:*** **032413183-0007**
Sample Description: 810/2'x4' Ceiling Tile - Sponge Pattern, Tan Back

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Tan/White	70.0%	30.0%	None Detected	

Client Sample ID: 04B-091724-SV ***Lab Sample ID:*** **032413183-0008**
Sample Description: 810/2'x4' Ceiling Tile - Sponge Pattern, Tan Back

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	White	50.0%	50.0%	None Detected	

EMSL Analytical, Inc.

10-39 45th Road Long Island City, NY 11101
Phone/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

EMSL Order ID:	032413183
Customer ID:	ENVI54
Customer PO:	20230389.A11
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 05A-091724-SV **Lab Sample ID:** **032413183-0009**

Sample Description: 808/2'x4' Ceiling Tile - Worms & Pinhole Pattern, Tan Back

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Tan/White	70.0%	30.0%	None Detected	

Client Sample ID: 05B-091724-SV **Lab Sample ID:** **032413183-0010**

Sample Description: 808/2'x4' Ceiling Tile - Worms & Pinhole Pattern, Tan Back

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Tan	50.0%	50.0%	None Detected	

Client Sample ID: 06A-091724-SV **Lab Sample ID:** **032413183-0011**

Sample Description: 808/2'x4' Ceiling Tile - Bird Tracks Pattern, Brown Back

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Tan/White	65.0%	35.0%	None Detected	

Client Sample ID: 06B-091724-SV **Lab Sample ID:** **032413183-0012**

Sample Description: 810/2'x4' Ceiling Tile - Bird Tracks Pattern, Brown Back

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Tan	50.0%	50.0%	None Detected	

Client Sample ID: 07A-091724-SV **Lab Sample ID:** **032413183-0013**

Sample Description: 808 Kitchen/Yellow Adhesive Associated With Splash Panel

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Yellow	0.0%	100.0%	None Detected	
TEM Grav. Reduction	09/23/2024	Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 07B-091724-SV **Lab Sample ID:** **032413183-0014**

Sample Description: 808 Kitchen/Yellow Adhesive Associated With Splash Panel

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	White/Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 08A-091724-SV **Lab Sample ID:** **032413183-0015**

Sample Description: 808 Kitchen/Off-White Adhesive Associated With Splash Panel

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Beige	0.0%	100.0%	None Detected	
TEM Grav. Reduction	09/23/2024	Beige	0.0%	100.0%	None Detected	

Client Sample ID: 08B-091724-SV **Lab Sample ID:** **032413183-0016**

Sample Description: 808 Kitchen/Off-White Adhesive Associated With Splash Panel

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 09A-091724-SV **Lab Sample ID:** **032413183-0017**

Sample Description: 810 Northeast Room/1/2" Drywall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Brown/Gray	4.0%	96.0%	None Detected	

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Customer ID:	ENVI54
Customer PO:	20230389.A11
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 09B-091724-SV **Lab Sample ID:** **032413183-0018**

Sample Description: 810 Mechanical Room/1/2" Drywall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Brown/Gray	5.0%	95.0%	None Detected	

Client Sample ID: 09C-091724-SV **Lab Sample ID:** **032413183-0019**

Sample Description: 808 Mechanical Room/1/2" Drywall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Brown/Gray	5.0%	95.0%	None Detected	

Client Sample ID: 10A-091724-SV **Lab Sample ID:** **032413183-0020**

Sample Description: 810 Northeast Room/Tape & Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Tan/White	20.0%	80.0%	**<1% Chrysotile**	This is a composite result of white joint compound, tan joint compound, and tape

Client Sample ID: 10B-091724-SV **Lab Sample ID:** **032413183-0021**

Sample Description: 810 Mechanical Room/Tape & Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024				Layer Not Present	

Client Sample ID: 10C-091724-SV **Lab Sample ID:** **032413183-0022**

Sample Description: 808 Mechanical Room/Tape & Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Tan/White	0.0%	100.0%	**<1% Chrysotile**	

Client Sample ID: 11A-091724-SV **Lab Sample ID:** **032413183-0023**

Sample Description: 808 East Entrance/4" Black Cove Base

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Black	0.0%	100.0%	None Detected	
TEM Grav. Reduction	09/23/2024	Black	0.0%	100.0%	None Detected	

Client Sample ID: 11B-091724-SV **Lab Sample ID:** **032413183-0024**

Sample Description: 810 @ Women's Lavatory/4" Black Cove Base

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Black	0.0%	100.0%	None Detected	

Client Sample ID: 12A-091724-SV **Lab Sample ID:** **032413183-0025**

Sample Description: 808 East Entrance/Off-White Adhesive Associated With 4" Black Cove Base

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Tan	0.0%	100.0%	None Detected	
TEM Grav. Reduction	09/23/2024	Tan	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 12B-091724-SV ***Lab Sample ID:*** **032413183-0026**

Sample Description: 810 @ Womens Lavatory/Off-White Adhesive Associated With 4" Black Cove Base

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Tan	0.0%	100.0%	None Detected	

Client Sample ID: 13A-091724-SV ***Lab Sample ID:*** **032413183-0027**

Sample Description: 810 Mechanical Room/Foil Backed Paper Wrap With Black Adhesive on Fiberglass Pipe Insulation

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Tan/Black/Silver	50.0%	50.0%	None Detected	
TEM Grav. Reduction	09/23/2024	Tan/Black/Silver	0.0%	100.0%	None Detected	

Client Sample ID: 13B-091724-SV ***Lab Sample ID:*** **032413183-0028**

Sample Description: 810 Mechanical Room/Foil Backed Paper Wrap With Black Adhesive on Fiberglass Pipe Insulation

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Tan	40.0%	60.0%	None Detected	

Client Sample ID: 14A-091724-SV ***Lab Sample ID:*** **032413183-0029**

Sample Description: 810 West Side @ Lavatories/12"x12" Floor Tile - White With Grey Mottled

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Gray/White	0.0%	100.0%	None Detected	
TEM Grav. Reduction	09/23/2024	Gray/White	0.0%	100.0%	None Detected	

Client Sample ID: 14B-091724-SV ***Lab Sample ID:*** **032413183-0030**

Sample Description: 808/810 Connecting Door/12"x12" Floor Tile - White With Grey Mottled

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	White	0.0%	100.0%	None Detected	

Client Sample ID: 15A-091724-SV ***Lab Sample ID:*** **032413183-0031**

Sample Description: 810 West Side @ Lavatories/12"x12" Floor Tile - Black With Grey Mottled

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Black	0.0%	100.0%	None Detected	
TEM Grav. Reduction	09/23/2024	Black	0.0%	100.0%	None Detected	

Client Sample ID: 15B-091724-SV ***Lab Sample ID:*** **032413183-0032**

Sample Description: 810 East Side Center/12"x12" Floor Tile - Black With Grey Mottled

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Black	0.0%	100.0%	None Detected	

Client Sample ID: 16A-091724-SV ***Lab Sample ID:*** **032413183-0033**

Sample Description: 810 West Side @ Lavatories/Yellow Adhesive Associated With 12"x12" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Yellow	0.0%	100.0%	None Detected	
TEM Grav. Reduction	09/23/2024	Yellow	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 16B-091724-SV ***Lab Sample ID:*** **032413183-0034**

Sample Description: 810 East Side Center/Yellow Adhesive Associated With 12"x12" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Yellow	0.0%	100.0%	None Detected	

Client Sample ID: 17A-091724-SV ***Lab Sample ID:*** **032413183-0035**

Sample Description: 808 South Wall/Residual Black Mastic Under 12"x12" Floor Tile & Leveling Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Black/Yellow	4.0%	94.0%	**2% Chrysotile**	Result includes a small amount of inseparable attached material

Client Sample ID: 17B-091724-SV ***Lab Sample ID:*** **032413183-0036**

Sample Description: 810 Northeast Room/Residual Black Mastic Under 12"x12" Floor Tile & Leveling Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024			Positive Stop (Not Analyzed)		

Client Sample ID: 18A-091724-SV ***Lab Sample ID:*** **032413183-0037**

Sample Description: 808/810 Connecting Door/Tan Leveling Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 18B-091724-SV ***Lab Sample ID:*** **032413183-0038**

Sample Description: 808 South Wall/Tan Leveling Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Gray/Black	0.0%	100.0%	None Detected	

Client Sample ID: 19A-091724-SV ***Lab Sample ID:*** **032413183-0039**

Sample Description: 808 Kitchen/6" Red Quarry Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Red	0.0%	100.0%	None Detected	

Client Sample ID: 19B-091724-SV ***Lab Sample ID:*** **032413183-0040**

Sample Description: 808 Kitchen/6" Red Quarry Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Red	0.0%	100.0%	None Detected	

Client Sample ID: 20A-091724-SV ***Lab Sample ID:*** **032413183-0041**

Sample Description: 808 Kitchen/Grey Grout/Thinset Associated With 6" Red Quarry Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 20B-091724-SV ***Lab Sample ID:*** **032413183-0042**

Sample Description: 808 Kitchen/Grey Grout/Thinset Associated With 6" Red Quarry Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Gray	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 21A-091724-SV **Lab Sample ID:** **032413183-0043**

Sample Description: 808 South Hall/12" Terracotta Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Gray/Red	0.0%	100.0%	None Detected	

Client Sample ID: 21B-091724-SV **Lab Sample ID:** **032413183-0044**

Sample Description: 808 South Hall/12" Terracotta Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Gray/Red	0.0%	100.0%	None Detected	

Client Sample ID: 22A-091724-SV **Lab Sample ID:** **032413183-0045**

Sample Description: 808 South Hall/Grey Grout/Thinset Associated With 12" Terracotta Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 22B-091724-SV **Lab Sample ID:** **032413183-0046**

Sample Description: 808 South Hall/Grey Grout/Thinset Associated With 12" Terracotta Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Gray/Red	0.0%	100.0%	None Detected	

Client Sample ID: 23A-091724-SV **Lab Sample ID:** **032413183-0047**

Sample Description: 808 Men's Lavatory/12" Ceramic Wall Tile - Grey

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Brown/Gray	0.0%	100.0%	None Detected	

Client Sample ID: 23B-091724-SV **Lab Sample ID:** **032413183-0048**

Sample Description: 808 Men's Lavatory/12" Ceramic Wall Tile - Grey

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Brown/Gray	0.0%	100.0%	None Detected	

Client Sample ID: 24A-091724-SV **Lab Sample ID:** **032413183-0049**

Sample Description: 808 Men's Lavatory/White Grout/Thinset Associated With 12" Ceramic Wall Tile - Grey

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Gray/White	0.0%	100.0%	None Detected	

Client Sample ID: 24B-091724-SV **Lab Sample ID:** **032413183-0050**

Sample Description: 808 Men's Lavatory/White Grout/Thinset Associated With 12" Ceramic Wall Tile - Grey

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Gray/White	0.0%	100.0%	None Detected	

Client Sample ID: 25A-091724-SV **Lab Sample ID:** **032413183-0051**

Sample Description: 808 Women's Lavatory/12" Ceramic Floor Tile - White (Tile Is Also on Walls of Women's Lavatory)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	White/Red	0.0%	100.0%	None Detected	

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Summary Test Report for Asbestos Analysis of Bulk Material

Client Sample ID: 25B-091724-SV ***Lab Sample ID:*** **032413183-0052**

Sample Description: 808 Men's Lavatory/12" Ceramic Floor Tile - White

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	White/Red	0.0%	100.0%	None Detected	

Client Sample ID: 26A-091724-SV ***Lab Sample ID:*** **032413183-0053**

Sample Description: 808 Women's Lavatory/Grey Grout/Thinset Associated With 12" Ceramic Floor Tile - White

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 26B-091724-SV ***Lab Sample ID:*** **032413183-0054**

Sample Description: 808 Men's Lavatory/Grey Grout/Thinset Associated With 12" Ceramic Floor Tile - White

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 27A-091724-SV ***Lab Sample ID:*** **032413183-0055**

Sample Description: 808 Women's Lavatory/White Grout/Thinset Associated With 12" Ceramic Wall Tile - White

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/22/2024	Gray/White	0.0%	100.0%	None Detected	

Client Sample ID: 27B-091724-SV ***Lab Sample ID:*** **032413183-0056**

Sample Description: 808 Women's Lavatory/White Grout/Thinset Associated With 12" Ceramic Wall Tile - White

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	09/23/2024	Gray/White	0.0%	100.0%	None Detected	

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Customer ID:	ENVI54
Customer PO:	20230389.A11
Project ID:	

Attn:	Carlos Texidor	Phone:	(860) 646-2469
	Fuss & O'Neill, Inc.	Fax:	
	146 Hartford Road	Collected:	9/17/2024
	Manchester, CT 06040	Received:	9/19/2024
		Analyzed:	9/23/2024

Proj: 20230389.A11/Silver Lane Plaza 808-810 Silver Lane, East Hartford Ct

The samples in this report were submitted for asbestos bulk analysis. The reference number for these samples is the Order ID above. Please use this reference number when calling about these samples.

Sample Receipt Date:	09/19/2024	Sample Receipt Time:	10:22 am
Analysis Completed Date:	09/23/2024	Analysis Completed Time:	1:03 pm

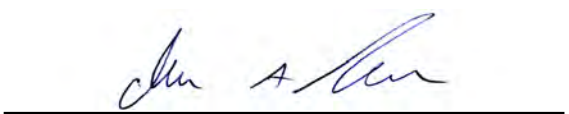
Analyst(s):

Jessica Macdonald PLM (28)

Madison Fragoso PLM (25)

Venisha Lazarus-Barnes TEM Grav. Reduction (8)

Reviewed and approved by:



Charles Johnson, Asbestos Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Long Island City, NY AIHA LAP, LLC-IHLAP Accredited #102581, NVLAP Lab Code 101048-9, CT PH-0170, MA AA000170

Appendix D

Site Photographs

ACM Exterior Cementitious Walkway Ceiling Tiles (above storefronts at both buildings)

Men's bathroom pipe chase and ACM gray mudded fittings

ACM Black original 9"x9" floor tile mastic (throughout buildings floors)

Light grey vertical caulk along exterior wall (multiple areas on single story building)

ACM Black 4-ply roof field/ flashing throughout both building roofs

810 Northeast room - ACM Dark brown glue daubs associated with 1'x1' ceiling tiles.

ACM Residual black mastic associated with floor tiles.

ACM tape & joint compound (throughout)

Appendix E

XRF Lead Determination Field Data Sheets

Exterior 794-810 & 832-850 Silver Lane, East Hartford, CT

Fuss & O'Neill 146 Hartford Road,
Manchester, CT

INSPECTION SITE:	Exterior 794-810 & 832-850 Silver Lane, East Hartford, CT
INSPECTION DATE:	5/28/2024 - 5/28/2024
INSTRUMENT TYPE:	Viken Detection Pb200i XRF Lead Paint Analyzer 2171
ACTION LEVEL:	1.0 (mg/cm²)
STATEMENT:	20230389.A11

Exterior 794-810 & 832-850 Silver Lane, East Hartford, CT

Inspection Date:	5/28/2024 - 5/28/2024	Inspection Site:	Exterior 794-810 & 832-850 Silver Lane, East Hartford, CT
Action Level:	1.0 (mg/cm²)		
Total Readings:	51		
Unit Started:	05/28/2024 08:09:13		
Unit Ended:	05/29/2024 13:28:14		

Read #	Result	Job	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition	-->Cause	Color	Lead (mg/cm²)
1 (CAL)		20230389.A11 Task 100	Calibration Device	Calibration	Calibration Device	Calibration Device					Calibration Device	0.9 mg/cm²
2 (CAL)		20230389.A11 Task 100	Calibration Device	Calibration	Calibration Device	Calibration Device					Calibration Device	1.0 mg/cm²
3 (CAL)		20230389.A11 Task 100	Calibration Device	Calibration	Calibration Device	Calibration Device					Calibration Device	1.0 mg/cm²
4 (CAL)		20230389.A11 Task 100	Calibration Device	Calibration	Calibration Device	Calibration Device					Calibration Device	0.0 mg/cm²
5 (CAL)		20230389.A11 Task 100	Calibration Device	Calibration	Calibration Device	Calibration Device					Calibration Device	0.1 mg/cm²
6 (CAL)		20230389.A11 Task 100	Calibration Device	Calibration	Calibration Device	Calibration Device					Calibration Device	0.1 mg/cm²
7	Positive	20230389.A11 Task 100	Calibration Device	Calibration	Calibration Device	Calibration Device					Calibration Device	1.0 mg/cm²
8	Positive	20230389.A11 Task 100	Calibration Device	Calibration	Calibration Device	Calibration Device					Calibration Device	1.0 mg/cm²
9	Positive	20230389.A11 Task 100	Calibration Device	Calibration	Calibration Device	Calibration Device					Calibration Device	1.0 mg/cm²
10	Positive	20230389.A11 Task 100	Building	Room	Wall	Brick	A	1	Intact	N/A	Blue	30.0 mg/cm²
11	Positive	20230389.A11 Task 100	Building	Room	Wall	Brick	A	2	Intact	N/A	Blue	21.7 mg/cm²
12	Positive	20230389.A11 Task 100	Building	Room	Wall	Brick	A	3	Intact	N/A	Blue	20.5 mg/cm²
19	Negative	20230389.A11 Task 100	Building	Room	Wall	Brick	C	4	Intact	N/A	White	0.3 mg/cm²
20	Negative	20230389.A11 Task 100	Building	Room	Wall	Brick	C	5	Intact	N/A	White	0.2 mg/cm²
21	Negative	20230389.A11 Task 100	Building	Room	Wall	Brick	C	6	Intact	N/A	White	0.2 mg/cm²
22	Negative	20230389.A11 Task 100	Building	Door	---	Metal	C	7	Intact	N/A	Khaki	0.1 mg/cm²
23	Negative	20230389.A11 Task 100	Building	Door	Frame	Metal	C	8	Intact	N/A	Grey	0.1 mg/cm²
24	Negative	20230389.A11 Task 100	Building	Door	---	Metal	C	9	Intact	N/A	White	0.2 mg/cm²
25	Negative	20230389.A11 Task 100	Building	Door	Frame	Metal	C	11	Intact	N/A	White	0.6 mg/cm²
26	Negative	20230389.A11 Task 100	Building	Door	---	Metal	C	12	Intact	N/A	Grey	0.1 mg/cm²
27	Negative	20230389.A11 Task 100	Building	Door	Frame	Metal	C	13	Intact	N/A	White	0.6 mg/cm²
28	Negative	20230389.A11 Task 100	Building	Door	---	Metal	C	14	Intact	N/A	Sand	0.1 mg/cm²
29	Negative	20230389.A11 Task 100	Building	Door	Frame	Metal	C	15	Intact	N/A	Sand	0.7 mg/cm²
30	Negative	20230389.A11 Task 100	Building	Door	---	Metal	C	16	Intact	N/A	White	0.1 mg/cm²
31	Negative	20230389.A11 Task 100	Building	Door	Frame	Metal	C	17	Intact	N/A	White	0.7 mg/cm²

Exterior 794-810 & 832-850 Silver Lane, East Hartford, CT

Inspection Date:	5/28/2024 - 5/28/2024	Inspection Site:	Exterior 794-810 & 832-850 Silver Lane, East Hartford, CT
Action Level:	1.0 (mg/cm²)		
Total Readings:	51		
Unit Started:	05/28/2024 08:09:13		
Unit Ended:	05/29/2024 13:28:14		

Read #	Result	Job	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition	-->Cause	Color	Lead (mg/cm²)
32	Negative	20230389.A11 Task 100	Building	Support Column	---	Metal	A	18	Intact	N/A	Black	0.2 mg/cm²
33	Negative	20230389.A11 Task 100	Building	Downspout		Metal	A	19	Intact	N/A	Black	0.1 mg/cm²
34	Negative	20230389.A11 Task 100	Building	Support Column	---	Metal	A	20	Intact	N/A	Black	0.3 mg/cm²
35	Negative	20230389.A11 Task 100	Building	Downspout		Metal	A	21	Intact	N/A	Black	0.1 mg/cm²
36	Positive	20230389.A11 Task 100	Building	Support Column		Metal	A	22	Intact	N/A	Black	1.5 mg/cm²
37	Negative	20230389.A11 Task 100	Building	Window	Frame	Metal	C	23	Intact	N/A	White	0.1 mg/cm²
38	Negative	20230389.A11 Task 100	Building	Window	Frame	Metal	C	24	Intact	N/A	White	0.2 mg/cm²
39	Negative	20230389.A11 Task 100	Building	Room	Wall	Metal	A	25	Intact	N/A	White	0.2 mg/cm²
40	Negative	20230389.A11 Task 100	Building	Room	Wall	Metal	A	26	Intact	N/A	White	0.2 mg/cm²
41	Negative	20230389.A11 Task 100	Building	Room	Wall	Metal	A	27	Intact	N/A	White	0.3 mg/cm²
42	Negative	20230389.A11 Task 100	Building	Support Column	---	Metal	A	28	Intact	N/A	Black	0.2 mg/cm²
43	Negative	20230389.A11 Task 100	Building	Support Column	---	Metal	A	29	Intact	N/A	Black	0.3 mg/cm²
44	Negative	20230389.A11 Task 100	Building	Support Column	---	Metal	A	30	Intact	N/A	Black	0.2 mg/cm²
45	Negative	20230389.A11 Task 100	Building	Door	---	Metal	C	31	Intact	N/A	Black	0.2 mg/cm²
46	Negative	20230389.A11 Task 100	Building	Door	Frame	Metal	C	32	Intact	N/A	Black	0.1 mg/cm²
47	Negative	20230389.A11 Task 100	Building	Door	---	Metal	C	33	Intact	N/A	Lt. Brown	0.1 mg/cm²
48	Negative	20230389.A11 Task 100	Building	Door	Frame	Metal	C	34	Intact	N/A	Black	0.1 mg/cm²
49	Negative	20230389.A11 Task 100	Building	Door	---	Metal	C	35	Deteriorated	Weathering	Lt. Brown	0.2 mg/cm²
50	Negative	20230389.A11 Task 100	Building	Door	Frame	Metal	C	36	Intact		Black	0.1 mg/cm²
51	Negative	20230389.A11 Task 100	Building	Door	---	Metal	C	37	Intact		Black	0.1 mg/cm²
52	Negative	20230389.A11 Task 100	Building	Door	Frame	Metal	C	38	Intact		Black	0.4 mg/cm²
53	Negative	20230389.A11 Task 100	Building	Door	---	Metal	C	39	Deteriorated	Weathering	Black	0.1 mg/cm²
54	Negative	20230389.A11 Task 100	Building	Door	Frame	Metal	C	40	Deteriorated	Weathering	Black	0.2 mg/cm²
55	Positive	20230389.A11 Task 100	Calibration Device	Calibration	Calibration Device	Calibration Device		41			Calibration Device	1.0 mg/cm²
56	Positive	20230389.A11 Task 100	Calibration Device	Calibration	Calibration Device	Calibration Device		41			Calibration Device	1.0 mg/cm²

