Submitted to the DEP for Final Review

NON-TRADITIONAL ASBESTOS ABATEMENT WORK PRACTICES

Emergency Dismantling of Riverview Condominiums
221 Mount Auburn Street
Cambridge, Massachusetts

Prepared for:

City of Cambridge
795 Massachusetts Avenue
Cambridge, MA 02139

Prepared by:

Glenn N Potter
MA DLS Asbestos Designer #AD 000785
TRC Environmental Corporation
300 Wildwood Avenue
Woburn, MA 01801

TRC Project 000682990

December 3, 2025

CONTENTS

ATTACHMENTS

I - BACKGROUND

TRC Environmental Corporation (TRC), on behalf of the City of Cambridge, is requesting a Non-Traditional Asbestos Abatement Work Practice (NTWP) Approval from the Commonwealth of Massachusetts Department of Environmental Protection (MassDEP). We are requesting the approval of methods to demolish the nine story condominiums building located at 221 Mount Auburn Street, Cambridge, Massachusetts ("The Building") down to the ground floor slab.

A board of survey convened by the City of Cambridge found that The Building is structurally compromised and must be immediately razed. The City of Cambridge Board of Survey letter states:

". . . the building located at 221 Mount Auburn Street in Cambridge MA cannot be shored up or repaired, and it would be unsafe for anyone to be placed in the Building. The Building must be immediately razed due to being structurally compromised and posing an immediate danger to life or limb."

The complete document is available online at:

https://www.cambridgema.gov/Departments/capitalbuildingprojects/projectsinitiatives/221mtauburnstreet

A court order confirmed the City's authority to conduct the demolition and recover the costs associated with the work. The order was supported by both the City and the Riverview Condominium Trust. For the purposes of this NTWP plan, "Applicant" refers to the City of Cambridge. "Owner" refers to Riverview-in-Cambridge Condominium Trust.

The Building was reportedly constructed in 1963, which was prior to any prohibitions in the installation of building materials containing asbestos. The laboratory analysis results of limited asbestos sampling conducted in the building indicates that the building was constructed with various asbestos-containing materials (ACMs), including thermal system insulation on heating and plumbing systems, various flooring finishes, joint compound associated with gypsum board, and textured ceiling finishes (aka "popcorn"). Available asbestos laboratory reports are provided as Attachment A. Note that the ACMs previously identified in the boiler room were abated in 2012 under the following asbestos notifications:

- ANF001 #100149055, June 11-22, 2012
- ANF001 #100149056, June 11-22, 2012
- ANF001 #100147838, May 22, 2012
- ANF001 #100147841, May 22, 2012

Entry to the building for the purposes of completing pre-demolition surveys for asbestos and other potentially hazardous building materials or asbestos abatement activities cannot be performed due to the risk of sudden building collapse, therefore, NTWP procedures are required to safely demolish The Building.

II - NTWP PURPOSE

The purpose of this NTWP is to obtain MassDEP approval to:

- Controlled demolition of the building down to the slab
- Bulk loading of demolition debris
- Transport and disposal of demolition debris as ACWM
- Decontamination of large uncoated building components for disposal or recycling as regular C & D waste
- Decontamination of any white goods (refrigerators, stoves, dishwashers, washer/dryer units, etc.) for proper disposal / recycling
- Protection of life and safety of workers
- Prevent release of asbestos to adjacent residences and the environment
- Allow future access to the site by non-asbestos trained persons

This NTWP seeks relief from the following requirements under 310 CMR 7.15:

- 7.15 (4) – Survey Requirements – Thoroughly inspect the facility or facility component, or those parts thereof where the demolition or renovation will occur. (Building entry for any purposes is prohibited).
- 7.15 (5) – Removal Requirements - Remove and dispose of any ACM in accordance with 310 CMR 7.15, prior to conducting any demolition and/or any renovation. (Building entry for any purposes is prohibited).
- 7.15 (7)(c)4 - Isolation of work area (enclosure of this large exterior work site is not feasible).
- 7.15 (7)(e) - Requirements for work area ventilation systems (negative pressure ventilation is not feasible due to the nature of this exterior work site).
- 7.15 (7)(f) 3 - Containerization of ACWM (bulk loading methods will be utilized).