Exterior 794-810 & 832-850 Silver Lane, East Hartford, CT

Inspection Date:	5/28/2024 - 5/28/2024	Inspection Site:	Exterior 794-810 & 832-850 Silver Lane, East Hartford, CT
Action Level:	1.0 (mg/cm²)		
Total Readings:	51		
Unit Started:	05/28/2024 08:09:13		
Unit Ended:	05/29/2024 13:28:14		

Read #	Result	Job	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition-->Cause	Color	Lead (mg/cm²)
57	Positive	20230389.A11 Task 100	Calibration Device	Calibration	Calibration Device	Calibration Device	41			Calibration Device	1.0 mg/cm²

------ END OF READINGS ------

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Prepared By	Date	Checked By	Date	Project No

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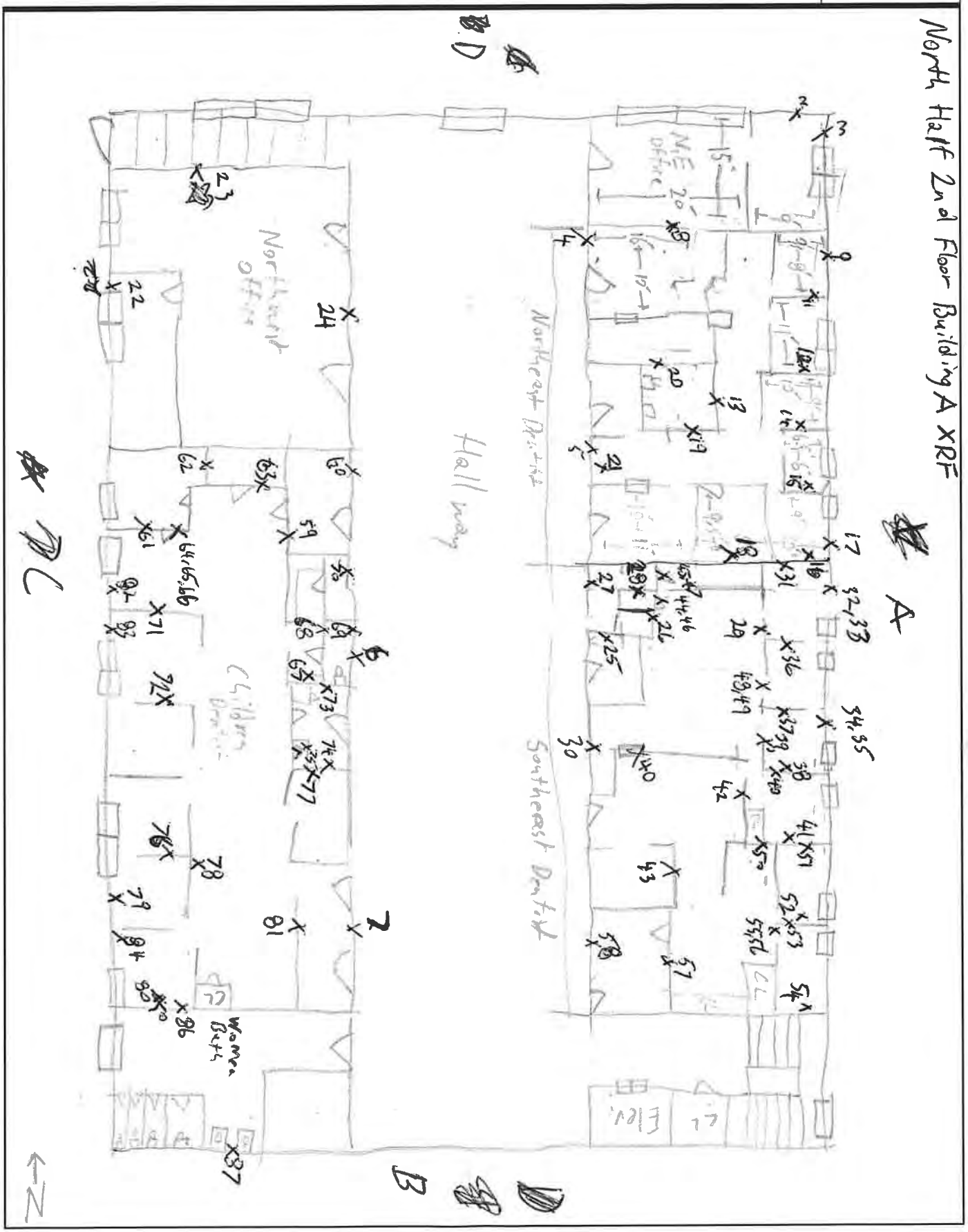
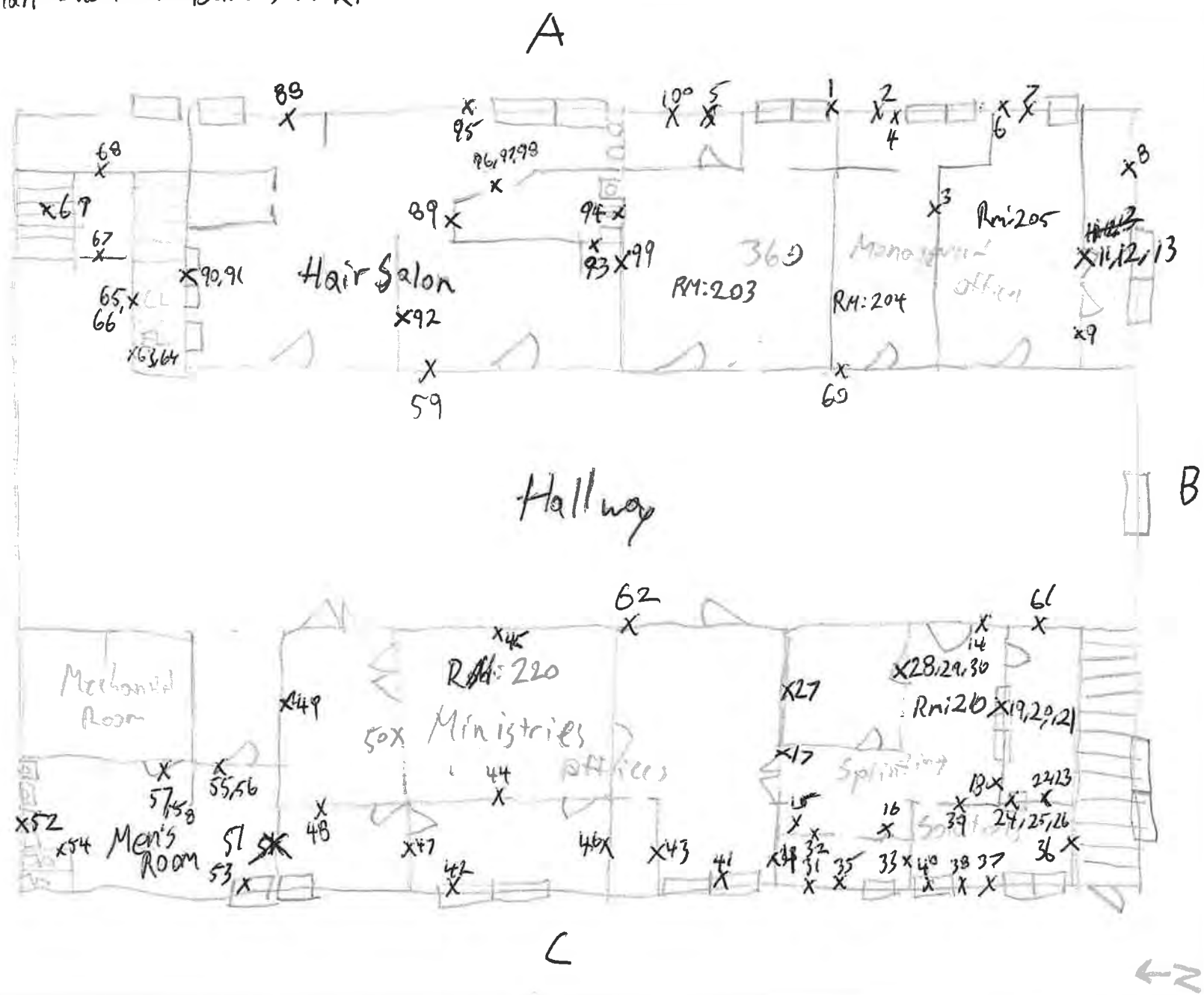
of

North Half 2nd Floor Building A XRF



South Half 2nd Floor Building A XRF



Project No	Sheet No of
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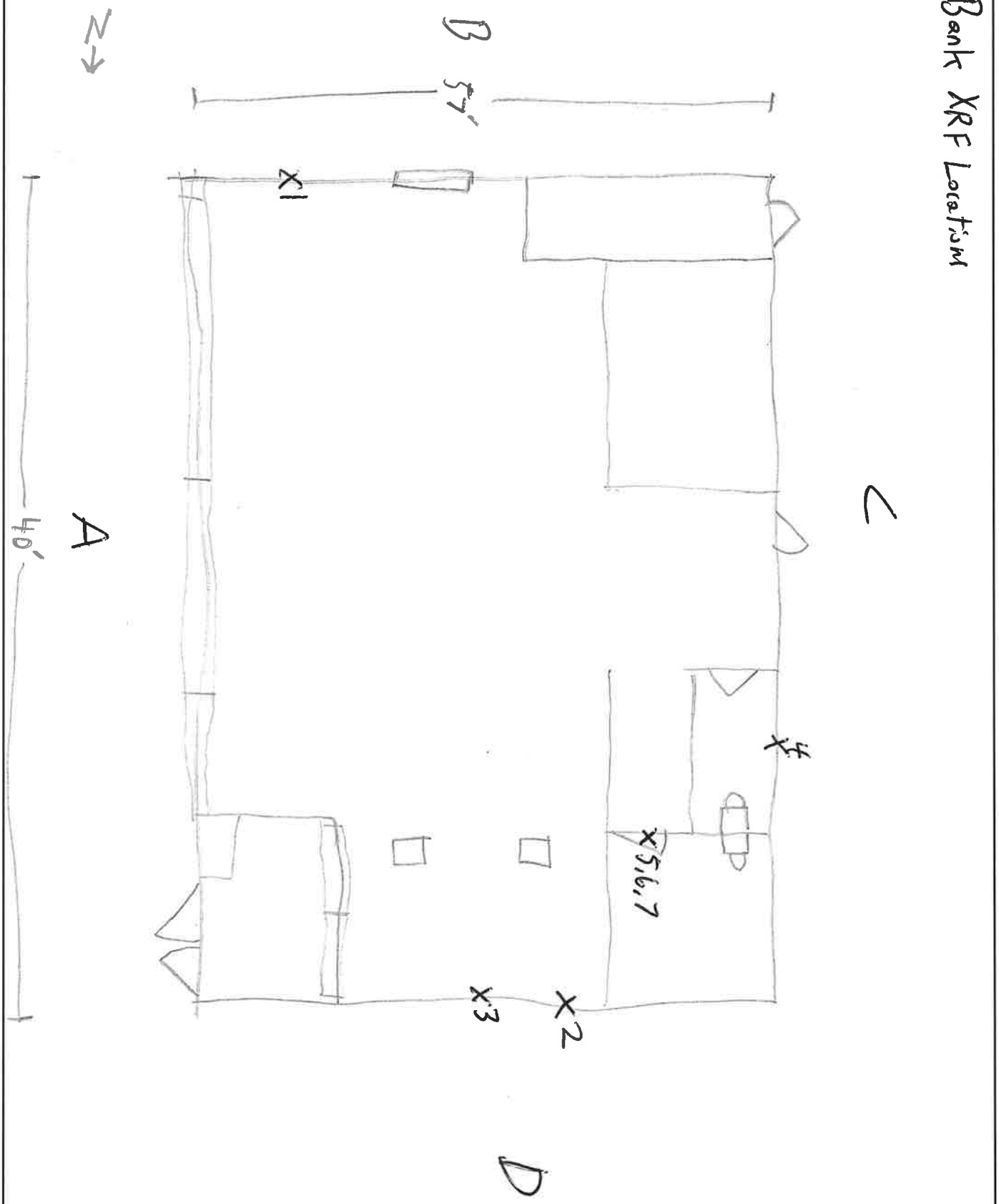
Prepared By	Date	Checked By	Date	Project No

Sheet No
of

Bank XRF Location



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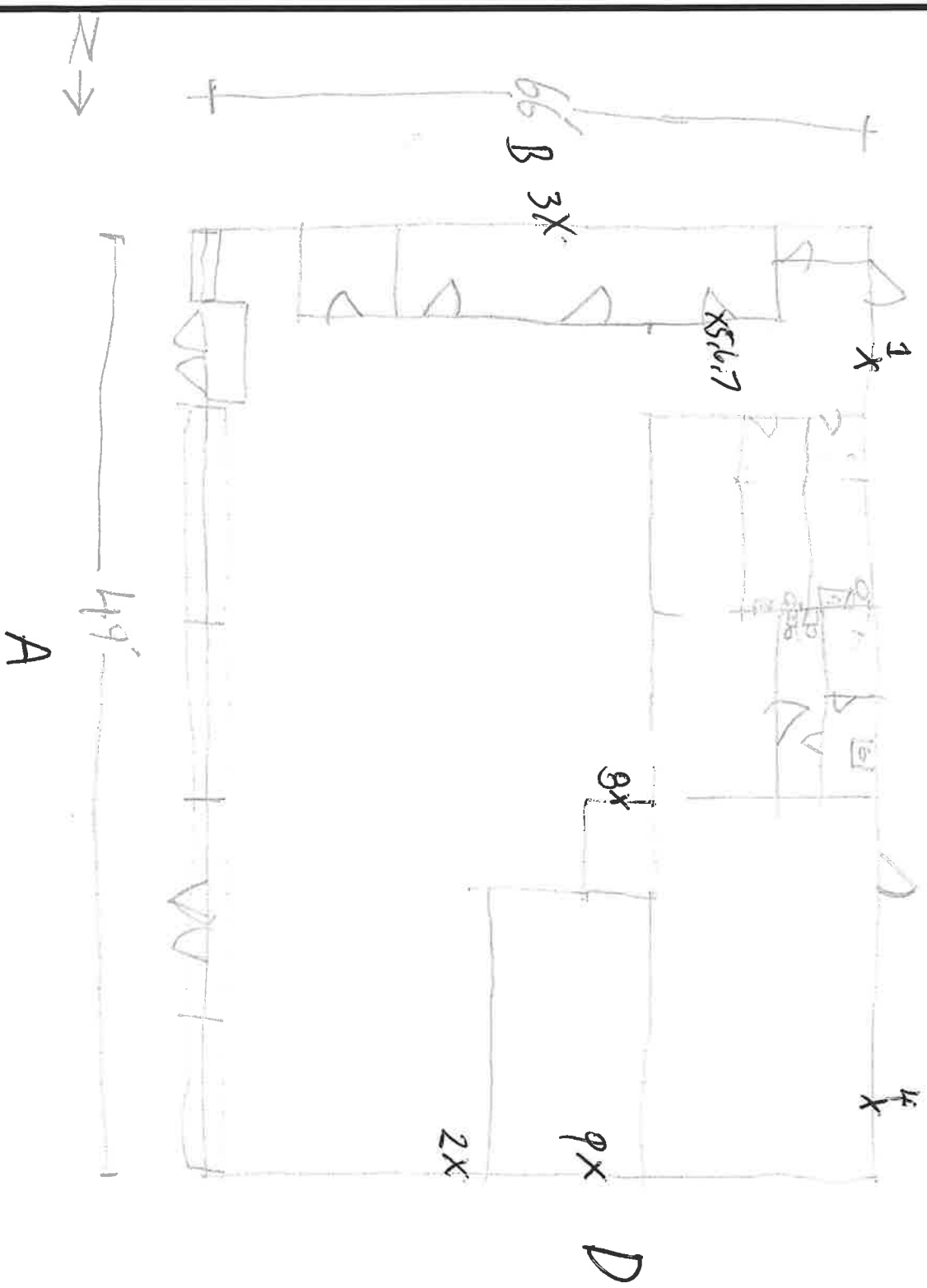
Prepared By	Date	Checked By	Date	Project No

Sheet No
of

Toby's XRF Locations



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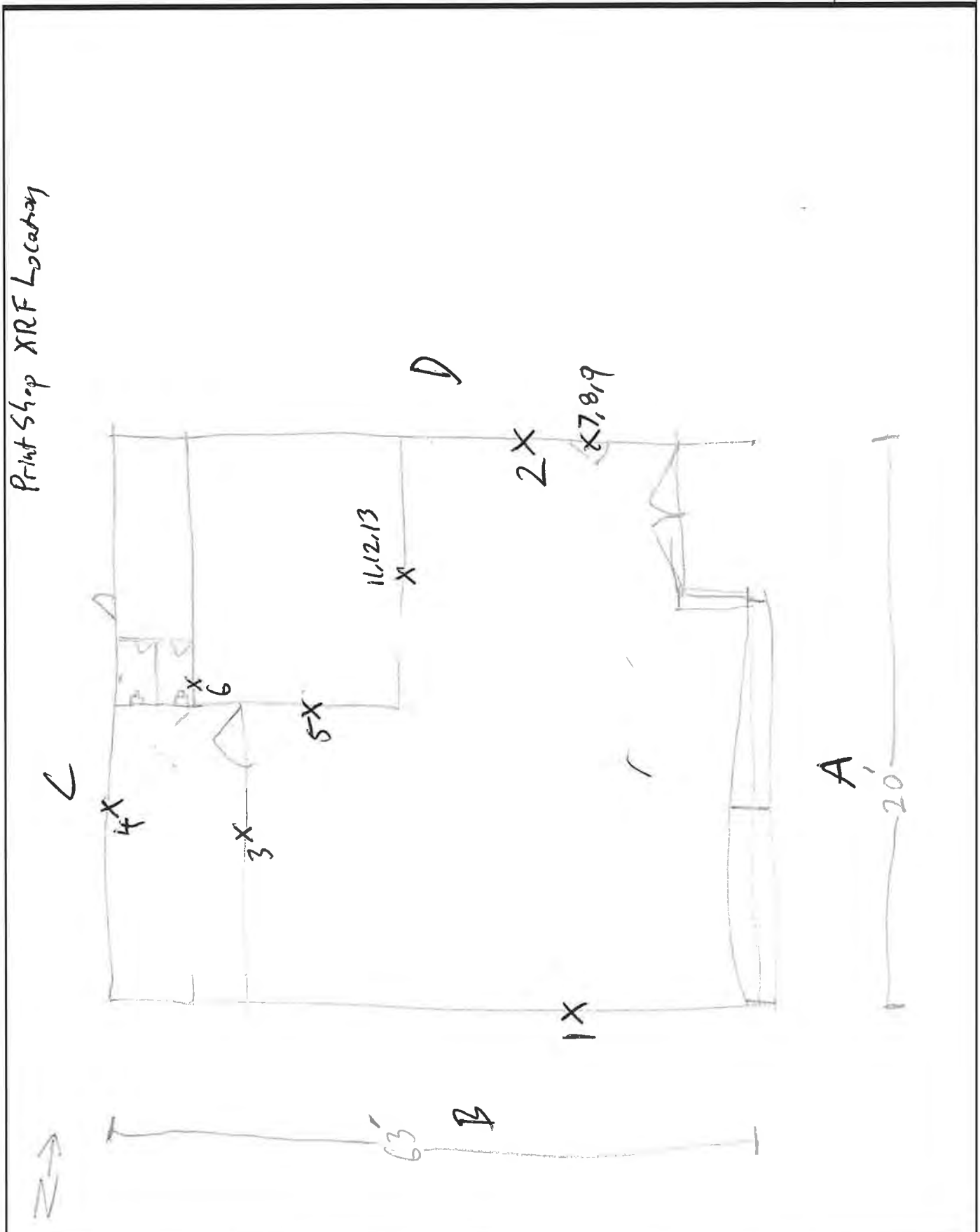
Sheet No
of



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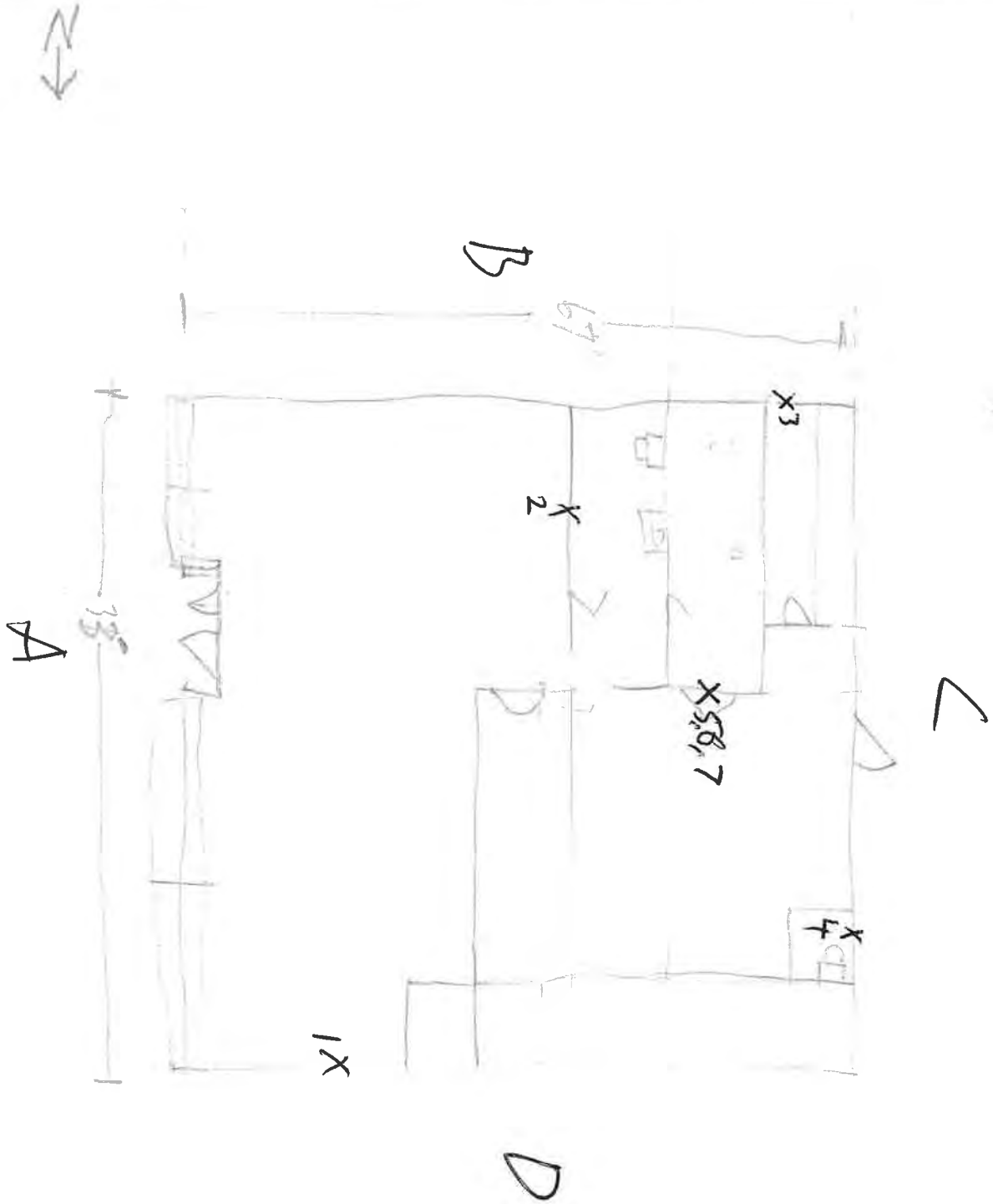
Sheet No
of

Hair Design School XRF Locations



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Prepared By	Date	Checked By	Date	Project No

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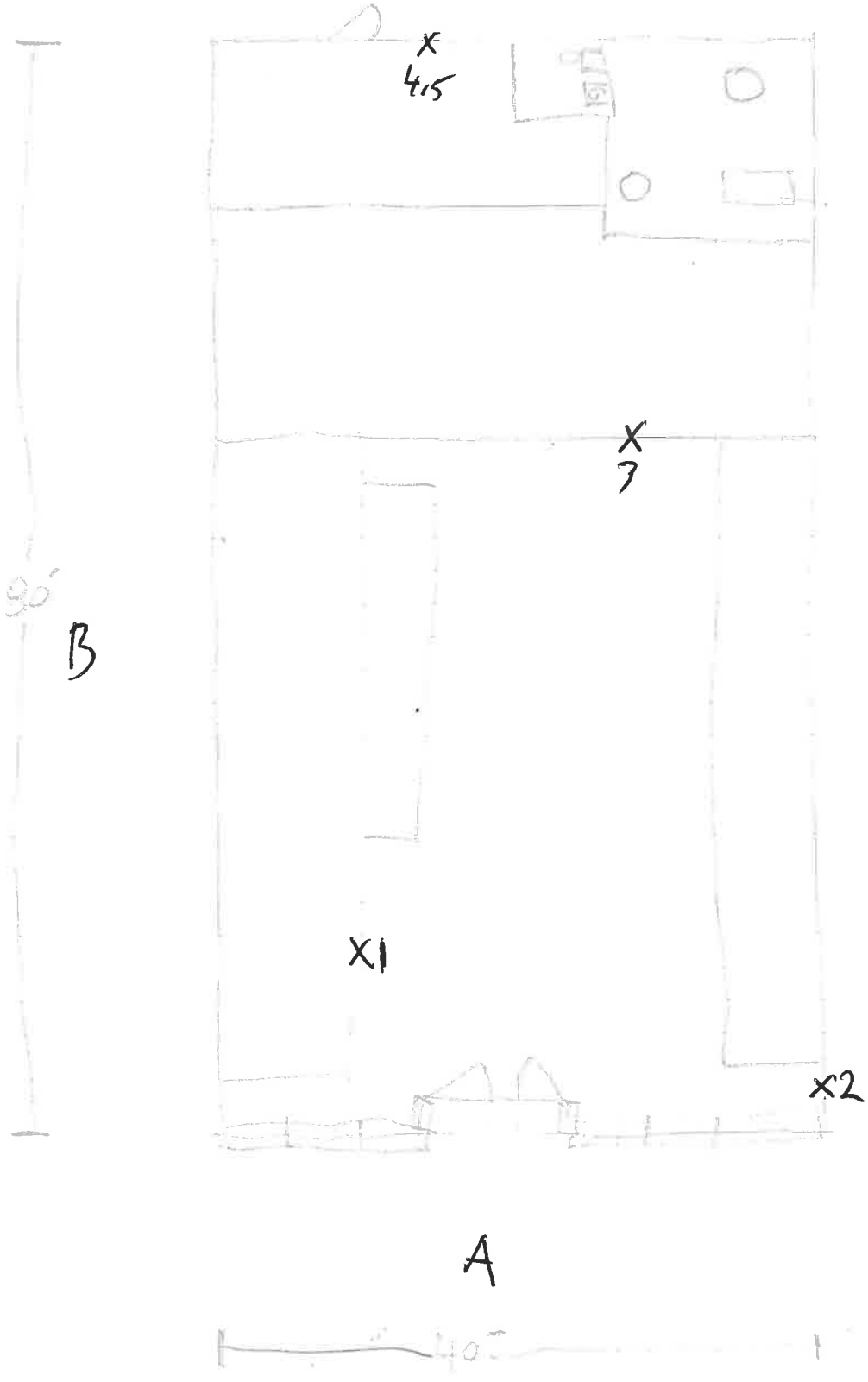
Dry Cleaners XRF



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Prepared By	Date	Checked By	Date	Project No

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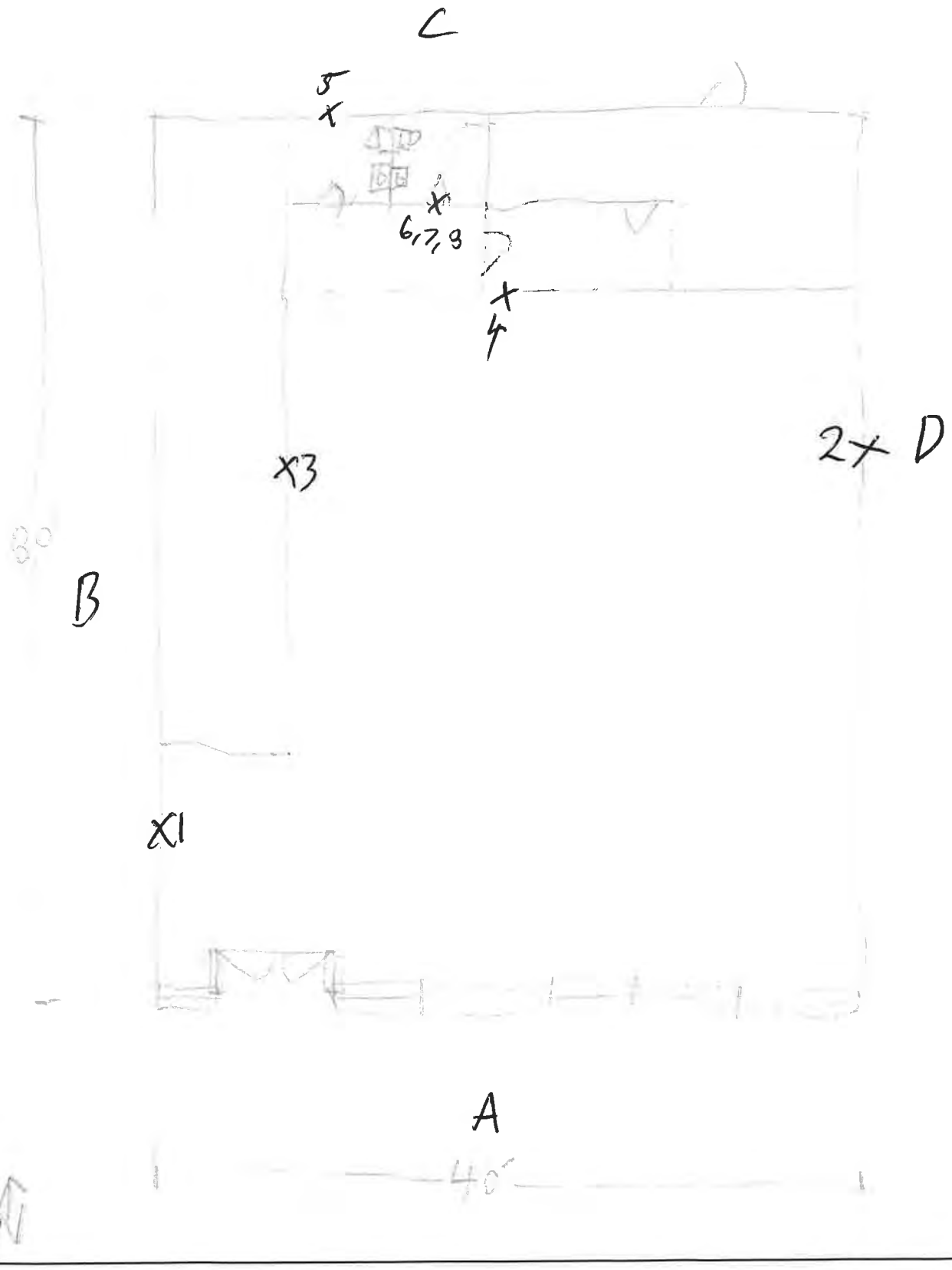
Pho Restaurant XRF Locations



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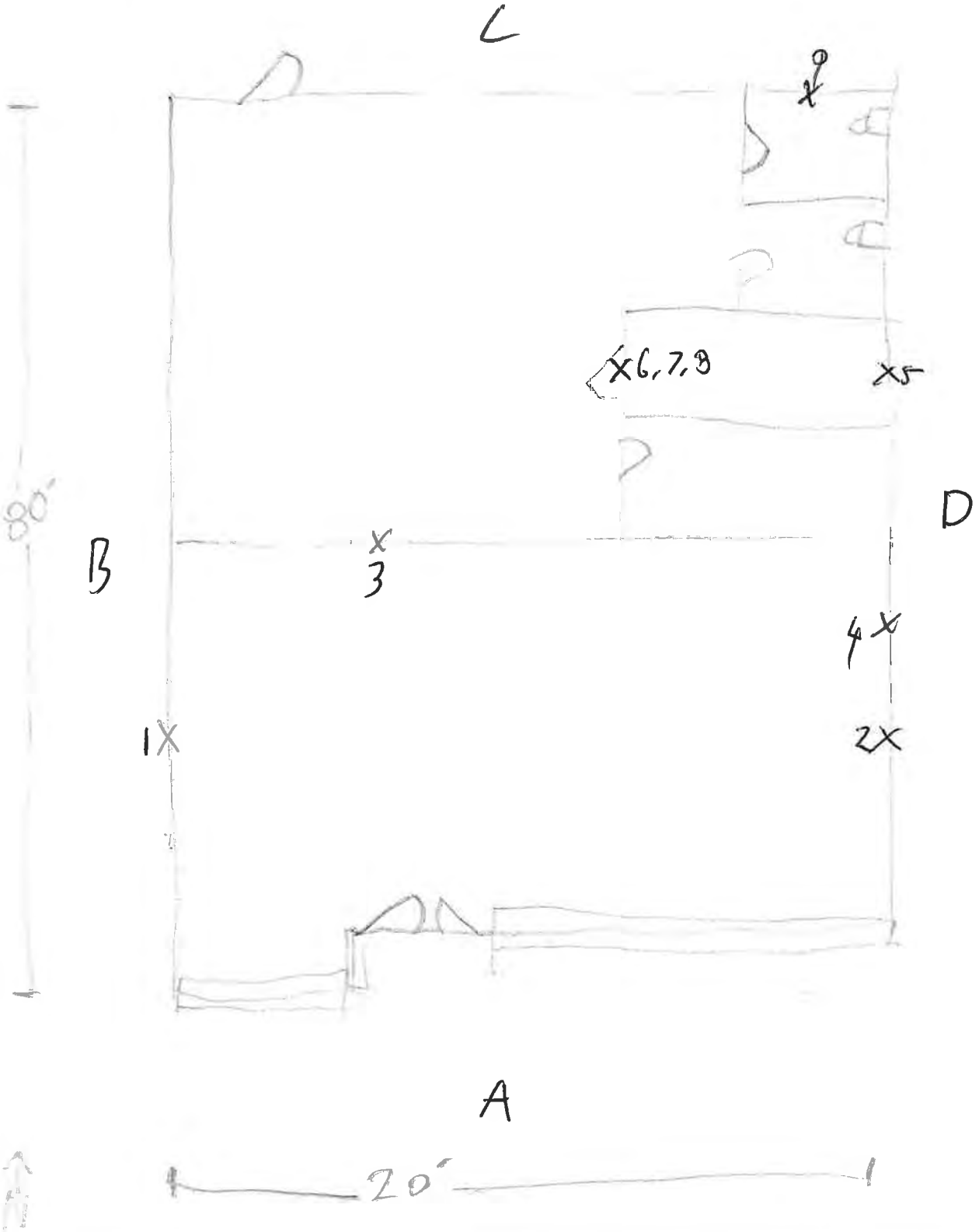
of

Nail Salon XRF Location



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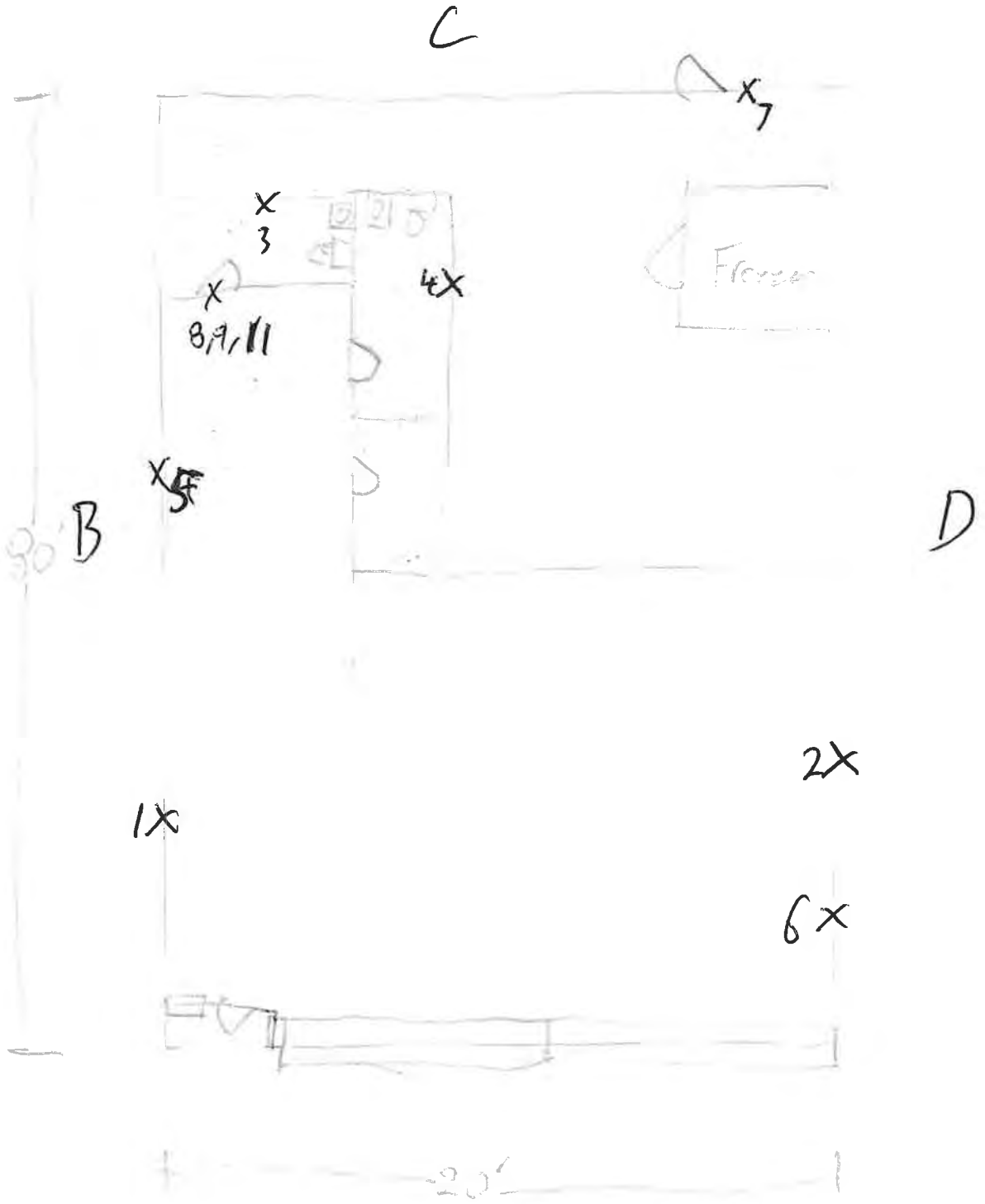
Chinese Food XRF Locatio



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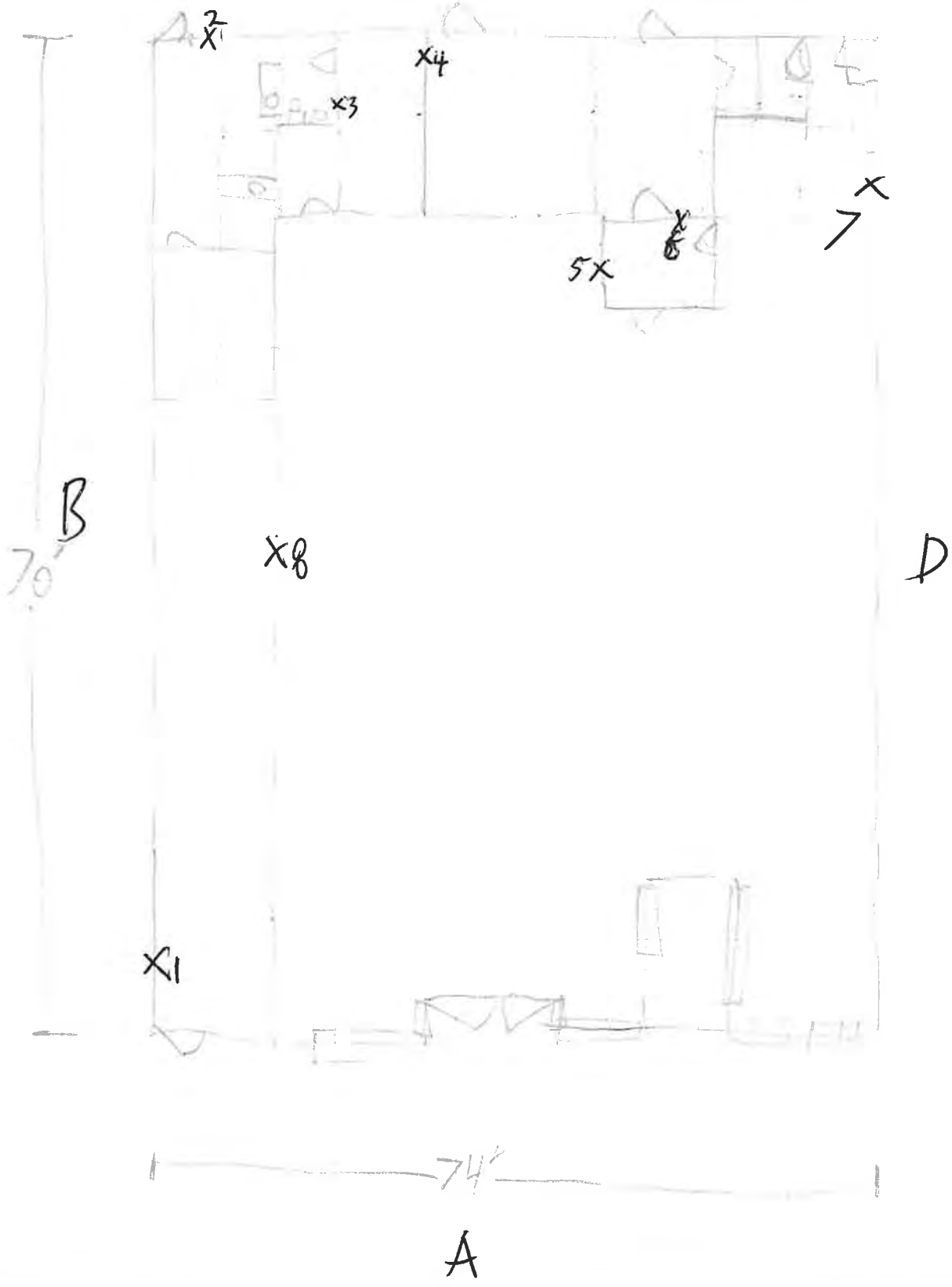
Sheet No
of