The non-traditional work practices proposed will not result in the discharge of visible emissions of asbestos to the outside air, will keep ACM adequately wet, comply with all other applicable requirements of 310 CMR 7.15, will not pose significant risk to public health, safety or the environment, and is otherwise consistent with the requirements of applicable federal, state and local laws and regulations.

III – PROJECT TEAM

Owner:

Riverview-in-Cambridge Condominium Trust c/o Proskauer
One International Place
Boston, MA 02110

Applicant:

City of Cambridge
795 Massachusetts Avenue
Cambridge, MA 02139

Structural Consultant:

Simpson Gumpertz & Heger
800 Boylston Street, Suite 2320
Boston, MA 02199

Asbestos Consultant:

TRC Environmental Corporation (TRC)
300 Wildwood Avenue
Woburn, MA 01801
AF67 - Expires: 09/15/2026
AA269 – Expires: 09/16/2026

General Contractor:

Consigli Construction Company
313 Congress Street
Boston, MA 02210

Demolition/Asbestos Contractor:

NorthStar Contracting Group, Inc. (NorthStar)
401 S Second Street
Everett, MA 02149
AC000097 - Expires: 07/14/2026

ACWM Transporters:

ICC Trucking
110 N Bridge Street
Holyoke, MA

LG Trucking & Repair Inc.
304 Gates Mountain Road
Howard, PA

Weigle Trucking
274 Reynolds Road
Linden, PA

Note: If transporters are added to this list, the list will be updated, and additions will be provided to DEP.

Primary Disposal Facility:

Minerva Landfill
9000 Minerva Road
Waynesburg, OH 44688

Alternative/Backup Disposal Facility:

Waste Management of New York, LLC
High Acres Western Expansion Landfill

425 Perinton Parkway
Fairport, NY 14450

MassDEP shall be notified prior to use of the Alternative/Backup Disposal Facility.

IV - GENERAL REQUIREMENTS AND PROCEDURES

1. If the perimeter air monitoring results reach or exceed 0.010 f/cc, MassDEP, Applicant, and Owner shall be notified immediately by phone call and email and work must stop.
2. All air monitoring results will be emailed on a daily basis to: NERO.Asbestos@mass.gov.
3. If visible emissions are observed, work must stop and MassDEP, Applicant, and Owner shall be notified immediately by phone call and email.
4. A point of contact list for the project team is provided as Attachment G and will be posted at the job site. The point of contact list will be updated as needed during the project and distributed to MassDEP and project team.
5. Any proposed changes to this NTWP shall be submitted via an addendum for review and approval by MassDEP.
6. MassDEP requires pre-abatement and post-abatement inspections for each phase of work. Demolition work shall not start until the MassDEP pre-inspection has been conducted. The Abatement Contractor shall provide advance notice to schedule the required inspections. Scheduling of such inspections will be determined by MassDEP availability.
7. All requirements of the NTWP must be onsite, set-up, and in place at the time of the MassDEP pre-inspections.
8. Notification shall be made to the Massachusetts Asbestos Program, the City of Cambridge Fire Department and City of Cambridge Inspectional Services.
9. All work will be performed in accordance with this NTWP and applicable federal, state and local regulations.
10. Work shall immediately stop and the MassDEP and City of Cambridge Fire Department shall be notified by phone call and email of any sudden full or partial structural collapse or evidence of eminent collapse.

V - SCHEDULE AND SEQUENCE OF WORK

Schedule:

1. Demolition is anticipated to commence in early December. Site preparation is ongoing.
2. The demolition of the building down to the slab is anticipated to take 12-16 weeks and an additional 4-6 weeks is required to complete loading all waste from the site, final cleaning, and post inspections.

3. NorthStar shall perform demolition of the building in accordance with the Howard I. Shapiro & Associates EMERGENCY DEMOLITION OF 9-STORY BLDG plans, including drawings DM-010.00 through DM-030.00 dated November 19, 2025, which are adopted and incorporated herein by reference.
4. The working hours will be provided in the asbestos notification form but are anticipated to be from 7:00 am until 4:00 pm. Weekend work is not currently anticipated, however, if it becomes necessary, (e.g. 205 schedule milestone is in jeopardy), MassDEP shall be informed.
5. A Consigli representative will be on site to check site conditions on weekends and will notify NorthStar and TRC of any dust control issues requiring a response prior to the next regular workday. TRC will notify MassDEP of any reported dust control issues requiring a weekend response.