Appliance Store XRF Locations



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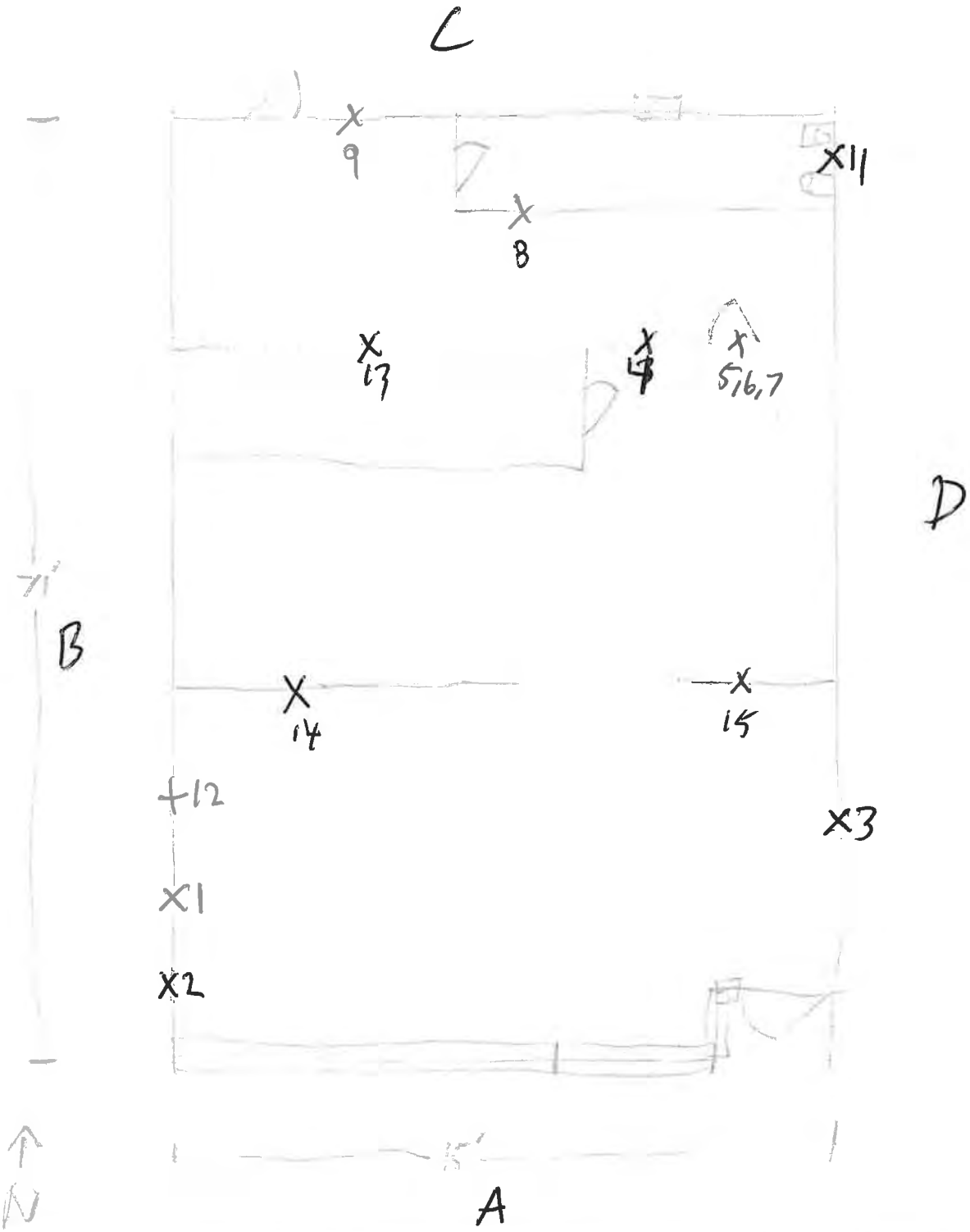
Sheet No
of

Barber Shop XRF Locatn



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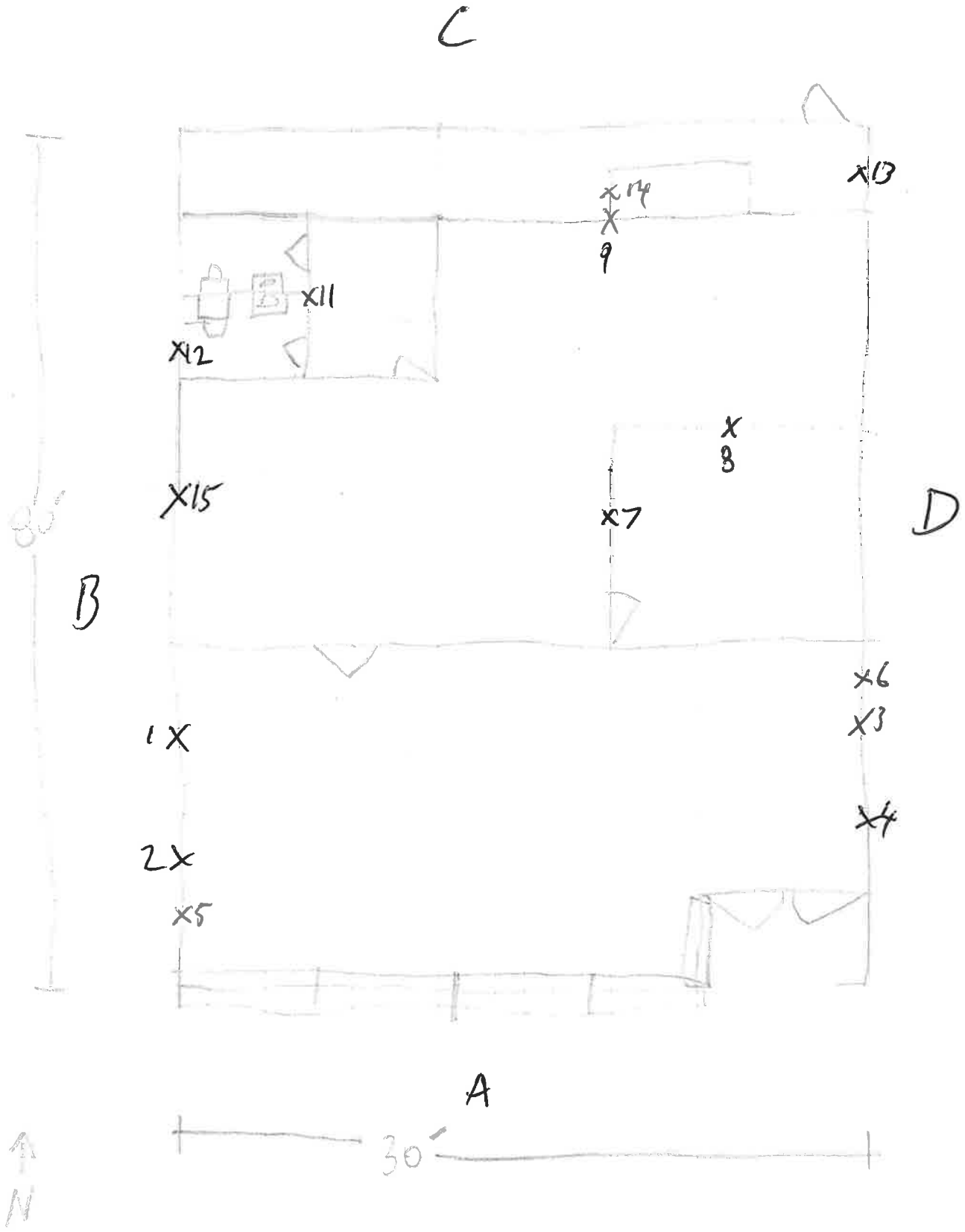
of

Michelle's Kitchen



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Interior 794-810 & 832-850 Silver Lane, East Hartford, CT

Fuss & O'Neill 146 Hartford Road,
Manchester, CT

INSPECTION SITE:	794-810 & 832-850 Silver Lane, East Hartford, CT
INSPECTION DATE:	6/4/2024 - 6/7/2024
INSTRUMENT TYPE:	Viken Detection Pb200i XRF Lead Paint Analyzer 2171
ACTION LEVEL:	1.0 (mg/cm²)
STATEMENT:	20230389.A11

Interior 794-810 & 832-850 Silver Lane, East Hartford, CT

Inspection Date:	6/4/2024 - 6/7/2024	Inspection Site:	794-810 & 832-850 Silver Lane, East Hartford, CT
Action Level:	1.0 (mg/cm²)		
Total Readings:	334		
Unit Started:	06/04/2024 08:10:42		
Unit Ended:	06/07/2024 12:13:26		

Read #	Result	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition-->Cause	Color	Lead (mg/cm²)
1 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device		41		Calibration Device	1.0 mg/cm²
2 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device		41		Calibration Device	0.9 mg/cm²
3 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device		41		Calibration Device	1.0 mg/cm²
4 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device		41		Calibration Device	0.0 mg/cm²
5 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device		41		Calibration Device	0.1 mg/cm²
6 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device		41		Calibration Device	0.1 mg/cm²
7	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device		1		Calibration Device	1.0 mg/cm²
8	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device		1		Calibration Device	1.0 mg/cm²
9	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device		1		Calibration Device	1.0 mg/cm²
10	Negative	Apartment	Northeast Room 2nd Floor	Room	Wall	Drywall	D	2	Intact	White	0.2 mg/cm²
11	Negative	Apartment	Northeast Room 2nd Floor	Room	Wall	Drywall	A	3	Intact	White	0.2 mg/cm²
12	Negative	Apartment	Hallway	Room	Wall	Drywall	A	4	Intact	White	0.2 mg/cm²
13	Negative	Apartment	Hallway	Room	Wall	Drywall	A	5	Intact	White	0.2 mg/cm²
14	Negative	Apartment	Hallway	Room	Wall	Drywall	C	6	Intact	White	0.2 mg/cm²
15	Negative	Apartment	Hallway	Room	Wall	Drywall	C	7	Intact	White	0.3 mg/cm²
16	Negative	Apartment	Northeast Dentist Office	Room	Wall	Drywall	D	8	Intact	White	0.2 mg/cm²
17	Negative	Apartment	Northeast Dentist Office	Room	Wall	Drywall	A	9	Intact	White	0.3 mg/cm²
18	Negative	Apartment	Northeast Dentist Office	Room	Wall	Drywall	A	11	Intact	Light Blue	0.0 mg/cm²
19	Negative	Apartment	Northeast Dentist Office	Room	Wall	Drywall	B	12	Intact	Light Blue	0.2 mg/cm²
20	Negative	Apartment	Northeast Dentist Office	Room	Wall	Drywall	C	13	Intact	Cream	0.1 mg/cm²
21	Negative	Apartment	Northeast Dentist Office	Room	Wall	Drywall	B	14	Intact	White	0.1 mg/cm²
22	Negative	Apartment	Northeast Dentist Office	Room	Wall	Drywall	B	15	Intact	Light Yellow	0.1 mg/cm²
23	Negative	Apartment	Northeast Dentist Office	Room	Wall	Drywall	B	16	Intact	Light Yellow	0.1 mg/cm²
24	Negative	Apartment	Northeast Dentist Office	Room	Wall	Drywall	A	17	Intact	Yellow	0.3 mg/cm²

Interior 794-810 & 832-850 Silver Lane, East Hartford, CT

Inspection Date:	6/4/2024 - 6/7/2024	Inspection Site:	794-810 & 832-850 Silver Lane, East Hartford, CT
Action Level:	1.0 (mg/cm²)		
Total Readings:	334		
Unit Started:	06/04/2024 08:10:42		
Unit Ended:	06/07/2024 12:13:26		

Read #	Result	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition	-->Cause	Color	Lead (mg/cm²)
25	Negative	Apartment	Northeast Dentist Office	Room	Wall	Drywall	B	16	Intact		Yellow	0.1 mg/cm²
26	Negative	Apartment	Northeast Dentist Office	Room	Wall	Drywall	B	18	Intact		Cream	0.1 mg/cm²
27	Negative	Apartment	Northeast Dentist Office	Room	Wall	Drywall	D	19	Intact		White	0.2 mg/cm²
28	Negative	Apartment	Northeast Dentist Office	Room	Wall	Drywall	D	20	Intact		Cream	0.1 mg/cm²
29	Negative	Apartment	Northeast Dentist Office	Room	Wall	Drywall	C	21	Intact		White	0.2 mg/cm²
30	Negative	Apartment	Northwest Office	Room	Wall	Drywall	C	22	Intact		White	0.3 mg/cm²
31	Negative	Apartment	Northwest Office	Room	Wall	Drywall	D	23	Intact		White	0.0 mg/cm²
32	Negative	Apartment	Northwest Office	Room	Wall	Drywall	A	24	Intact		White	0.2 mg/cm²
33	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device		1	Intact	N/A	Calibration Device	1.0 mg/cm²
34	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device		1	Intact	N/A	Calibration Device	1.0 mg/cm²
35	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device		1	Intact	N/A	Calibration Device	1.0 mg/cm²
36	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	D	25	Intact	N/A	White	0.2 mg/cm²
37	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	C	26	Intact	N/A	White	0.2 mg/cm²
38	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	C	27	Intact	N/A	Wallpaper	0.1 mg/cm²
39	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	D	28	Intact	N/A	Black	0.1 mg/cm²
40	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	A	29	Intact	N/A	Light Pink	0.1 mg/cm²
41	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	C	30	Intact	N/A	Light Pink	0.1 mg/cm²
42	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	D	31	Intact	N/A	White	0.2 mg/cm²
45	Negative	Apartment	Southeast Dentist Office	Room	Baseboard	Metal	A	33	Intact	N/A	Blue	0.3 mg/cm²
47	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	A	32	Intact	N/A	Blue	0.4 mg/cm²
48	Negative	Apartment	Southeast Dentist Office	Room	Baseboard	Metal	A	34	Intact	N/A	Blue	0.2 mg/cm²
50	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	A	35	Intact	N/A	Blue	0.3 mg/cm²

Interior 794-810 & 832-850 Silver Lane, East Hartford, CT

Inspection Date: 6/4/2024 - 6/7/2024
Action Level: 1.0 (mg/cm²)
Total Readings: 334
Unit Started: 06/04/2024 08:10:42
Unit Ended: 06/07/2024 12:13:26

Inspection Site: 794-810 & 832-850 Silver Lane, East Hartford, CT

Read #	Result	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition	-->Cause	Color	Lead (mg/cm²)
51	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	D	36	Intact	N/A	White	0.2 mg/cm²
52	Positive	Apartment	Southeast Dentist Office	Room	Wall	Drywall	D	37	Intact	N/A	White	10.9 mg/cm²
56	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	B	38	Intact	N/A	White	0.1 mg/cm²
57	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	C	39	Intact	N/A	White	0.2 mg/cm²
58	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	D	40	Intact	N/A	White	0.2 mg/cm²
59	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	B	41	Intact	N/A	Green	0.1 mg/cm²
60	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	A	42	Intact	N/A	White	0.1 mg/cm²
61	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	B	43	Intact	N/A	White	0.2 mg/cm²
62	Negative	Apartment	Southeast Dentist Office	Door	---	Wood	C	44	Intact	N/A	Mint Green	0.2 mg/cm²
63	Negative	Apartment	Southeast Dentist Office	Door	---	Wood	C	45	Intact	N/A	Mint Green	0.0 mg/cm²
64	Negative	Apartment	Southeast Dentist Office	Door	Casing	Wood	C	46	Intact	N/A	Mint Green	0.1 mg/cm²
66	Negative	Apartment	Southeast Dentist Office	Door	Casing	Metal	C	47	Intact	N/A	Mint Green	0.2 mg/cm²
67	Negative	Apartment	Southeast Dentist Office	Door	Casing	Metal	A	48	Intact	N/A	Mint Green	0.1 mg/cm²
68	Negative	Apartment	Southeast Dentist Office	Door	---	Wood	A	48	Intact	N/A	Mint Green	0.0 mg/cm²
69	Negative	Apartment	Southeast Dentist Office	Door	Casing	Wood	A	49	Intact	N/A	Mint Green	0.1 mg/cm²
70	Negative	Apartment	Southeast Dentist Office	Window	Frame	Wood	D	50	Intact	N/A	Mint Green	0.0 mg/cm²
71	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	D	51	Intact	N/A	White	0.1 mg/cm²
73	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	B	52	Intact	N/A	Light Pink	0.2 mg/cm²
74	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	D	53	Intact	N/A	Light Pink	0.2 mg/cm²
75	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	D	54	Intact	N/A	White	0.1 mg/cm²
76	Negative	Apartment	Southeast Dentist Office	Door	---	Wood	A	55	Intact	N/A	Mint Green	0.0 mg/cm²

Interior 794-810 & 832-850 Silver Lane, East Hartford, CT

Inspection Date:	6/4/2024 - 6/7/2024	Inspection Site:	794-810 & 832-850 Silver Lane, East Hartford, CT
Action Level:	1.0 (mg/cm²)		
Total Readings:	334		
Unit Started:	06/04/2024 08:10:42		
Unit Ended:	06/07/2024 12:13:26		

Read #	Result	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition	-->Cause	Color	Lead (mg/cm²)
77	Negative	Apartment	Southeast Dentist Office	Door	Casing	Wood	A	56	Intact	N/A	Mint Green	0.0 mg/cm²
78	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	A	57	Intact	N/A	White	0.2 mg/cm²
79	Negative	Apartment	Southeast Dentist Office	Room	Wall	Drywall	A	58	Intact	N/A	White	0.2 mg/cm²
80	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	C	59	Intact	N/A	Dark Yellow	0.2 mg/cm²
81	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	A	60	Intact	N/A	Dark Yellow	0.2 mg/cm²
82	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	D	61	Intact	N/A	Pink	0.1 mg/cm²
83	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	A	62	Intact	N/A	Pink	0.1 mg/cm²
84	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	B	63	Intact	N/A	Pink	0.1 mg/cm²
85	Negative	Apartment	Children Dentist Office	Door	---	Wood	B	64	Intact	N/A	White	0.1 mg/cm²
86	Negative	Apartment	Children Dentist Office	Door	Casing	Wood	B	65	Intact	N/A	White	0.1 mg/cm²
87	Negative	Apartment	Children Dentist Office	Door	Frame	Wood	B	66	Intact	N/A	White	0.1 mg/cm²
90	Negative	Apartment	Children Dentist Office	Room	Wall	Wood	A	69	Intact	N/A	Light Aqua	0.1 mg/cm²
91	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	A	69	Intact	N/A	Light Aqua	0.2 mg/cm²
92	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	B	67	Intact	N/A	White	0.1 mg/cm²
93	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	A	68	Intact	N/A	White	0.1 mg/cm²
94	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	A	70	Intact	N/A	White	0.0 mg/cm²
95	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	D	71	Intact	N/A	Neon Blue	0.2 mg/cm²
96	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	B	72	Intact	N/A	White	0.1 mg/cm²
97	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	D	73	Intact	N/A	Mint Green	0.1 mg/cm²
98	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	B	74	Intact	N/A	Mint Green	0.0 mg/cm²
99	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	A	75	Intact	N/A	Black	0.0 mg/cm²
100	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	B	76	Intact	N/A	White	0.1 mg/cm²
101	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	D	77	Intact	N/A	White	0.1 mg/cm²
102	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	C	78	Intact	N/A	Neon Blue	0.1 mg/cm²
103	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	C	79	Intact	N/A	Neon Blue	0.2 mg/cm²

Interior 794-810 & 832-850 Silver Lane, East Hartford, CT

Inspection Date:	6/4/2024 - 6/7/2024	Inspection Site:	794-810 & 832-850 Silver Lane, East Hartford, CT
Action Level:	1.0 (mg/cm²)		
Total Readings:	334		
Unit Started:	06/04/2024 08:10:42		
Unit Ended:	06/07/2024 12:13:26		

Read #	Result	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition	-->Cause	Color	Lead (mg/cm²)
104	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	B	80	Intact	N/A	White	0.2 mg/cm²
107	Negative	Apartment	Children Dentist Office	Room	Wall	Drywall	A	81	Intact	N/A	White	0.2 mg/cm²
108	Negative	Apartment	Children Dentist Office	Room	Baseboard	Metal	C	82	Intact	N/A	Pink	0.2 mg/cm²
109	Negative	Apartment	Children Dentist Office	Room	Baseboard	Metal	C	83	Intact	N/A	White	0.2 mg/cm²
110	Negative	Apartment	Children Dentist Office	Room	Baseboard	Metal	C	84	Intact	N/A	White	0.2 mg/cm²
111	Negative	Apartment	2nd Floor Women's Bathroom	Room	Baseboard	Metal	C	85	Intact	N/A	White	0.1 mg/cm²
112	Negative	Apartment	2nd Floor Women's Bathroom	Room	Wall	Drywall	D	86	Intact	N/A	White	0.2 mg/cm²
113	Negative	Apartment	2nd Floor Women's Bathroom	Room	Wall	Drywall	B	87	Intact	N/A	White	0.2 mg/cm²
114	Negative	Apartment	Hair Salon	Room	Wall	Drywall	A	88	Intact	N/A	Light Purple	0.2 mg/cm²
115	Negative	Apartment	Hair Salon	Room	Wall	Drywall	B	89	Intact	N/A	Light Purple	0.2 mg/cm²
116	Negative	Apartment	Hair Salon	Room	Wall	Drywall	D	90	Intact	N/A	Light Purple	0.2 mg/cm²
117	Negative	Apartment	Hair Salon	Room	Wall	Drywall	D	91	Intact	N/A	Cream	0.1 mg/cm²
118	Negative	Apartment	Hair Salon	Room	Wall	Drywall	D	92	Intact	N/A	Cream	0.1 mg/cm²
119	Negative	Apartment	Hair Salon	Room	Wall	Drywall	A	93	Intact	N/A	Cream	0.2 mg/cm²
120	Negative	Apartment	Hair Salon	Room	Wall	Drywall	B	94	Intact	N/A	Cream	0.1 mg/cm²
121	Negative	Apartment	Hair Salon	Room	Baseboard	Metal	A	95	Intact	N/A	White	0.0 mg/cm²
122	Negative	Apartment	Hair Salon	Door	---	Wood	B	96	Intact	N/A	Violet	0.1 mg/cm²
123	Negative	Apartment	Hair Salon	Door	Jamb	Wood	B	97	Intact	N/A	White	0.1 mg/cm²
124	Negative	Apartment	Hair Salon	Door	Frame	Wood	B	98	Intact	N/A	White	0.2 mg/cm²
125	Negative	Apartment	Room 203	Room	Wall	Drywall	D	99	Intact	N/A	White	0.2 mg/cm²
126	Negative	Apartment	Room 203	Room	Wall	Drywall	A	100	Intact	N/A	White	0.2 mg/cm²
127	Negative	Apartment	Room 203	Room	Wall	Drywall	A	1	Intact	N/A	White	0.3 mg/cm²
128	Negative	Apartment	Room 204	Room	Wall	Drywall	A	2	Intact	N/A	White	0.2 mg/cm²
129	Negative	Apartment	Room 204	Room	Wall	Drywall	B	3	Intact	N/A	White	0.1 mg/cm²
130	Negative	Apartment	Room 204	Room	Baseboard	Metal	A	4	Intact	N/A	White	0.1 mg/cm²

Interior 794-810 & 832-850 Silver Lane, East Hartford, CT

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Read #	Result	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition	-->Cause	Color	Lead (mg/cm²)
131	Negative	Apartment	Room 204	Room	Baseboard	Metal	A	5	Intact	N/A	White	0.2 mg/cm²
132	Negative	Apartment	Room 204	Room	Baseboard	Metal	A	6	Intact	N/A	White	0.2 mg/cm²
133	Negative	Apartment	Room 204	Room	Wall	Drywall	A	7	Intact	N/A	White	0.1 mg/cm²
134	Negative	Apartment	Room 204	Room	Wall	Drywall	B	8	Intact	N/A	White	0.2 mg/cm²
135	Negative	Apartment	Room 204	Room	Wall	Drywall	D	9	Intact	N/A	White	0.2 mg/cm²
136	Negative	Apartment	Room 204	Door	---	Wood	B	11	Intact	N/A	White	0.1 mg/cm²
137	Negative	Apartment	Room 204	Door	Casing	Wood	B	12	Intact	N/A	White	0.0 mg/cm²
138	Negative	Apartment	Room 204	Door	Frame	Wood	B	13	Intact	N/A	White	0.1 mg/cm²
139	Positive	Calibration	Calibration Device	Calibration		Calibration Device		1	Intact	N/A	Calibration Device	1.0 mg/cm²
140	Positive	Calibration	Calibration Device	Calibration		Calibration Device		1	Intact	N/A	Calibration Device	1.1 mg/cm²
141	Positive	Calibration	Calibration Device	Calibration		Calibration Device		1	Intact	N/A	Calibration Device	1.0 mg/cm²
142 (CAL)		Calibration	Calibration Device	Calibration		Calibration Device		1	Intact	N/A	Calibration Device	1.1 mg/cm²
143 (CAL)		Calibration	Calibration Device	Calibration		Calibration Device		1	Intact	N/A	Calibration Device	1.1 mg/cm²
144 (CAL)		Calibration	Calibration Device	Calibration		Calibration Device		1	Intact	N/A	Calibration Device	1.0 mg/cm²
145 (CAL)		Calibration	Calibration Device	Calibration		Calibration Device		1	Intact	N/A	Calibration Device	0.0 mg/cm²
146 (CAL)		Calibration	Calibration Device	Calibration		Calibration Device		1	Intact	N/A	Calibration Device	0.1 mg/cm²
147 (CAL)		Calibration	Calibration Device	Calibration		Calibration Device		1	Intact	N/A	Calibration Device	0.1 mg/cm²
148	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.1 mg/cm²
149	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
150	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
151	Negative	Apartment	Room 210	Room	Wall	Drywall	A	14	Intact	N/A	Tan/Green	0.1 mg/cm²
152	Negative	Apartment	Room 210	Room	Wall	Drywall	C	15	Intact	N/A	Tan/Green	0.1 mg/cm²
153	Negative	Apartment	Room 210	Room	Wall	Drywall	C	16	Intact	N/A	Light Tan	0.1 mg/cm²
154	Negative	Apartment	Room 210	Room	Wall	Drywall	D	17	Intact	N/A	Light Tan	0.1 mg/cm²
155	Negative	Apartment	Room 210	Room	Crown Molding	Wood	B	18	Intact	N/A	Light Tan	0.1 mg/cm²

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Read #	Result	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition	-->Cause	Color	Lead (mg/cm²)
156	Negative	Apartment	Room 210	Window	Sill	Wood	B	19	Intact	N/A	Light Tan	0.1 mg/cm²
157	Negative	Apartment	Room 210	Window	Frame	Wood	B	19	Intact	N/A	Light Tan	0.1 mg/cm²
158	Negative	Apartment	Room 210	Window	Frame	Wood	B	20	Intact	N/A	Light Tan	0.0 mg/cm²
159	Negative	Apartment	Room 210	Window	Casing	Wood	B	21	Intact	N/A	Light Tan	0.1 mg/cm²
160	Negative	Apartment	Room 210	Room	Wall	Drywall	C	22	Intact	N/A	White	0.2 mg/cm²
161	Negative	Apartment	Room 210	Room	Crown Molding	Wood	C	23	Intact	N/A	White	0.1 mg/cm²
162	Negative	Apartment	Room 210	Window	Casing	Wood	C	24	Intact	N/A	White	0.1 mg/cm²
163	Negative	Apartment	Room 210	Window	Sill	Wood	C	25	Intact	N/A	White	0.1 mg/cm²
164	Negative	Apartment	Room 210	Window	Frame	Wood	C	26	Intact	N/A	White	0.1 mg/cm²
165	Negative	Apartment	Room 210	Room	Wall	Drywall	D	27	Intact	N/A	White	0.2 mg/cm²
166	Negative	Apartment	Room 210	Door	---	Wood	D	28	Intact	N/A	Light Tan	0.1 mg/cm²
167	Negative	Apartment	Room 210	Door	Jamb	Wood	D	29	Intact	N/A	White	0.1 mg/cm²
168	Negative	Apartment	Room 210	Door	Frame	Wood	D	30	Intact	N/A	Light Tan	0.1 mg/cm²
169	Negative	Apartment	Room 210	Room	Wall	Drywall	C	31	Intact	N/A	Light Blue/Blue	0.1 mg/cm²
170	Negative	Apartment	Room 210	Room	Wall	Drywall	A	32	Intact	N/A	Light Blue/Blue	0.1 mg/cm²
171	Negative	Apartment	Room 210	Room	Wall	Drywall	B	33	Intact	N/A	Slate Blue	0.2 mg/cm²
172	Negative	Apartment	Room 210	Room	Crown Molding	Wood	D	34	Intact	N/A	Slate Blue	0.1 mg/cm²
173	Negative	Apartment	Room 210	Room	Baseboard	Metal	C	35	Intact	N/A	Slate Blue	0.2 mg/cm²
174	Negative	Apartment	Room 210	Room	Wall	Drywall	B	36	Intact	N/A	Light Tan/Tan	0.1 mg/cm²
175	Negative	Apartment	Room 210	Room	Wall	Drywall	C	37	Intact	N/A	Light Tan/Tan	0.2 mg/cm²
176	Negative	Apartment	Room 210	Room	Wall	Drywall	C	38	Intact	N/A	Khaki	0.1 mg/cm²
177	Negative	Apartment	Room 210	Room	Crown Molding	Wood	A	39	Intact	N/A	Khaki	0.1 mg/cm²
180	Negative	Apartment	Room 220	Room	Baseboard	Metal	C	42	Intact	N/A	Khaki	0.2 mg/cm²
181	Negative	Apartment	Room 220	Room	Wall	Drywall	D	43	Intact	N/A	White	0.2 mg/cm²
182	Negative	Apartment	Room 220	Room	Baseboard	Metal	C	41	Intact	N/A	White	0.1 mg/cm²
183	Negative	Apartment	Room 220	Room	Baseboard	Metal	C	42	Intact	N/A	White	0.1 mg/cm²

Interior 794-810 & 832-850 Silver Lane, East Hartford, CT

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Read #	Result	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition	-->Cause	Color	Lead (mg/cm²)
184	Negative	Apartment	Room 220	Room	Wall	Drywall	C	44	Intact	N/A	White	0.1 mg/cm²
185	Negative	Apartment	Room 220	Room	Wall	Drywall	A	45	Intact	N/A	White	0.2 mg/cm²
186	Negative	Apartment	Room 220	Room	Wall	Drywall	D	46	Intact	N/A	White	0.2 mg/cm²
187	Negative	Apartment	Room 220	Room	Wall	Drywall	D	47	Intact	N/A	White	0.1 mg/cm²
188	Negative	Apartment	Room 220	Room	Wall	Drywall	A	48	Intact	N/A	White	0.1 mg/cm²
189	Negative	Apartment	Room 220	Room	Wall	Drywall	D	49	Intact	N/A	White	0.2 mg/cm²
190	Negative	Apartment	Room 220	Room	Wall	Drywall	B	50	Intact	N/A	White	0.1 mg/cm²
191	Negative	Apartment	Men's Bathroom	Room	Wall	Drywall	B	51	Intact	N/A	White	0.2 mg/cm²
192	Negative	Apartment	Men's Bathroom	Room	Wall	Drywall	D	52	Intact	N/A	White	0.1 mg/cm²
193	Negative	Apartment	Men's Bathroom	Room	Baseboard	Metal	C	53	Intact	N/A	Light Blue	0.1 mg/cm²
194	Negative	Apartment	Men's Bathroom	Room	Baseboard	Metal	C	54	Intact	N/A	Light Tan	0.1 mg/cm²
195	Negative	Apartment	Men's Bathroom	Door	Jamb	Wood	A	55	Intact	N/A	Light Blue	0.0 mg/cm²
196	Negative	Apartment	Men's Bathroom	Door	Frame	Wood	A	56	Intact	N/A	Light Blue	0.2 mg/cm²
197	Negative	Apartment	Men's Bathroom	Door	Frame	Wood	A	57	Intact	N/A	Light Tan	0.1 mg/cm²
198	Negative	Apartment	Men's Bathroom	Door	---	Wood	A	58	Intact	N/A	Light Tan	0.1 mg/cm²
199	Negative	Apartment	Hallway	Room	Wall	Drywall	A	59	Intact	N/A	White	0.2 mg/cm²
200	Negative	Apartment	Hallway	Room	Wall	Drywall	A	60	Intact	N/A	White	0.2 mg/cm²
201	Negative	Apartment	Hallway	Room	Wall	Drywall	C	61	Intact	N/A	White	0.2 mg/cm²
202	Negative	Apartment	Hallway	Room	Wall	Drywall	C	62	Intact	N/A	White	0.3 mg/cm²
203	Negative	Apartment	Hallway	Elevator	Door	Metal	B	63	Intact	N/A	Green	0.5 mg/cm²
204	Negative	Apartment	Hallway	Elevator	Frame	Metal	B	64	Intact	N/A	Green	0.3 mg/cm²
205	Negative	Apartment	Hallway	Closet	Door	Wood	B	65	Intact	N/A	Green	0.0 mg/cm²
206	Negative	Apartment	Hallway	Closet	Frame	Wood	B	66	Intact	N/A	Green	0.1 mg/cm²
207	Negative	Apartment	Hallway	Stair	Balusters	Metal	A	66	Intact	N/A	Green	0.3 mg/cm²
208	Negative	Apartment	Hallway	Stair	Balusters	Metal	A	67	Intact	N/A	Green	0.2 mg/cm²
209	Negative	Apartment	Hallway	Stair	Balusters	Metal	A	68	Intact	N/A	Green	0.3 mg/cm²

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Read #	Result	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition	-->Cause	Color	Lead (mg/cm²)
210	Negative	Apartment	Hallway	Stair	Risers	Metal	B	69	Intact	N/A	Green	0.1 mg/cm²
211	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
212	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
213	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
214	Negative	Apartment	Bank	Room	Wall	Drywall	B	1	Intact	N/A	Yellow	0.0 mg/cm²
215	Negative	Apartment	Bank	Room	Wall	Drywall	D	2	Intact	N/A	Yellow	0.3 mg/cm²
216	Negative	Apartment	Bank	Room	Crown Molding	Wood	D	3	Intact	N/A	White	0.1 mg/cm²
217	Negative	Apartment	Bank	Room	Wall	Wood	C	4	Intact	N/A	Yellow	0.3 mg/cm²
218	Negative	Apartment	Bank	Door	---	Wood	C	5	Intact	N/A	Yellow	0.1 mg/cm²
219	Negative	Apartment	Bank	Door	Jamb	Wood	C	6	Intact	N/A	Yellow	0.0 mg/cm²
220	Negative	Apartment	Bank	Door	Frame	Wood	C	7	Intact	N/A	Yellow	0.0 mg/cm²
221	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
222	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
223	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
224 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.1 mg/cm²
225 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
226 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.1 mg/cm²
227 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	0.1 mg/cm²
228 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	0.1 mg/cm²
229 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	0.1 mg/cm²
230	Negative	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	0.9 mg/cm²
231	Negative	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	0.9 mg/cm²
232	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.1 mg/cm²
233	Negative	Apartment	Print Shop	Room	Wall	Drywall	B	1	Intact	N/A	Purple	0.3 mg/cm²
234	Negative	Apartment	Print Shop	Room	Wall	Drywall	D	2	Intact	N/A	Purple	0.2 mg/cm²

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Read #	Result	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition	-->Cause	Color	Lead (mg/cm²)
235	Negative	Apartment	Print Shop	Room	Wall	Drywall	C	3	Intact	N/A	Tan	0.1 mg/cm²
236	Negative	Apartment	Print Shop	Room	Wall	Drywall	C	4	Intact	N/A	Blue	0.1 mg/cm²
237	Negative	Apartment	Print Shop	Room	Wall	Drywall	B	5	Intact	N/A	Dark Red	0.1 mg/cm²
238	Negative	Apartment	Print Shop	Room	Wall	Drywall	A	6	Intact	N/A	Tan	0.1 mg/cm²
240	Negative	Apartment	Print Shop	Door	---	Wood	D	7	Intact	N/A	Tan	0.0 mg/cm²
241	Negative	Apartment	Print Shop	Door	Frame	Wood	D	8	Intact	N/A	Tan	0.0 mg/cm²
242	Negative	Apartment	Print Shop	Door	Jamb	Wood	D	9	Intact	N/A	Tan	0.0 mg/cm²
243	Negative	Apartment	Print Shop	Window	Sill	Wood	C	11	Intact	N/A	Tan	0.0 mg/cm²
244	Negative	Apartment	Print Shop	Window	Frame	Wood	C	12	Intact	N/A	Tan	0.1 mg/cm²
245	Negative	Apartment	Print Shop	Window	Casing	Wood	C	13	Intact	N/A	Tan	0.1 mg/cm²
246	Negative	Apartment	Hair Design School	Room	Wall	Drywall	D	1	Intact	N/A	Slate Blue	0.2 mg/cm²
247	Negative	Apartment	Hair Design School	Room	Wall	Drywall	C	2	Intact	N/A	Slate Blue	0.2 mg/cm²
248	Negative	Apartment	Hair Design School	Room	Wall	Drywall	B	3	Intact	N/A	White	0.1 mg/cm²
249	Negative	Apartment	Hair Design School	Room	Wall	Drywall	C	3	Intact	N/A	White	0.3 mg/cm²
250	Negative	Apartment	Hair Design School	Room	Wall	Drywall	C	4	Intact	N/A	White	0.4 mg/cm²
251	Negative	Apartment	Hair Design School	Door	---	Wood	B	5	Intact	N/A	White	0.1 mg/cm²
252	Negative	Apartment	Hair Design School	Door	Jamb	Wood	B	6	Intact	N/A	White	0.1 mg/cm²
253	Negative	Apartment	Hair Design School	Door	Frame	Wood	B	7	Intact	N/A	White	0.1 mg/cm²
254	Negative	Apartment	Toby's	Room	Wall	Drywall	C	1	Intact	N/A	Peach	0.4 mg/cm²
255	Negative	Apartment	Toby's	Room	Wall	Drywall	D	2	Intact	N/A	Peach	0.1 mg/cm²
256	Negative	Apartment	Toby's	Room	Wall	Drywall	B	3	Intact	N/A	Peach	0.2 mg/cm²
257	Negative	Apartment	Toby's	Room	Wall	Drywall	C	4	Intact	N/A	White	0.1 mg/cm²
258	Negative	Apartment	Toby's	Door	---	Wood	B	5	Intact	N/A	White	0.1 mg/cm²
259	Negative	Apartment	Toby's	Door	Jamb	Wood	B	6	Intact	N/A	Brown	0.1 mg/cm²
260	Negative	Apartment	Toby's	Door	Frame	Wood	B	7	Intact	N/A	Brown	0.1 mg/cm²
261	Negative	Apartment	Toby's	Room	Chair Rail	Wood	D	8	Intact	N/A	Brown	0.0 mg/cm²

Interior 794-810 & 832-850 Silver Lane, East Hartford, CT

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Read #	Result	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall Location		Condition	-->Cause	Color	Lead (mg/cm²)
262	Negative	Apartment	Toby's	Room	Wall	Drywall	D	9	Intact	N/A	Black	0.3 mg/cm²
263	Negative	Apartment	Dry Cleaners	Room	Wall	Drywall	B	1	Intact	N/A	Indigo	0.2 mg/cm²
264	Negative	Apartment	Dry Cleaners	Room	Wall	Drywall	D	2	Intact	N/A	Indigo	0.2 mg/cm²
265	Negative	Apartment	Dry Cleaners	Room	Wall	Drywall	C	3	Intact	N/A	Indigo	0.1 mg/cm²
266	Negative	Apartment	Dry Cleaners	Room	Wall	Concrete	C	4	Intact	N/A	White	0.1 mg/cm²
267	Negative	Apartment	Dry Cleaners	Room	Wall	Concrete	C	5	Intact	N/A	Tan	0.5 mg/cm²
268	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
269	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
270	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
271	Negative	Apartment	Nail Salon	Room	Wall	Drywall	B		Intact	N/A	White	0.1 mg/cm²
272	Negative	Apartment	Nail Salon	Room	Wall	Drywall	D	2	Intact	N/A	White	0.2 mg/cm²
273	Negative	Apartment	Nail Salon	Room	Wall	Drywall	B	1	Intact	N/A	White	0.2 mg/cm²
274	Negative	Apartment	Nail Salon	Room	Wall	Drywall	C	3	Intact	N/A	Pink	0.1 mg/cm²
276	Negative	Apartment	Nail Salon	Room	Wall	Drywall	D	4	Intact	N/A	White	0.2 mg/cm²
277	Negative	Apartment	Nail Salon	Room	Wall	Drywall	D	5	Intact	N/A	White	0.1 mg/cm²
278	Negative	Apartment	Nail Salon	Door	---	Wood	D	6	Intact	N/A	White	0.2 mg/cm²
279	Negative	Apartment	Nail Salon	Door	Jamb	Wood	D	7	Intact	N/A	White	0.1 mg/cm²
280	Negative	Apartment	Nail Salon	Door	Frame	Wood	D	8	Intact	N/A	White	0.0 mg/cm²
281	Negative	Apartment	Nail Salon	Room	Wall	Concrete	C	9	Intact	N/A	White	0.0 mg/cm²
282	Negative	Apartment	Michelle's Kitchen	Room	Wall	Drywall	B	1	Intact	N/A	Peach	0.2 mg/cm²
284	Negative	Apartment	Michelle's Kitchen	Room	Wall	Drywall	B	2	Intact	N/A	Light Pink	0.1 mg/cm²
285	Negative	Apartment	Michelle's Kitchen	Room	Wall	Drywall	D	3	Intact	N/A	Peach	0.2 mg/cm²
286	Negative	Apartment	Michelle's Kitchen	Room	Wall	Drywall	D	4	Intact	N/A	Light Pink	0.1 mg/cm²
289	Negative	Apartment	Michelle's Kitchen	Room	Chair Rail	Wood	D	6	Intact	N/A	Blue	0.1 mg/cm²
290	Negative	Apartment	Michelle's Kitchen	Room	Chair Rail	Wood	B	5	Intact	N/A	Blue	0.1 mg/cm²
291	Negative	Apartment	Michelle's Kitchen	Room	Wall	Drywall	B	7	Intact	N/A	Pink	0.1 mg/cm²

Interior 794-810 & 832-850 Silver Lane, East Hartford, CT

Inspection Date: 6/4/2024 - 6/7/2024
Action Level: 1.0 (mg/cm²)
Total Readings: 334
Unit Started: 06/04/2024 08:10:42
Unit Ended: 06/07/2024 12:13:26

Inspection Site: 794-810 & 832-850 Silver Lane, East Hartford, CT

Read #	Result	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition	-->Cause	Color	Lead (mg/cm²)
292	Negative	Apartment	Michelle's Kitchen	Room	Wall	Drywall	C	8	Intact	N/A	Pink	0.0 mg/cm²
293	Negative	Apartment	Michelle's Kitchen	Room	Wall	Drywall	C	9	Intact	N/A	Gray	0.1 mg/cm²
295	Negative	Apartment	Michelle's Kitchen	Room	Wall	Concrete	B	11	Intact	N/A	Gray	0.1 mg/cm²
296	Negative	Apartment	Michelle's Kitchen	Room	Wall	Concrete	B	12	Intact	N/A	Gray	0.3 mg/cm²
299	Negative	Apartment	Michelle's Kitchen	Room	Wall	Drywall	C	14	Intact	N/A	Purple	0.0 mg/cm²
300	Negative	Apartment	Michelle's Kitchen	Room	Wall	Drywall	D	13	Intact	N/A	White	0.2 mg/cm²
301	Negative	Apartment	Michelle's Kitchen	Room	Wall	Drywall	B	15	Intact	N/A	Gray	0.2 mg/cm²
302	Negative	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	0.9 mg/cm²
303	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
304	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
305 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
306 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
307 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.1 mg/cm²
308 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	0.0 mg/cm²
309 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	0.1 mg/cm²
310 (CAL)		Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	0.1 mg/cm²
311	Negative	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	0.9 mg/cm²
312	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
313	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
314	Negative	Apartment	Barber Shop	Room	Wall	Drywall	B	1	Intact	N/A	White	0.1 mg/cm²
315	Negative	Apartment	Barber Shop	Room	Wall	Drywall	B	2	Intact	N/A	Gray	0.1 mg/cm²
316	Negative	Apartment	Barber Shop	Room	Wall	Drywall	B	3	Intact	N/A	Dark Grey	0.2 mg/cm²
317	Negative	Apartment	Barber Shop	Room	Wall	Drywall	C	4	Intact	N/A	White	0.3 mg/cm²
319	Negative	Apartment	Barber Shop	Door	---	Wood	C	5	Intact	N/A	White	0.1 mg/cm²
320	Negative	Apartment	Barber Shop	Door	Jamb	Wood	C	5	Intact	N/A	Gray	0.1 mg/cm²