Sequence of Work:

1. Obtain MassDEP NT Work Plan Approval and 10-day Notification Period Waiver.
2. File AQ04 Notification (AQ06 Notification has previously been filed by Consigli).
3. File City of Cambridge Inspectional Services Asbestos Permit.
4. Notify City of Cambridge Fire Department.
5. Prepare the regulated area as described herein.
6. Obtain MassDEP approval to begin work in the regulated area.
7. TRC initiates daily air monitoring of the regulated area.
8. Demolition and waste removal will proceed as detailed in the drawings and procedures provided by NorthStar's Professional Engineer.
9. TRC and MassDEP shall be notified to perform post removal inspections of the regulated area, and any deficiencies shall be addressed by the Abatement Contractor.

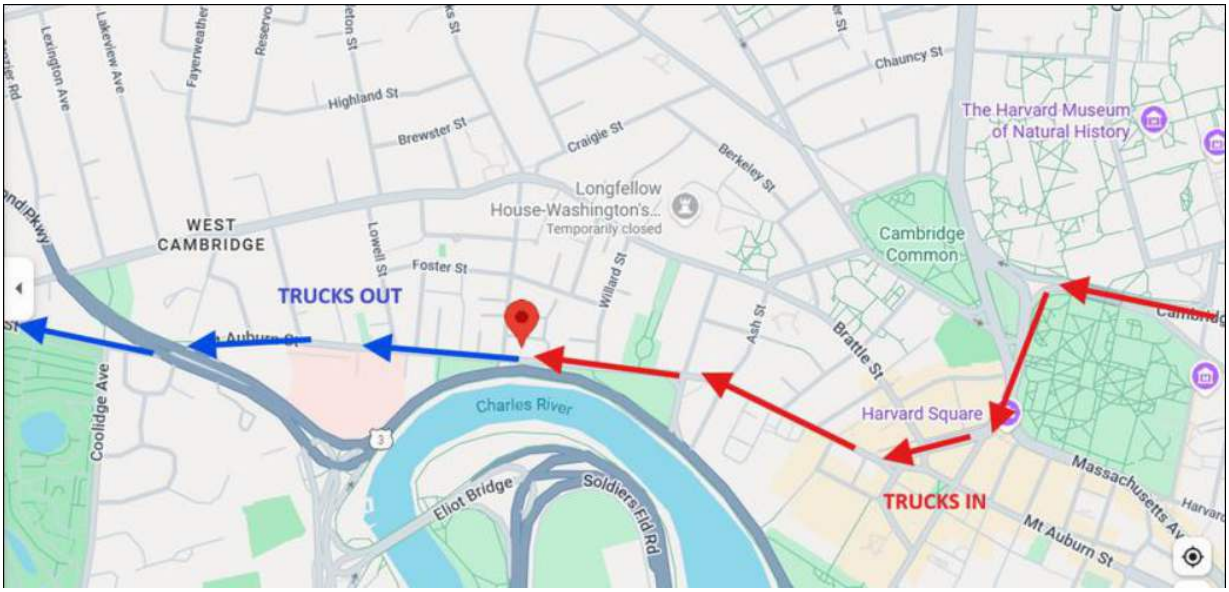
VI - BULK LOADING, HAULING AND DISPOSAL

1. Empty waste transport trucks will approach the site on Mt Auburn Street from the east. Bulk waste transport containers shall be prepared by lining with double 10-mil thickness prefabricated liners appropriately sized for the containers or trailers to be used for transport to the landfill. The transport containers will be lined on Mt Auburn Street at the southeast corner of the work site prior to loading.
2. Two 10-ml poly form fitting bladder liners are required to fit the trailers with sufficient overhang on all four sides to allow for loading and proper sealing of waste. Each liner shall be individually sealed and not cut or altered in any way.
3. An assisting excavator will load waste transport containers from the waste stockpile. The excavator is capable of reaching out approximately forty (40) feet in any direction and will be positioned between the waste stockpile and transport containers at a distance determined by the operator to most efficiently load the transport containers.