Interior 794-810 & 832-850 Silver Lane, East Hartford, CT

Inspection Date:	6/4/2024 - 6/7/2024	Inspection Site:	794-810 & 832-850 Silver Lane, East Hartford, CT
Action Level:	1.0 (mg/cm²)		
Total Readings:	334		
Unit Started:	06/04/2024 08:10:42		
Unit Ended:	06/07/2024 12:13:26		

Read #	Result	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition	-->Cause	Color	Lead (mg/cm²)
321	Negative	Apartment	Barber Shop	Door	Jamb	Wood	C	6	Intact	N/A	Gray	0.0 mg/cm²
322	Negative	Apartment	Barber Shop	Door	Frame	Wood	C	7	Intact	N/A	Gray	0.0 mg/cm²
323	Negative	Apartment	Barber Shop	Room	Wall	Concrete	C	8	Intact	N/A	White	0.0 mg/cm²
324	Negative	Apartment	Barber Shop	Room	Wall	Concrete	C	9	Intact	N/A	Brown	0.3 mg/cm²
325	Negative	Apartment	Barber Shop	Room	Wall	Drywall	D	11	Intact	N/A	White	0.2 mg/cm²
326	Negative	Apartment	Barber Shop	Room	Chair Rail	Wood	B	12	Intact	N/A	White	0.2 mg/cm²
327	Negative	Apartment	Barber Shop	Room	Chair Rail	Wood	C	13	Intact	N/A	White	0.1 mg/cm²
328	Negative	Apartment	Barber Shop	Shelf	---	Wood	C	14	Intact	N/A	Gray	0.1 mg/cm²
329	Negative	Apartment	Barber Shop	Shelf	---	Wood	C	15	Intact	N/A	Gray	0.1 mg/cm²
333	Negative	Apartment	Pho Restaurant	Room	Wall	Drywall	C	4	Intact	N/A	Light Blue	0.2 mg/cm²
334	Negative	Apartment	Pho Restaurant	Room	Wall	Drywall	B	1	Intact	N/A	Light Blue	0.1 mg/cm²
335	Negative	Apartment	Pho Restaurant	Room	Wall	Drywall	B	3	Intact	N/A	Light Blue	0.1 mg/cm²
336	Negative	Apartment	Pho Restaurant	Room	Wall	Drywall	D	2	Intact	N/A	Light Blue	0.1 mg/cm²
337	Negative	Apartment	Pho Restaurant	Room	Wall	Drywall	C	5	Intact	N/A	Gray	0.0 mg/cm²
338	Negative	Apartment	Pho Restaurant	Door	---	Wood	C	6	Intact	N/A	White	0.1 mg/cm²
339	Negative	Apartment	Pho Restaurant	Door	Jamb	Wood	C	7	Intact	N/A	White	0.1 mg/cm²
340	Negative	Apartment	Pho Restaurant	Door	Frame	Wood	C	8	Intact	N/A	White	0.1 mg/cm²
341	Negative	Apartment	Appliance Store	Room	Wall	Drywall	B	1	Intact	N/A	Blue	0.2 mg/cm²
342	Negative	Apartment	Appliance Store	Room	Wall	Concrete	B	2	Intact	N/A	White	0.2 mg/cm²
343	Negative	Apartment	Appliance Store	Room	Wall	Concrete	B	3	Intact	N/A	Yellow	0.2 mg/cm²
344	Negative	Apartment	Appliance Store	Room	Wall	Concrete	B	4	Intact	N/A	White	0.1 mg/cm²
345	Negative	Apartment	Appliance Store	Room	Wall	Drywall	D	5	Intact	N/A	Tan	0.3 mg/cm²
346	Negative	Apartment	Appliance Store	Room	Wall	Drywall	C	6	Intact	N/A	Tan	0.2 mg/cm²
347	Negative	Apartment	Appliance Store	Room	Wall	Drywall	D	7	Intact	N/A	Tan	0.2 mg/cm²
348	Negative	Apartment	Appliance Store	Room	Wall	Drywall	B	8	Intact	N/A	Tan	0.1 mg/cm²
349	Negative	Apartment	Chinese Food Restaurant	Room	Wall	Drywall	B	1	Intact	N/A	Light Blue	0.3 mg/cm²

Interior 794-810 & 832-850 Silver Lane, East Hartford, CT

Inspection Date:	6/4/2024 - 6/7/2024	Inspection Site:	794-810 & 832-850 Silver Lane, East Hartford, CT
Action Level:	1.0 (mg/cm²)		
Total Readings:	334		
Unit Started:	06/04/2024 08:10:42		
Unit Ended:	06/07/2024 12:13:26		

Read #	Result	Room	-->RoomChoice	Structure	-->Member	Substrate	Wall	Location	Condition	-->Cause	Color	Lead (mg/cm²)
350	Negative	Apartment	Chinese Food Restaurant	Room	Wall	Drywall	D	2	Intact	N/A	Light Blue	0.2 mg/cm²
351	Negative	Apartment	Chinese Food Restaurant	Room	Wall	Drywall	C	2	Intact	N/A	Light Blue	0.1 mg/cm²
352	Negative	Apartment	Chinese Food Restaurant	Room	Wall	Drywall	D	4	Intact	N/A	Blue	0.2 mg/cm²
353	Negative	Apartment	Chinese Food Restaurant	Room	Wall	Drywall	B	5	Intact	N/A	White	0.4 mg/cm²
354	Negative	Apartment	Chinese Food Restaurant	Room	Wall	Drywall	D	6	Intact	N/A	White	0.1 mg/cm²
355	Negative	Apartment	Chinese Food Restaurant	Room	Wall	Concrete	C	7	Intact	N/A	White	0.3 mg/cm²
357	Negative	Apartment	Chinese Food Restaurant	Door	Jamb	Wood	C	9	Intact	N/A	Maroon	0.1 mg/cm²
358	Negative	Apartment	Chinese Food Restaurant	Door	---	Wood	C	8	Intact	N/A	White	0.0 mg/cm²
359	Negative	Apartment	Chinese Food Restaurant	Door	Frame	Wood	C	11	Intact	N/A	White	0.1 mg/cm²
360	Negative	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	0.9 mg/cm²
361	Positive	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	1.0 mg/cm²
362	Negative	Calibration	Calibration Device	Calibration	Calibration Device	Calibration Device			Intact	N/A	Calibration Device	0.9 mg/cm²

------ END OF READINGS ------

Appendix F

Waste Characterization Laboratory Report and Chain of Custody Form

EMN154

6C54181

FUSS & O'NEILL

FEDEX

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: Silver Lane **Project Number:** 20230389.A11

Building: 832-850 Silver Lane, East Hartford, CT **Project Manager:** C.Texidor

Sample ID Number	Sample Location/Building	Material Type	Result (ppm)	Lab Number
01-062024-FR	Building B Exterior	Composite of Building – Brink, CMU, Mortar , etc.		

RECEIVED
EMSL ANALYTICAL, INC.
CARLE PLACE, NY
2024 JUN 22 A 11:36

Analysis Method: TCLP Lead AAS Turnaround Time 48 Hours

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 laboratory at 860-646-2469 if analyses will be late.

Email Results To: Fuss & O'Neill Laboratory at LabResults@fando.com **and** CARLOS.TEXIDOR@fando.com

Special Instructions: _____

Samples Collected By: Felix Revoir Date: 6/7/2024 Time: _____

Samples Rec'd/Sent By: Felix Revoir Date: 6/20/2024 Time: _____

Samples Received By: EQuinn EMSL Date: 6-21-24 Time: 9:30 am

Shipped To: ☒ EMSL (State) NJ ☐ Other _____

Method of Shipment: ☒ Fed Ex. ☐ UPS Overnight ☐ UPS Ground ☐ Other _____

Rec: [signature]/KAITLYN WAGNER 6/22/24 11:30

No Billing 6/26/24

EMSL Analytical, Inc.

528 Mineola Avenue, Carle Place, NY, 11514
Telephone: 516.997.7251 Fax:856-786-5974
EMSL-CP-06

EMSL Order ID: 062454181
LIMS Reference ID: EC54181
EMSL Customer ID: ENVI54

Attention: Results
Fuss & O'Neill, Inc. [ENVI54]
146 Hartford Road
Manchester, CT 06040
(860) 646-2469
LabResults@fando.com

Project Name: Silver Lane: 832-850 Silver Lane, East Hartford, CT: 20230389.A11
Customer PO:
EMSL Sales Rep: Jeromy Bish
Received: 06/22/2024 11:36
Reported: 06/26/2024 12:47

Analytical Results

Analyte	Results	RL	Weight(mL)	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: 01-062024-FR/Building B Exterior - Composite of Building-Brink, CMU, Mortar, etc.									**Date Sampled: 06/20/24**
Matrix: Solid									**LIMS Reference ID: EC54181-01**
Lead	<0.444 mg/L	0.444 mg/L		06/26/24 BP	TCLP Extraction	06/26/24 BP	SW 846-7000B		1.11
	Sample Comments:								

EMSL Analytical, Inc.

528 Mineola Avenue, Carle Place, NY, 11514
Telephone: 516.997.7251 Fax:856-786-5974
EMSL-CP-06

EMSL Order ID: 062454181
LIMS Reference ID: EC54181
EMSL Customer ID: ENVI54

Attention: Results
Fuss & O'Neill, Inc. [ENVI54]
146 Hartford Road
Manchester, CT 06040
(860) 646-2469
LabResults@fando.com

Project Name: Silver Lane: 832-850 Silver Lane, East Hartford, CT: 20230389.A11

Customer PO:
EMSL Sales Rep: Jeromy Bish
Received: 06/22/2024 11:36
Reported: 06/26/2024 12:47

Certified Analyses included in this Report

Analyte	Certifications
SW 846-7000B in Solid	
Lead	06-NYSELAP

List of Certifications

Code	Description	Number	Expires
06-AIHA LAP	EMSL Analytical, Inc. Carle Place, NY AIHA-LAP, LLC-ELLAP Accredited	102344	09/01/2024
06-NYSDOH	New York State Department of Health	11469	04/01/2025
06-NYSELAP	NY NYS ELAP	11469	04/01/2025
06-California ELAP	California Water Boards	2339	04/01/2025
06-CTDPH	Connecticut Department of Public Health	PH-0249	03/31/2025

Please see the specific Field of Testing (FOT) on www.emsl.com <http://www.emsl.com> for a complete listing of parameters for which EMSL is certified.

Notes and Definitions

Item	Definition
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
Q	Qualifier
RL	Reporting Limit
Wet	Sample is not dry weight corrected.

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.

EMSL Analytical, Inc.

528 Mineola Avenue, Carle Place, NY, 11514
Telephone: 516.997.7251 Fax:856-786-5974
EMSL-CP-06

EMSL Order ID: 062454181
LIMS Reference ID: EC54181
EMSL Customer ID: ENVI54

Attention: Results
Fuss & O'Neill, Inc. [ENVI54]
146 Hartford Road
Manchester, CT 06040
(860) 646-2469
LabResults@fando.com

Project Name: Silver Lane: 832-850 Silver Lane, East Hartford, CT: 20230389.A11

Customer PO:
EMSL Sales Rep: Jeromy Bish
Received: 06/22/2024 11:36
Reported: 06/26/2024 12:47

James Han Laboratory Manager or other approved signatory

Appendix G

PCB Laboratory Report and Chain of Custody Form

Tuesday, August 06, 2024

Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Project ID: **CRDA-SILVER LANE, EAST HARTFORD CT**
SDG ID: **GCR31890**
Sample ID#s: CR31890 - CR31925

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,

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

August 06, 2024

SDG I.D.: GCR31890

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT

Client Id	Lab Id	Matrix
01A-080124-FR	CR31890	CAULK
01B-080124-FR	CR31891	CAULK
02A-080124-FR	CR31892	CAULK
02B-080124-FR	CR31893	CAULK
03A-080124-FR	CR31894	CAULK
03B-080124-FR	CR31895	CAULK
04A-080124-FR	CR31896	CAULK
04B-080124-FR	CR31897	CAULK
05A-080124-FR	CR31898	CAULK
05B-080124-FR	CR31899	CAULK
06A-080124-FR	CR31900	CAULK
06B-080124-FR	CR31901	CAULK
07A-080124-FR	CR31902	CAULK
07B-080124-FR	CR31903	CAULK
08A-080124-FR	CR31904	CAULK
08B-080124-FR	CR31905	CAULK
09A-080124-FR	CR31906	CAULK
09B-080124-FR	CR31907	CAULK
10A-080124-FR	CR31908	CAULK
10B-080124-FR	CR31909	CAULK
11A-080124-FR	CR31910	CAULK
11B-080124-FR	CR31911	CAULK
12A-080124-FR	CR31912	CAULK
12B-080124-FR	CR31913	CAULK
13A-080124-FR	CR31914	CAULK
13B-080124-FR	CR31915	CAULK
14A-080124-FR	CR31916	CAULK
14B-080124-FR	CR31917	CAULK
15A-080124-FR	CR31918	CAULK
15B-080124-FR	CR31919	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

August 06, 2024

SDG I.D.: GCR31890

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT

Client Id	Lab Id	Matrix
16A-080124-FR	CR31920	CAULK
16B-080124-FR	CR31921	CAULK
17A-080124-FR	CR31922	CAULK
17B-080124-FR	CR31923	CAULK
18A-080124-FR	CR31924	CAULK
18B-080124-FR	CR31925	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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31890

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 01A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.84	mg/kg	5	08/02/24	SC	SW8082A
PCB-1221	ND	0.84	mg/kg	5	08/02/24	SC	SW8082A
PCB-1232	ND	0.84	mg/kg	5	08/02/24	SC	SW8082A
PCB-1242	ND	0.84	mg/kg	5	08/02/24	SC	SW8082A
PCB-1248	ND	0.84	mg/kg	5	08/02/24	SC	SW8082A
PCB-1254	ND	0.84	mg/kg	5	08/02/24	SC	SW8082A
PCB-1260	ND	0.84	mg/kg	5	08/02/24	SC	SW8082A
PCB-1262	ND	0.84	mg/kg	5	08/02/24	SC	SW8082A
PCB-1268	ND	0.84	mg/kg	5	08/02/24	SC	SW8082A
Total PCBs	ND	0.84	mg/kg	5	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	71		%	5	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	77		%	5	08/02/24	SC	30 - 150 %
% TCMX	65		%	5	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	63		%	5	08/02/24	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
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31891

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 01B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/02/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.49	mg/kg	2	08/05/24	SC	SW8082A
PCB-1221	ND	0.49	mg/kg	2	08/05/24	SC	SW8082A
PCB-1232	ND	0.49	mg/kg	2	08/05/24	SC	SW8082A
PCB-1242	ND	0.49	mg/kg	2	08/05/24	SC	SW8082A
PCB-1248	0.86	0.49	mg/kg	2	08/05/24	SC	SW8082A
PCB-1254	ND	0.49	mg/kg	2	08/05/24	SC	SW8082A
PCB-1260	ND	0.49	mg/kg	2	08/05/24	SC	SW8082A
PCB-1262	ND	0.49	mg/kg	2	08/05/24	SC	SW8082A
PCB-1268	ND	0.49	mg/kg	2	08/05/24	SC	SW8082A
Total PCBs	0.86	0.49	mg/kg	2	08/05/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	88		%	2	08/05/24	SC	30 - 150 %
% DCBP (Confirmation)	78		%	2	08/05/24	SC	30 - 150 %
% TCMX	75		%	2	08/05/24	SC	30 - 150 %
% TCMX (Confirmation)	73		%	2	08/05/24	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:

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31892

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 02A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.99	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.99	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.99	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.99	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	2.9	0.99	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.99	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.99	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.99	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.99	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	2.9	0.99	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	75		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	79		%	2	08/02/24	SC	30 - 150 %
% TCMX	74		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	74		%	2	08/02/24	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:

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31893

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 02B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.6	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.6	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.6	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.6	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.6	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.6	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.6	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.6	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.6	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.6	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	76		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	91		%	2	08/02/24	SC	30 - 150 %
% TCMX	78		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	77		%	2	08/02/24	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:

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31894

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 03A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.88	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.88	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.88	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.88	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.88	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.88	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.88	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.88	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.88	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.88	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	74		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	74		%	2	08/02/24	SC	30 - 150 %
% TCMX	76		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	74		%	2	08/02/24	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.

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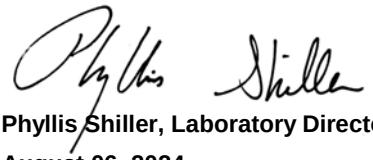

Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31895

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 03B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	52		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	58		%	2	08/02/24	SC	30 - 150 %
% TCMX	59		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	59		%	2	08/02/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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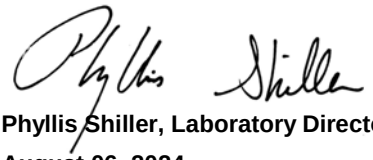

Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31896

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 04A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.92	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.92	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.92	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.92	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.92	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.92	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.92	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.92	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.92	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.92	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	70		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	69		%	2	08/02/24	SC	30 - 150 %
% TCMX	71		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	66		%	2	08/02/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31897

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 04B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.89	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.89	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.89	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.89	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.89	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.89	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.89	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.89	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.89	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.89	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	76		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	80		%	2	08/02/24	SC	30 - 150 %
% TCMX	71		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	72		%	2	08/02/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31898

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 05A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	65		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	64		%	2	08/02/24	SC	30 - 150 %
% TCMX	57		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	56		%	2	08/02/24	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.

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31899

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 05B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.77	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.77	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.77	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.77	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.77	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.77	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.77	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.77	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.77	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.77	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	71		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	64		%	2	08/02/24	SC	30 - 150 %
% TCMX	64		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	60		%	2	08/02/24	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.

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31900

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 06A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.67	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.67	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.67	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.67	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.67	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.67	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.67	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.67	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.67	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.67	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	69		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	76		%	2	08/02/24	SC	30 - 150 %
% TCMX	50		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	63		%	2	08/02/24	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:

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All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31901

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 06B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.79	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	85		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	73		%	2	08/02/24	SC	30 - 150 %
% TCMX	75		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	68		%	2	08/02/24	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:

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31902

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 07A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.93	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.93	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.93	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.93	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.93	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.93	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.93	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.93	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.93	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.93	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	79		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	83		%	2	08/02/24	SC	30 - 150 %
% TCMX	75		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	82		%	2	08/02/24	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.

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.

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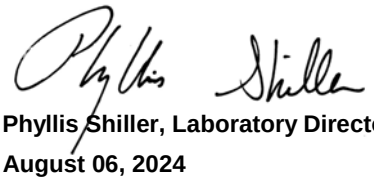

Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31903

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 07B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.63	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.63	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.63	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.63	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.63	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.63	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.63	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.63	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.63	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.63	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	80		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	86		%	2	08/02/24	SC	30 - 150 %
% TCMX	72		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	82		%	2	08/02/24	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.

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.

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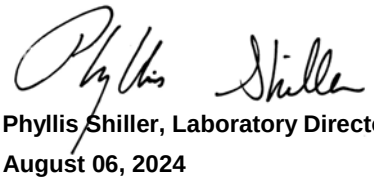

Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31904

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 08A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Caulk Extraction for PCB	Completed				08/02/24	R/RB	SW3540C	
PCB (Soxhlet SW3540C)								
PCB-1016	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1221	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1232	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1242	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1248	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1254	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1260	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1262	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1268	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
Total PCBs	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
QA/QC Surrogates								
% DCBP	44		%	10	08/02/24	PS	30 - 150 %	
% DCBP (Confirmation)	30		%	10	08/02/24	PS	30 - 150 %	
% TCMX	21		%	10	08/02/24	PS	30 - 150 %	3
% TCMX (Confirmation)	16		%	10	08/02/24	PS	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:
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.
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.

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31905

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 08B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Caulk Extraction for PCB	Completed				08/02/24	R/RB	SW3540C	
PCB (Soxhlet SW3540C)								
PCB-1016	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1221	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1232	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1242	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1248	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1254	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1260	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1262	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
PCB-1268	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
Total PCBs	ND	1	mg/kg	10	08/02/24	PS	SW8082A	
QA/QC Surrogates								
% DCBP	45		%	10	08/02/24	PS	30 - 150 %	
% DCBP (Confirmation)	30		%	10	08/02/24	PS	30 - 150 %	
% TCMX	39		%	10	08/02/24	PS	30 - 150 %	
% TCMX (Confirmation)	19		%	10	08/02/24	PS	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:

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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.
Poor surrogate recovery was observed for PCBs. Sample was re-extracted with similar results.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31906

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 09A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.55	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.55	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.55	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.55	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	1.9	0.55	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.55	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.55	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.55	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.55	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	1.9	0.55	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	69		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	61		%	2	08/02/24	SC	30 - 150 %
% TCMX	69		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	66		%	2	08/02/24	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:

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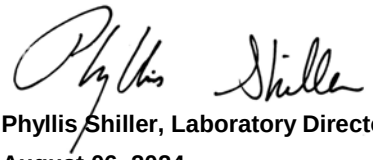

Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31907

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 09B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	1	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	1	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	1	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	1	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	1.6	1	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	1	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	1	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	1	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	1	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	1.6	1	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	70		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	71		%	2	08/02/24	SC	30 - 150 %
% TCMX	71		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	69		%	2	08/02/24	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
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Comments:

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31908

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 10A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/02/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.93	mg/kg	1	08/05/24	SC	SW8082A
PCB-1221	ND	0.93	mg/kg	1	08/05/24	SC	SW8082A
PCB-1232	ND	0.93	mg/kg	1	08/05/24	SC	SW8082A
PCB-1242	ND	0.93	mg/kg	1	08/05/24	SC	SW8082A
PCB-1248	1.9	0.93	mg/kg	1	08/05/24	SC	SW8082A
PCB-1254	ND	0.93	mg/kg	1	08/05/24	SC	SW8082A
PCB-1260	ND	0.93	mg/kg	1	08/05/24	SC	SW8082A
PCB-1262	ND	0.93	mg/kg	1	08/05/24	SC	SW8082A
PCB-1268	ND	0.93	mg/kg	1	08/05/24	SC	SW8082A
Total PCBs	1.9	0.93	mg/kg	1	08/05/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	61		%	1	08/05/24	SC	30 - 150 %
% DCBP (Confirmation)	76		%	1	08/05/24	SC	30 - 150 %
% TCMX	52		%	1	08/05/24	SC	30 - 150 %
% TCMX (Confirmation)	60		%	1	08/05/24	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:

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31909

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 10B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.96	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.96	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.96	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.96	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	1	0.96	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.96	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.96	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.96	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.96	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	1	0.96	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	39		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	37		%	2	08/02/24	SC	30 - 150 %
% TCMX	33		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	33		%	2	08/02/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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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:

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31910

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 11A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.97	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.97	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.97	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.97	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.97	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.97	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.97	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.97	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.97	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.97	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	66		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	68		%	2	08/02/24	SC	30 - 150 %
% TCMX	45		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	58		%	2	08/02/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31911

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 11B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.71	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.71	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.71	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.71	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.71	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.71	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.71	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.71	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.71	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.71	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	72		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	68		%	2	08/02/24	SC	30 - 150 %
% TCMX	62		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	64		%	2	08/02/24	SC	30 - 150 %

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 11B-080124-FR

Phoenix I.D.: CR31911

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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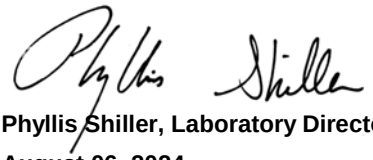

Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31912

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 12A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.78	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	74		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	63		%	2	08/02/24	SC	30 - 150 %
% TCMX	67		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	65		%	2	08/02/24	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
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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31913

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 12B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.78	mg/kg	5	08/02/24	SC	SW8082A
PCB-1221	ND	0.78	mg/kg	5	08/02/24	SC	SW8082A
PCB-1232	ND	0.78	mg/kg	5	08/02/24	SC	SW8082A
PCB-1242	ND	0.78	mg/kg	5	08/02/24	SC	SW8082A
PCB-1248	ND	0.78	mg/kg	5	08/02/24	SC	SW8082A
PCB-1254	ND	0.78	mg/kg	5	08/02/24	SC	SW8082A
PCB-1260	ND	0.78	mg/kg	5	08/02/24	SC	SW8082A
PCB-1262	ND	0.78	mg/kg	5	08/02/24	SC	SW8082A
PCB-1268	ND	0.78	mg/kg	5	08/02/24	SC	SW8082A
Total PCBs	ND	0.78	mg/kg	5	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	77		%	5	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	69		%	5	08/02/24	SC	30 - 150 %
% TCMX	61		%	5	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	61		%	5	08/02/24	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:

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31914

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 13A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.85	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.85	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.85	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.85	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.85	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.85	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.85	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.85	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.85	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.85	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	60		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	54		%	2	08/02/24	SC	30 - 150 %
% TCMX	60		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	49		%	2	08/02/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31915

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 13B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.68	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.68	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.68	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.68	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.68	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	1.3	0.68	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.68	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.68	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.68	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	1.3	0.68	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	77		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	70		%	2	08/02/24	SC	30 - 150 %
% TCMX	74		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	81		%	2	08/02/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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Comments:

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31916

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 14A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.7	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.7	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.7	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.7	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	1.3	0.7	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.7	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.7	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.7	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.7	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	1.3	0.7	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	71		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	69		%	2	08/02/24	SC	30 - 150 %
% TCMX	61		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	61		%	2	08/02/24	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:

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31917

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 14B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.64	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.64	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.64	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.64	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	0.79	0.64	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.64	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.64	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.64	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.64	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	0.79	0.64	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	46		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	45		%	2	08/02/24	SC	30 - 150 %
% TCMX	47		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	42		%	2	08/02/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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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:

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31918

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 15A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	100		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	105		%	2	08/02/24	SC	30 - 150 %
% TCMX	96		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	96		%	2	08/02/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31919

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 15B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	88		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	98		%	2	08/02/24	SC	30 - 150 %
% TCMX	80		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	83		%	2	08/02/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31920

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 16A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	94		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	89		%	2	08/02/24	SC	30 - 150 %
% TCMX	80		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	85		%	2	08/02/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31921

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 16B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.9	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	92		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	100		%	2	08/02/24	SC	30 - 150 %
% TCMX	82		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	82		%	2	08/02/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31922

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 17A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.81	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.81	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.81	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.81	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.81	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.81	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.81	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.81	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.81	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.81	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	80		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	85		%	2	08/02/24	SC	30 - 150 %
% TCMX	77		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	82		%	2	08/02/24	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:

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31923

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 17B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.95	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	81		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	83		%	2	08/02/24	SC	30 - 150 %
% TCMX	79		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	77		%	2	08/02/24	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:

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31924

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 18A-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.69	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.69	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.69	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.69	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.69	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.69	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.69	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.69	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.69	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.69	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	78		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	73		%	2	08/02/24	SC	30 - 150 %
% TCMX	73		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	79		%	2	08/02/24	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:

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab 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

August 06, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CAULK	Collected by:	FR	08/01/24	
Location Code:	F&O-LABRESPCB	Received by:	SW	08/01/24	15:43
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11				

Laboratory Data

SDG ID: GCR31890
Phoenix ID: CR31925

Project ID: CRDA-SILVER LANE, EAST HARTFORD CT
Client ID: 18B-080124-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				08/01/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1221	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1232	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1242	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1248	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1254	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1260	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1262	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
PCB-1268	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
Total PCBs	ND	0.83	mg/kg	2	08/02/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	81		%	2	08/02/24	SC	30 - 150 %
% DCBP (Confirmation)	78		%	2	08/02/24	SC	30 - 150 %
% TCMX	70		%	2	08/02/24	SC	30 - 150 %
% TCMX (Confirmation)	72		%	2	08/02/24	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.

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Phyllis Shiller, Laboratory Director
August 06, 2024
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

QA/QC Report

August 06, 2024

QA/QC Data

SDG I.D.: GCR31890

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 742952 (ug/Kg), QC Sample No: CR29339 10X (CR31890, CR31892, CR31893, CR31894, CR31895, CR31896, CR31897, CR31898, CR31899, CR31900, CR31901, CR31902, CR31903, CR31904, CR31905)										
Polychlorinated Biphenyls										
PCB-1016	ND	170	118	118	0.0				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	118	119	0.8				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	118	%	124	128	3.2				30 - 150	30
% DCBP (Surrogate Rec) (Confirm	124	%	124	130	4.7				30 - 150	30
% TCMX (Surrogate Rec)	112	%	118	120	1.7				30 - 150	30
% TCMX (Surrogate Rec) (Confirm	109	%	119	119	0.0				30 - 150	30
Comment:										
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.										
QA/QC Batch 743152 (ug/Kg), QC Sample No: CR29357 10X (CR31891, CR31904, CR31905, CR31908)										
Polychlorinated Biphenyls										
PCB-1016	ND	170	112	113	0.9				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	108	114	5.4				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	124	%	115	122	5.9				30 - 150	30
% DCBP (Surrogate Rec) (Confirm	131	%	115	123	6.7				30 - 150	30
% TCMX (Surrogate Rec)	121	%	112	116	3.5				30 - 150	30
% TCMX (Surrogate Rec) (Confirm	120	%	113	116	2.6				30 - 150	30
Comment:										
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.										
QA/QC Batch 742996 (ug/Kg), QC Sample No: CR31906 10X (CR31906, CR31907, CR31909, CR31910, CR31911, CR31912, CR31913, CR31914, CR31915, CR31916, CR31917, CR31918, CR31919, CR31920, CR31921, CR31922, CR31923, CR31924, CR31925)										
Polychlorinated Biphenyls										
PCB-1016	ND	170	105	97	7.9				40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30

QA/QC Data

SDG I.D.: GCR31890

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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	108	97	10.7				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	94	%	116	109	6.2				30 - 150	30
% DCBP (Surrogate Rec) (Confirm	99	%	125	109	13.7				30 - 150	30
% TCMX (Surrogate Rec)	85	%	106	102	3.8				30 - 150	30
% TCMX (Surrogate Rec) (Confirm	85	%	107	101	5.8				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
August 06, 2024

Tuesday, August 06, 2024

Criteria: None

State: CT

Sample Criteria Exceedances Report

GCR31890 - FO-LABRESPCB

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CR31892	$PCB_SOXR	Total PCBs	CT / Requested PCB RL /	2.9	0.99	1	1	mg/kg
CR31892	$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	2.9	0.99	1	1	mg/kg
CR31906	$PCB_SOXR	Total PCBs	CT / Requested PCB RL /	1.9	0.55	1	1	mg/kg
CR31906	$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	1.9	0.55	1	1	mg/kg
CR31907	$PCB_SOXR	Total PCBs	CT / Requested PCB RL /	1.6	1	1	1	mg/kg
CR31907	$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	1.6	1	1	1	mg/kg
CR31908	$PCB_SOXR	Total PCBs	CT / Requested PCB RL /	1.9	0.93	1	1	mg/kg
CR31908	$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	1.9	0.93	1	1	mg/kg
CR31915	$PCB_SOXR	Total PCBs	CT / Requested PCB RL /	1.3	0.68	1	1	mg/kg
CR31915	$PCB_SOXR	PCB-1254	CT / Requested PCB RL /	1.3	0.68	1	1	mg/kg
CR31916	$PCB_SOXR	Total PCBs	CT / Requested PCB RL /	1.3	0.7	1	1	mg/kg
CR31916	$PCB_SOXR	PCB-1248	CT / Requested PCB RL /	1.3	0.7	1	1	mg/kg

Bureau of Water Protection and Land Reuse
Remediation Division

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name Phoenix Environmental Labs, Inc.	Client Name
Project Location CRDA-SILVER LANE, EAST HARTFORD CT	Project No.
Sampling Date(s) 8/1/2024	Laboratory Sample ID(s): CR31890-CR31925

LIST RCP METHODS USED (e.g., 8260,8270, etc.) 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 DEEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method-specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH methods only: Was the VPH or EPH method conducted without significant modifications (see respective RCPs)	☐ Yes ☐ No ☑ NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (≤6° C)? *If samples were received by the laboratory on the same day of collection and were stored and transported to the laboratory on ice, cooler temperatures above 6ºC are acceptable.*	☑ Yes ☐ No ☐ NA
4	Were all QA/QC performance criteria specified in the CT DEEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5	Were reporting limits / limits of quantitation specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5a	Were these reporting limits / limits of quantitation met?	☑ Yes ☐ 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?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set for applicable RCPs?	☐ Yes ☑ 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: _____ Position: Assistant Lab Director

Printed Name: Greg Lawrence Date: Tuesday, August 06, 2024

Name of Laboratory Phoenix Environmental Laboratory, 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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

August 06, 2024

SDG I.D.: GCR31890

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD1 08/02/24-1 Saadia Chudary, Chemist 08/02/24

CR31896 (2X), CR31907 (2X), CR31913 (5X), CR31918 (2X), CR31923 (2X)

The initial calibration (PC0702AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0702BI) 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 08/02/24-1 Saadia Chudary, Chemist 08/02/24

CR31901 (2X), CR31902 (2X), CR31903 (2X), CR31904 (10X), CR31905 (10X)

The initial calibration (PC0514AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0514BI) 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: CR31901, CR31902, CR31903, CR31904, CR31905
Preceding CC 802A003 - PCB 1016 -16%L (%)
Succeeding CC 802A019 - PCB 1016 -16%L (%)

AU-ECD29 08/02/24-1 Saadia Chudary, Chemist 08/02/24

CR31890 (5X), CR31894 (2X), CR31911 (2X), CR31912 (2X), CR31920 (2X), CR31925 (2X)

The initial calibration (PC0710AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0710BI) 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 08/02/24-1 Saadia Chudary, Chemist 08/02/24

CR31898 (2X), CR31899 (2X), CR31906 (2X), CR31916 (2X)

The initial calibration (PC0618AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0618BI) 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 08/02/24-1 Saadia Chudary, Chemist 08/02/24

CR31892 (2X), CR31900 (2X), CR31910 (2X), CR31922 (2X)

The initial calibration (PC0729AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0729BI) 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 08/02/24-1 Saadia Chudary, Chemist 08/02/24

CR31895 (2X), CR31909 (2X), CR31914 (2X), CR31917 (2X)

The initial calibration (PC0726AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0726BI) 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: CR31895, CR31909, CR31914, CR31917
Preceding CC 802B005 - None.
Succeeding CC 802B036 - DCBP SURR -23%L (15%)

AU-ECD7 08/02/24-1 Saadia Chudary, Chemist 08/02/24

CR31893 (2X), CR31897 (2X), CR31919 (2X), CR31921 (2X)

The initial calibration (PC0716AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0716BI) RSD for the compound list was less than 20% except for the following compounds: None.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

RCP Certification Report

August 06, 2024

SDG I.D.: GCR31890

PCB Narration

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

AU-ECD7 08/05/24-1 Saadia Chudary, Chemist 08/05/24

CR31891 (2X), CR31908 (1X)

The initial calibration (PC0716AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0716BI) 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: CR31891, CR31908
Preceding CC 805A003 - PCB 1260 -18%L (%)
Succeeding CC 805A015 - None.

AU-ECD91 08/02/24-1 Saadia Chudary, Chemist 08/02/24

CR31915 (2X), CR31924 (2X)

The initial calibration (PC0711AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0711BI) 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 742952 (CR29339)

CR31890, CR31892, CR31893, CR31894, CR31895, CR31896, CR31897, CR31898, CR31899, CR31900, CR31901, CR31902, CR31903, CR31904, CR31905

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 742996 (CR31906)

CR31906, CR31907, CR31909, CR31910, CR31911, CR31912, CR31913, CR31914, CR31915, CR31916, CR31917, CR31918, CR31919, CR31920, CR31921, CR31922, CR31923, CR31924, CR31925

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 743152 (CR29357)

CR31891, CR31904, CR31905, CR31908

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 4.8C with cooling initiated.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

4.8°C WC1P

FUSS & O'NEILL

146 Hartford Road, Manchester, CT 06040

www.fando.com
(860) 646-2469 Fax (860) 533-5143

PCB Bulk Sample Chain of Custody Form

Project Name: CRDA-Silver Lane, East Hartford, CT Project Number: 20230389.A11 Date: 8/1/2024

Site Address: 832-850 & 794-810 Silver Lane, East Hartford, CT Building Name/Number Building B & A Project Manager: Carlos Texidor

	Sample ID	Sample Location	Material	Substrate(s)	Conc. Code (Below)
		Building B			
31890	01A-080124-FR	Concrete Walkway to Building Caulk-Middle West	White Caulk	Concrete to Metal	
31891	01B-080124-FR	Concrete Walkway to Building Caulk-Middle West	White Caulk	Concrete to Metal	
31892	02A 080124 FR	Blue Brick to Window Frame	White Caulk	Brick to Metal	
31893	02B 080124-FR	Blue Brick to Window Frame	White Caulk	Brick to Metal	
31894	03A-080124-FR	Brick to Black Window Frame	Black Caulk	Brick to Metal	
31895	03B 080124 FR	Brick to Black Window Frame	Black Caulk	Brick to Metal	
31896	04A-080124-FR	Black Window Frame	Red Caulk	Metal	
31897	04B-080124-FR	Black Window Frame	Red Caulk	Metal	
31898	05A-080124-FR	Door Frame NE Corner	Original White Caulk	Metal to CMU	
31899	05B-080124-FR	Door Frame NE Corner	Original White Caulk	Metal to CMU	
31900	06A-080124-FR	North Side Center Door Frame	New White Caulk	Metal to CMU	
31901	06B-080124-FR	North Side Center Door Frame	New White Caulk	Metal to CMU	
31902	07A-080124-FR	North Side Center Window	Gray Caulk	Glass to Metal	
31903	07B-080124-FR	North Side Center Window	Gray Caulk	Glass to Metal	
31904	08A-080124-FR	Northwest Corner Door Frame	Light Gray Caulk	Metal to CMU	
31905	08B-080124-FR	Northwest Corner Door Frame	Light Gray Caulk	Metal to CMU	

Commented [KRL1]: In order to type the project information at the top of the page, either double click at the top of the page to open the header area or right click and choose Edit Header. This should copy on every page. Finally, click on the Review tab at the top of the screen and change "All Markup" to "No Markup" so that this comment will not display or print.

FUSS & O'NEILL

146 Hartford Road, Manchester, CT 06040

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(860) 646-2469 Fax (860) 533-5143

PCB Bulk Sample Chain of Custody Form

Project Name: CRDA Silver Lane, East Hartford, CT Project Number: 20230389.A11 Date: 8/1/2024

Site Address: 832-850 & 794-810 Silver Lane, East Hartford, CT Building Name/Number Building B & A Project Manager: Carlos Texidor

	Sample ID	Sample Location	Material	Substrate(s)	Conc. Code (Below)
			Building A		
31906	09A-080124-FR	Walkway to Building SE	Old Gray Caulk	Concrete to Metal	
31907	09B-080124-FR	Walkway to Building SE	Old Gray Caulk	Concrete to Metal	
31908	10A-080124-FR	Walkway Repair Contor East	Black Caulk	Concrete	
31909	10B-080124-FR	Walkway Repair Center East	Black Caulk	Concrete	
31910	11A-080124-FR	Bank Deposit Box	Black Caulk	Metal to Slate	
31911	11B-080124-FR	Bank Deposit Box	Black Caulk	Metal to Slate	
31912	12A-080124-FR	Toby's Door Frame SE Corner Vertical	Gray Caulk	Metal to Metal	
31913	12B-080124-FR	Toby's Door Frame SE Corner Vertical	Gray Caulk	Metal to Metal	
31914	13A-080124-FR	East Face throughout Vertical and Horizontal	White Caulk	Metal to Brick	
31915	13B-080124-FR	East Face throughout Vertical and Horizontal	White Caulk	Metal to Brick	
31916	14A-080124-FR	Doorway to 2nd Floor Lobby	Gray Caulk	Metal to Stone	
31917	14B-080124-FR	Doorway to 2nd Floor Lobby	Gray Caulk	Metal to Stone	
31918	15A-080124-FR	Northeast Corner Windows	Clear Caulk	Glass to Metal	
31919	15B-080124-FR	Northeast Corner Windows	Clear Caulk	Glass to Metal	

Commented [KR1]: In order to type the project information at the top of the page, either double click at the top of the page to open the header area or right click and choose Edit Header. This should copy on every page. Finally, click on the Review tab at the top of the screen and change "All Markup" to "No Markup" so that this comment will not display or print.

FUSS & O'NEILL

146 Hartford Road, Manchester, CT 06040

www.fando.com
(860) 646-2469 Fax (860) 533-5143

PCB Bulk Sample Chain of Custody Form

Project Name: CRDA-Silver Lane, East Hartford, CT Project Number: 20230389.A11 Date: 8/1/2024

Site Address: 832-850 & 794-810 Silver Lane, East Hartford, CT Building Name/Number Building B & A Project Manager: Carlos Texidor

	Sample ID	Sample Location	Material	Substrate(s)	Conc. Code (Below)
31920	16A-080124-FR	Bank Window South	Milky White Caulk	Brick to Metal	
31921	16B-080124-FR	Bank Window South	Milky White Caulk	Brick to Metal	
31922	17A-080124-FR	Door Frame West Throughout	Light Gray Caulk	Metal to Brick	
31923	17B-080124-FR	Door Frame West Throughout	Light Gray Caulk	Metal to Brick	
31924	18A-080124-FR	West Side Center Door Frame	Silver Caulk	Metal to Brick	
31925	18B-080124-FR	West Side Center Door Frame	Silver Caulk	Metal to Brick	

Commented [KR1]: In order to type the project information at the top of the page, either double click at the top of the page to open the header area or right click and choose Edit Header. This should copy on every page. Finally, click on the Review tab at the top of the screen and change "All Markup" to "No Markup" so that this comment will not display or print.

Analysis Method: **EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis)** Laboratory: Phoenix Labs Turnaround Time: 24 Hours

Concentration Code: H=High, M=Medium, L=Low, C=Clean, U=Unknown

E-Mail PDF of Results to LabResults@fando.com and CARLOS.TEXIDOR@fando.com

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Caps

Samples Collected By: Felix Revoir **Contact Info:** _____ **Date:** 8/1/2024 **Time:** _____

Relinquished [By][To] [Felix Revoir][Phoenix Labs Ashley See] **Date:** 8/1/2024 **Time:** 15:43

Relinquished [By][To] [_____][_____] **Date:** _____ **Time:** _____

Relinquished [By][To] [_____][_____] **Date:** _____ **Time:** _____

Appendix H

PCB Substrate Laboratory Report and Chain of Custody Form

PHOENIX
Environmental Laboratories, Inc.