4. Immediately following loading of the waste, the waste transport vehicle will be moved to a location within the regulated asbestos area but outside of the 42' safety zone to allow workers to proceed with sealing of the liners. Each liner shall be individually folded inward, overlapping adjacent sides, and sealed using duct tape and spray adhesive. Loaded and sealed trucks will enter the truck wash unit, which will be located on Mt Auburn Street, and will exit to the west.
5. Trucking Route - The map below identifies the anticipated inbound and outbound waste transport truck routes.

   Inbound trucks coming to the site will enter from Boston traveling west down Cambridge Street then will bear left on to Massachusetts Avenue then right onto Brattle Street then turning right onto Mt Auburn Street.

Outbound trucks exiting will travel west down Mt Auburn Street/Route 16 then on Galen Street to Centre Street then merge onto the Massachusetts Turnpike.



6. Provide all OSHA, EPA, and DOT markings for all disposal bags and all bulk containers utilized to transport contaminated material to the landfill.
7. All bulk-loaded vehicles must be labeled on all sides with appropriate OSHA, EPA, and DOT labels, including DOT requirements for reportable quantities of friable "white" (chrysotile) asbestos. Provide all OSHA, EPA, and Department of Transportation (DOT) markings (NA 2212) for all disposal bags, drums and containers utilized to transport ACWM to the landfill.
8. Placards (2212) will be placed on all four sides of the transport vehicle during the lining process and before the vehicle enters the exclusion zone. NorthStar personnel will not load any vehicle if the proper placards are not in place prior to loading. NorthStar's competent person will perform an inspection of labels on sealed liners and will ensure the truck liners are properly sealed. A minimum of four 2212 placards will be in place on the four sides of the transport vehicles and a minimum of five generator labels, a

minimum of five DOT #9 labels, and a minimum of five OSHA asbestos warning labels will be secured to each load once the load is sealed and before the load leaves the site.

9. The weight of each transport vehicle will be estimated using air pressure gauges located within the cabs of the vehicle. The estimated weight of each loaded truck will be recorded on a daily site log along with the corresponding AWSR. The daily log with estimated vehicle weights and AWSRs will be available to DEP for review upon request.
10. Excess materials that may create an overloaded vehicle will be removed from the loaded trailer while the vehicle is still within the exclusion zone.
11. Once loaded, sealed, washed, and moved out of the exclusion zone, NorthStar personnel will enter the tractor of the transport vehicle to confirm that the air gauge indicates that the vehicle is not over the legal weight limits for the vehicle.
12. Document actual disposal of the waste at the designated landfill by completing an asbestos Waste Shipment Record and forwarding the original to the Owner within 30 days of transport from site.
13. Copies of asbestos Waste Shipment Records shall be provided to MassDEP on the day the waste leaves the site of origin for disposal.
14. The final disposal facility for the ACWM will be Minerva Landfill located in Waynesburg, Ohio.
15. The alternative/backup disposal facility for the ACWM will be High Acres Western Expansion Landfill, Fairport, New York. MassDEP shall be notified prior to any planned use of the Alternative/Backup Disposal Facility.
16. Stockpiled demolition debris locations. The plan is designed to conduct demolition in 6 sequence steps. These steps are based primarily on the four quadrants of the building. As demolition occurs in each quadrant, debris will be stockpiled within and directly adjacent to the working quadrant as needed for each phase.
17. Stockpiled demolition debris will be maintained wet by NorthStar workers via water spraying using fire hoses during working hours. A dust control product (e.g. Guerilla Snot) will be applied to stockpiled demolition debris remaining on site at the end of each work shift to prevent dust emissions. NorthStar workers will respond to the site during off hours and weekends to apply additional dust control solutions to the stockpiled demolition debris when necessary to control dust emissions.
18. Non-porous material that will be decontaminated and recycled will be segregated adjacent to the debris stockpile established for each phase of demolition. As debris accumulates and requires segregation, NorthStar will begin sorting through materials accordingly. Materials to be decontaminated will then be relocated to the decontamination wash pad unit.

VII - WORKER TRAINING AND QUALIFICATIONS

1. All workers involved in asbestos activities including demolition and waste processing and loading shall have completed the 32-hour Asbestos Worker and/or 40-hour Asbestos Supervisor initial training with current associated refresher training and maintain current MA DLS license as an Asbestos Worker or Supervisor.