Friday, August 23, 2024

Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Project ID: 794-810 & 832-850 SILVER LANE
SDG ID: GCR44748
Sample ID#s: CR44748 - CR44765

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.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

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

August 23, 2024

SDG I.D.: GCR44748

Project ID: 794-810 & 832-850 SILVER LANE

Client Id	Lab Id	Matrix
01A-082024-FR	CR44748	CONCRETE
01B-082024-FR	CR44749	CONCRETE
01C-082024-FR	CR44750	CONCRETE
02A-082024-FR	CR44751	CONCRETE
02B-082024-FR	CR44752	CONCRETE
02C-082024-FR	CR44753	CONCRETE
03A-082024-FR	CR44754	BRICK
03B-082024-FR	CR44755	BRICK
03C-082024-FR	CR44756	BRICK
04A-082024-FR	CR44757	STONE
04B-082024-FR	CR44758	STONE
04C-082024-FR	CR44759	STONE
05A-082024-FR	CR44760	BRICK
05B-082024-FR	CR44761	BRICK
05C-082024-FR	CR44762	BRICK
06A-082024-FR	CR44763	CONCRETE
06B-082024-FR	CR44764	CONCRETE
06C-082024-FR	CR44765	CONCRETE

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44748

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 01A-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1221	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1232	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1242	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1248	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1254	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1260	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1262	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1268	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
Total PCBs	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	92		%	5	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	98		%	5	08/21/24	SC	30 - 150 %
% TCMX	91		%	5	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	92		%	5	08/21/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

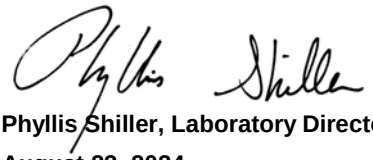
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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
August 23, 2024
Reviewed and Released by: Rashmi Makol, 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

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44749

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 01B-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1221	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1232	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1242	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1248	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1254	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1260	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1262	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1268	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
Total PCBs	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	91		%	2	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	91		%	2	08/21/24	SC	30 - 150 %
% TCMX	86		%	2	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	84		%	2	08/21/24	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:

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All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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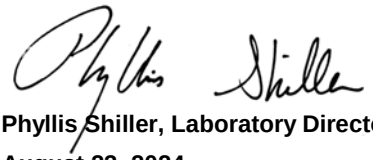

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44750

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 01C-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1221	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1232	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1242	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1248	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1254	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1260	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1262	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1268	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
Total PCBs	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	95		%	5	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	101		%	5	08/21/24	SC	30 - 150 %
% TCMX	92		%	5	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	93		%	5	08/21/24	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:

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All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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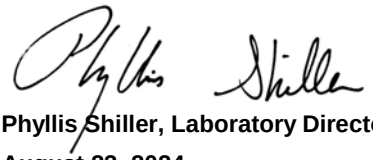

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44751

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 02A-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1221	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1232	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1242	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1248	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1254	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1260	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1262	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1268	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
Total PCBs	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	89		%	2	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	91		%	2	08/21/24	SC	30 - 150 %
% TCMX	87		%	2	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	85		%	2	08/21/24	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:

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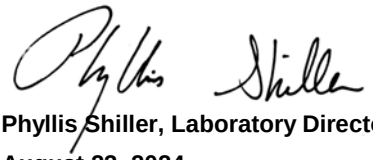

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44752

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 02B-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1221	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1232	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1242	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1248	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1254	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1260	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1262	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1268	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
Total PCBs	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	102		%	5	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	100		%	5	08/21/24	SC	30 - 150 %
% TCMX	94		%	5	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	95		%	5	08/21/24	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:

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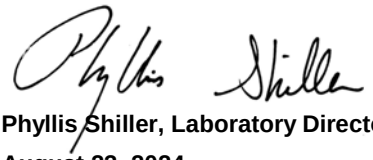

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44753

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 02C-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1221	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1232	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1242	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1248	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1254	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1260	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1262	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1268	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
Total PCBs	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	105		%	5	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	104		%	5	08/21/24	SC	30 - 150 %
% TCMX	97		%	5	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	97		%	5	08/21/24	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
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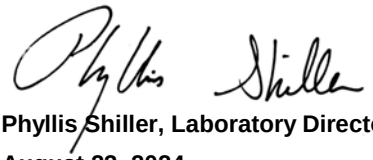

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	BRICK	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44754

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 03A-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1221	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1232	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1242	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1248	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1254	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1260	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1262	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1268	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
Total PCBs	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	71		%	2	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	79		%	2	08/21/24	SC	30 - 150 %
% TCMX	73		%	2	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	78		%	2	08/21/24	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:

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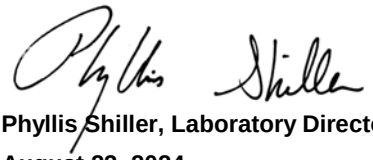

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	BRICK	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44755

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 03B-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1221	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1232	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1242	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1248	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1254	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1260	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1262	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1268	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
Total PCBs	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	90		%	5	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	102		%	5	08/21/24	SC	30 - 150 %
% TCMX	89		%	5	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	94		%	5	08/21/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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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.

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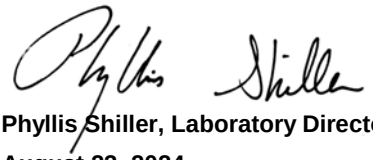

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	BRICK	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44756

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 03C-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.79	mg/kg	5	08/21/24	SC	SW8082A
PCB-1221	ND	0.79	mg/kg	5	08/21/24	SC	SW8082A
PCB-1232	ND	0.79	mg/kg	5	08/21/24	SC	SW8082A
PCB-1242	ND	0.79	mg/kg	5	08/21/24	SC	SW8082A
PCB-1248	ND	0.79	mg/kg	5	08/21/24	SC	SW8082A
PCB-1254	ND	0.79	mg/kg	5	08/21/24	SC	SW8082A
PCB-1260	ND	0.79	mg/kg	5	08/21/24	SC	SW8082A
PCB-1262	ND	0.79	mg/kg	5	08/21/24	SC	SW8082A
PCB-1268	ND	0.79	mg/kg	5	08/21/24	SC	SW8082A
Total PCBs	ND	0.79	mg/kg	5	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	104		%	5	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	104		%	5	08/21/24	SC	30 - 150 %
% TCMX	97		%	5	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	96		%	5	08/21/24	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
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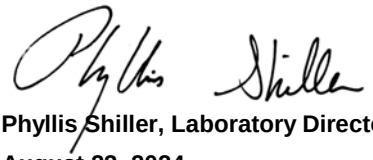

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	STONE	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44757

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 04A-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.8	mg/kg	5	08/21/24	SC	SW8082A
PCB-1221	ND	0.8	mg/kg	5	08/21/24	SC	SW8082A
PCB-1232	ND	0.8	mg/kg	5	08/21/24	SC	SW8082A
PCB-1242	ND	0.8	mg/kg	5	08/21/24	SC	SW8082A
PCB-1248	ND	0.8	mg/kg	5	08/21/24	SC	SW8082A
PCB-1254	ND	0.8	mg/kg	5	08/21/24	SC	SW8082A
PCB-1260	ND	0.8	mg/kg	5	08/21/24	SC	SW8082A
PCB-1262	ND	0.8	mg/kg	5	08/21/24	SC	SW8082A
PCB-1268	ND	0.8	mg/kg	5	08/21/24	SC	SW8082A
Total PCBs	ND	0.8	mg/kg	5	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	100		%	5	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	98		%	5	08/21/24	SC	30 - 150 %
% TCMX	93		%	5	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	92		%	5	08/21/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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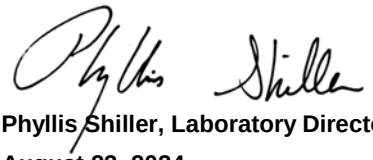

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	STONE	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44758

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 04B-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1221	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1232	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1242	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1248	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1254	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1260	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1262	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
PCB-1268	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
Total PCBs	ND	0.33	mg/kg	2	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	87		%	2	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	91		%	2	08/21/24	SC	30 - 150 %
% TCMX	83		%	2	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	86		%	2	08/21/24	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.

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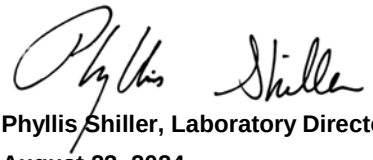

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	STONE	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44759

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 04C-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1221	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1232	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1242	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1248	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1254	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1260	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1262	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
PCB-1268	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
Total PCBs	ND	0.73	mg/kg	5	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	90		%	5	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	103		%	5	08/21/24	SC	30 - 150 %
% TCMX	92		%	5	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	95		%	5	08/21/24	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.

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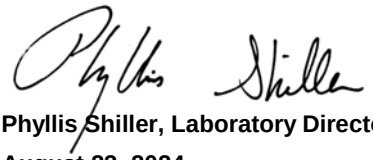

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	BRICK	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44760

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 05A-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1221	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1232	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1242	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1248	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1254	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1260	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1262	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1268	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
Total PCBs	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	88		%	5	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	101		%	5	08/21/24	SC	30 - 150 %
% TCMX	90		%	5	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	93		%	5	08/21/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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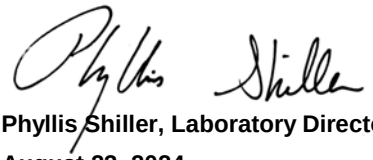

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	BRICK	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44761

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 05B-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1221	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1232	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1242	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1248	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1254	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1260	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1262	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
PCB-1268	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
Total PCBs	ND	0.75	mg/kg	5	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	110		%	5	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	104		%	5	08/21/24	SC	30 - 150 %
% TCMX	99		%	5	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	96		%	5	08/21/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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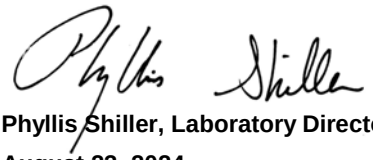

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	BRICK	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44762

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 05C-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.74	mg/kg	5	08/21/24	SC	SW8082A
PCB-1221	ND	0.74	mg/kg	5	08/21/24	SC	SW8082A
PCB-1232	ND	0.74	mg/kg	5	08/21/24	SC	SW8082A
PCB-1242	ND	0.74	mg/kg	5	08/21/24	SC	SW8082A
PCB-1248	ND	0.74	mg/kg	5	08/21/24	SC	SW8082A
PCB-1254	ND	0.74	mg/kg	5	08/21/24	SC	SW8082A
PCB-1260	ND	0.74	mg/kg	5	08/21/24	SC	SW8082A
PCB-1262	ND	0.74	mg/kg	5	08/21/24	SC	SW8082A
PCB-1268	ND	0.74	mg/kg	5	08/21/24	SC	SW8082A
Total PCBs	ND	0.74	mg/kg	5	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	80		%	5	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	76		%	5	08/21/24	SC	30 - 150 %
% TCMX	74		%	5	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	73		%	5	08/21/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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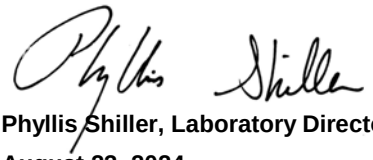

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44763

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 06A-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1221	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1232	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1242	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1248	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1254	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1260	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1262	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
PCB-1268	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
Total PCBs	ND	0.77	mg/kg	5	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	110		%	5	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	105		%	5	08/21/24	SC	30 - 150 %
% TCMX	102		%	5	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	97		%	5	08/21/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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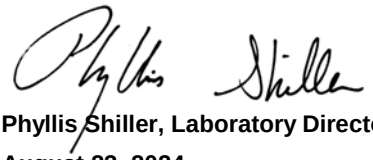

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44764

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 06B-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1221	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1232	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1242	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1248	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1254	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1260	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1262	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
PCB-1268	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
Total PCBs	ND	0.32	mg/kg	2	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	81		%	2	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	87		%	2	08/21/24	SC	30 - 150 %
% TCMX	78		%	2	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	82		%	2	08/21/24	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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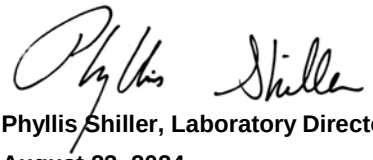

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2024

FOR: Attn: Carlos Texidor
Fuss & O'Neill
145 Hartford Road
Manchester, CT 06040

Sample Information		Custody Information		Date	Time
Matrix:	CONCRETE	Collected by:	FR	08/20/24	
Location Code:	F&O-LABRESPCB	Received by:	B	08/20/24	14:43
Rush Request:	48 Hour	Analyzed by:	see "By" below		
P.O.#:	20230389.A11 TASK 2				

Laboratory Data

SDG ID: GCR44748
Phoenix ID: CR44765

Project ID: 794-810 & 832-850 SILVER LANE
Client ID: 06C-082024-FR

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				08/20/24	R/RB	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1221	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1232	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1242	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1248	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1254	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1260	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1262	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
PCB-1268	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
Total PCBs	ND	0.76	mg/kg	5	08/21/24	SC	SW8082A
QA/QC Surrogates							
% DCBP	109		%	5	08/21/24	SC	30 - 150 %
% DCBP (Confirmation)	105		%	5	08/21/24	SC	30 - 150 %
% TCMX	95		%	5	08/21/24	SC	30 - 150 %
% TCMX (Confirmation)	95		%	5	08/21/24	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
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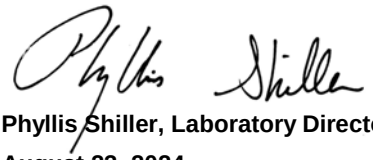

Phyllis Shiller, Laboratory Director
August 23, 2024
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

QA/QC Report

August 23, 2024

QA/QC Data

SDG I.D.: GCR44748

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 745619 (ug/Kg), QC Sample No: CR41383 10X (CR44748, CR44749, CR44750, CR44751, CR44752, CR44753, CR44754, CR44755, CR44756, CR44757, CR44758, CR44759, CR44760, CR44761, CR44762, CR44763, CR44764, CR44765)										
Polychlorinated Biphenyls										
PCB-1016	ND	170	108	107	0.9				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	108	109	0.9				40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	106	%	112	111	0.9				30 - 150	30
% DCBP (Surrogate Rec) (Confirm	113	%	115	113	1.8				30 - 150	30
% TCMX (Surrogate Rec)	103	%	103	104	1.0				30 - 150	30
% TCMX (Surrogate Rec) (Confirm	103	%	106	106	0.0				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
August 23, 2024

Friday, August 23, 2024

Criteria: None

State: CT

Sample Criteria Exceedances Report

GCR44748 - 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.

Bureau of Water Protection and Land Reuse
Remediation Division

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name Phoenix Environmental Labs, Inc.	Client Name
Project Location 794-810 & 832-850 SILVER LANE	Project No.
Sampling Date(s) 8/20/2024	Laboratory Sample ID(s): CR44748-CR44765

LIST RCP METHODS USED (e.g., 8260,8270, etc.) 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 DEEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method-specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH methods only: Was the VPH or EPH method conducted without significant modifications (see respective RCPs)	☐ Yes ☐ No ☑ NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (≤6° C)? *If samples were received by the laboratory on the same day of collection and were stored and transported to the laboratory on ice, cooler temperatures above 6ºC are acceptable.*	☑ Yes ☐ No ☐ NA
4	Were all QA/QC performance criteria specified in the CT DEEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5	Were reporting limits / limits of quantitation specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5a	Were these reporting limits / limits of quantitation met?	☑ Yes ☐ 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?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set for applicable RCPs?	☐ Yes ☑ 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: Rashmi Makol Position: Project Manager

Printed Name: Rashmi Makol Date: Friday, August 23, 2024

Name of Laboratory Phoenix Environmental Laboratory, 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

NY # 11301

RCP Certification Report

August 23, 2024

SDG I.D.: GCR44748

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-ECD1 08/21/24-1 Saadia Chudary, Chemist 08/21/24

CR44748 (5X), CR44750 (5X), CR44764 (2X)

The initial calibration (PC0809AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0809BI) 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 08/21/24-1 Saadia Chudary, Chemist 08/21/24

CR44754 (2X), CR44755 (5X), CR44759 (5X), CR44760 (5X)

The initial calibration (PC0805AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0805BI) 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 08/21/24-1 Saadia Chudary, Chemist 08/21/24

CR44749 (2X), CR44751 (2X), CR44752 (5X), CR44753 (5X), CR44756 (5X), CR44757 (5X), CR44758 (2X), CR44761 (5X), CR44762 (5X), CR44763 (5X), CR44765 (5X)

The initial calibration (PC0813AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0813BI) 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 745619 (CR41383)

CR44748, CR44749, CR44750, CR44751, CR44752, CR44753, CR44754, CR44755, CR44756, CR44757, CR44758, CR44759, CR44760, CR44761, CR44762, CR44763, CR44764, CR44765

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 9.0C with cooling initiated.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

FUSS & O'NEILL

146 Hartford Road, Manchester, CT 06040

www.fando.com
(860) 646-2469 Fax (860) 533-5143

PCB Substrate Sample Chain of Custody Form

9.0
WC 1P

Sheet 1 of 2

Project Name: 794-810 & 832-850 Silver Lane Project Number: 20230389.A11 Task 200 Date: 8/20/2024

Site Address: 794-810 & 832-850 Silver Lane, East Hartford, Connecticut Building Name/Number: Building A & B Project Manager: C.Texidor

	Sample ID	Sample Location	Associated PCB Material (PCB Content)	Substrate	Distance/ Depth in Inches
	Building A				
44748	01A-082024-FR	Walkway to Building Southeast Corner	Old Gray Caulk	Concrete	0.5 inches
44749	01B-082024-FR	Walkway to Building Southeast Corner	Old Gray Caulk	Concrete	1.0 inches
44750	01C-082024-FR	Walkway to Building Southeast Corner	Old Gray Caulk	Concrete	3.0 inches
44751	02A-082024-FR	Walkway Repair Center East	Black Caulk	Concrete	0.5 inches
44752	02B-082024-FR	Walkway Repair Center East	Black Caulk	Concrete	1.0 inches
44753	02C-082024-FR	Walkway Repair Center East	Black Caulk	Concrete	3.0 inches
44754	03A-082024-FR	East Face throughout Vertical and Horizontal	White Caulk	Brick	0.5 inches
44755	03B-082024-FR	East Face throughout Vertical and Horizontal	White Caulk	Brick	1.0 inches
44756	03C-082024-FR	East Face throughout Vertical and Horizontal	White Caulk	Brick	3.0 inches
44757	04A-082024-FR	Doorway to 2nd Floor Lobby	Gray Caulk	Stone	0.5 inches
44758	04B-082024-FR	Doorway to 2nd Floor Lobby	Gray Caulk	Stone	1.0 inches
44759	04C-082024-FR	Doorway to 2nd Floor Lobby	Gray Caulk	Stone	3.0 inches
	Building B				
44760	05A-082024-FR	Blue Brick to Window Frame	White Caulk	Brick	0.5 inches
44761	05B-082024-FR	Blue Brick to Window Frame	White Caulk	Brick	1.0 inches
44762	05C-082024-FR	Blue Brick to Window Frame	White Caulk	Brick	3.0 inches

Sheet 2 of 2

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44763	06A-082024-FR	Concrete Walkway to Building Caulk	White Caulk	Concrete	0.5 inches
44764	06B-082024-FR	Concrete Walkway to Building Caulk	White Caulk	Concrete	1.0 inches
44765	06C-082024-FR	Concrete Walkway to Building Caulk	White Caulk	Concrete	3.0 inches

Analysis Method: **EPA Method 3500B/3540C (Extraction) EPA Method 8082 (Analysis)** Laboratory: Phoenix Labs Turnaround Time: 48 Hours (48-Hour is Fastest)

E-Mail PDF of Results to LabResults@fando.com and CARLOS.TEXIDOR@fando.com

Special Instruction/Comments: Preserved with Ice in Glass Jars with Teflon Lined Cap. Samples 05A-082024-FR – 05C-082024-FR have test positive for lead paint.

Samples Collected By: Felix Revoir **Contact Info:** 860-965-8981 **Date:** 8/20/2024 **Time:**

Relinquished [By][To] [Felix Revoir][Phoenix Labs] **Date:** 8/20/2024 **Time:**

Relinquished [By][To] [ ][ ] **Date:** 8/20/24 **Time:** 14:43

Relinquished [By][To] [ ][ ] **Date:** **Time:**

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-6: COST/REVENUE ANALYSIS OF DEMOLITION WASTE REDUCTION WORK PLAN								
MATERIALS	**TOTAL QUANTITY OF MATERIALS (VOL. OR WEIGHT) (A)**	**EST. COST OF DISPOSAL (B)**	**TOTAL EST. COST OF DISPOSAL (C = A x B)**	**REVENUE FROM SALVAGED MATERIALS (D)**	**REVENUE FROM RECYCLED MATERIALS (E)**	**LANDFILL TIPPING FEES AVOIDED (F)**	**HANDLING AND TRANSPORTATION COSTS AVOIDED (G)**	**NET COST SAVINGS OF WORK PLAN (H = D+E+F+G)**
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								
Mech. 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:								

* * * * *

Cleanup

Dust/Mud Control

Provide mitigation/control of fugitive dust and tracking of soil onto the public right of way. Promptly remove any and all earthen materials and other debris from the public way.

Removal of Debris

All materials not approved for backfilling shall be legally disposed of, off-site.

Foundation Hole

Open foundations must be protected; backfill of holes shall be done only with approved spoil or clean soils; graded to eliminate any standing water.

DEMOLITIONS

NOTES

Location Date

Inspector Time

PENALTIES

Fines are established by ordinance for failure to safely and neatly maintain these conditions. A fine of up to $99 can be assessed for uncorrected violations.

Information/questions, call 291-7340 [8:30-4:30]

Town of East Hartford

DEMOLITION OF BUILDINGS

Historic District Commission
Approval = Checklist #2

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 n 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

FOR STATE USE ONLY	
Postmark Date	
Check #	
Transmittal No.	
Amount Paid	
Record No.	

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. A check in that amount made payable to **"Treasurer, State of Connecticut"** must be submitted with the notification form. In case of emergency notifications, this form is to be completed and postmarked or hand delivered within one (1) working day following the start of demolition. **A copy of the written order requiring demolition prepared by a state or local building official shall accompany each emergency demolition notification.** Faxed originals are not acceptable. Revisions to the original notification form may be faxed. Further instructions are found on back of this form.

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

6. USE OF FACILITY:

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)

7. BUILDING DATA: SQUARE FEET: | # OF FLOORS: | AGE:

8. DEMOLITION CONTRACTOR:

NAME: CONTACT PERSON:

ADDRESS:

CITY: STATE:

ZIP: PHONE NO.:

9. DEMOLITION DISPOSAL FACILITY:

NAME:

ADDRESS:

CITY: STATE:

ZIP: PHONE NO.:

10. DEMOLITION WASTE HAULER:

NAME:

ADDRESS:

CITY: STATE:

ZIP: PHONE NO.:

11. PERSON COMPLETING THIS FORM:

NAME:

ADDRESS:

CITY: STATE:

ZIP: PHONE NO.:

SIGNATURE **DATE:**

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.[1] 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.

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[1] 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 Maine. 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.[2]

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

[2] 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,

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