2. All asbestos-related work shall be performed under the direct supervision of a qualified competent person/supervisor employed by NorthStar who has successfully completed the EPA's 40-hour Asbestos Abatement Supervisor Course, all required annual refresher training courses, and is currently MA DLS certified.

3. Workers entering the regulated asbestos work area to conduct work other than asbestos activities must have completed the 16-hour Asbestos Operations and Maintenance initial training with current associated refresher training, except for waste transport truck drivers and heavy equipment operators who always remain in completely enclosed cabs while inside the regulated work area.

4. The initial level of respiratory protection to be utilized by workers performing demolition, waste processing, and waste loading activities shall be determined based on NorthStar's historical airborne asbestos exposure results obtained during similar projects.

5. Daily employee exposure monitoring shall be performed on representative workers and the results shall be evaluated on a daily basis by NorthStar's competent person. Minimum personnel protective equipment for workers performing work activities inside of the regulated work area shall be disposable full body coveralls, steel-toe rubber boots, hardhats, eye protection, and half-face air purifying respirators equipped with P-100 filters, unless a greater level of protection is determined to be required by NorthStar's competent person.

6. All personnel wearing respirators shall have documentation of a current qualitative/quantitative fit test that was conducted in accordance with 29 CFR 1910.134 (f).

7. NorthStar shall post all exposure monitoring results at the site within 3 business days of sample collection. Exposure monitoring results shall be made available to all employees characterized by the exposure monitoring results.

VIII –GENERAL SITE PREPARATIONS

1. Access to the greater job site will be controlled by installation of temporary construction fencing.
2. A regulated asbestos work area will be established that encompasses areas of demolition, waste processing, and waste transport vehicle loading. Access to the regulated asbestos work area will be controlled by the temporary construction fencing

and orange plastic safety fencing, asbestos danger tape, etc. Post asbestos danger warning signs at no greater than 25' intervals around the regulated work.

3. Inner (21') and outer (42') safety exclusion zones will be established by NorthStar and will be adjusted inwards as sections of the building are demolished. Due to its proximity to the compromised building, the 21' safety exclusion zone will be marked only by staking the corners. The 42' safety exclusion zone will be marked utilizing cones and yellow safety rope or plastic safety chain. All site personnel will be made aware of the hazards, limits of the safety exclusion zones, and when they are in effect. All site personnel will be made aware of any gaps in the marking of the 42' safety exclusion zone such as locations where heavy machinery is operating.
4. NorthStar shall maintain a log of all persons entering and exiting the work area and restrict access to authorized persons having appropriate asbestos training and personal protective equipment (PPE).
5. A three chamber Decontamination Facility shall be set up in the clean zone adjacent to the regulated work area, constructed and operated as described in OSHA 29 CFR part 1926.1101(j) (1). Changing areas of the Clean Room shall be suitably screened from areas occupied by the public. Decon shall be heated to prevent shower water from freezing. Decon shower water shall be filtered to 5 microns and pumped through hoses into drums. The stored water will be pumped out of the drums via a sump pump and hoses and utilized on site for wetting of the demolition debris.
6. A truck/equipment wash unit will be constructed and used for cleaning of trucks, heavy equipment and waste trailers that are used for waste transfer and bulk loading activities during the project. The truck/equipment wash shall be suitable for wheel washing of waste transport vehicles and heavy equipment upon exiting the regulated work area. The truck/equipment wash shall be constructed of suitable materials in a manner assured to contain and retain all wash water. The base will consist of an impermeable 40-mil rubber matting liner on a hard surface of crushed gravel, surrounded by a berm at least 18" high. Wash water shall pass through a 5-micron filter before being used for wetting of ACWM. The liner shall be removed from beneath the truck wash and disposed of as ACWM at the end of the project.
7. A truck wash unit sketch is provided as Attachment B.
8. NorthStar's asbestos supervisor shall inspect the condition of the truck/equipment wash unit daily and shall always maintain the wash unit in proper working order.
9. Uncoated rebar, structural steel components, and white goods will be decontaminated, when feasible, and bulk loaded for subsequent recycling. Non-porous material that will be decontaminated and recycled will be segregated adjacent to the debris stockpile established for each phase of demolition. A wash pad shall be used for the washing of rebar, structural steel components, and white goods that have no suspect or confirm ACM coatings, sealants, or debris. The wash pad shall be constructed of suitable materials in a manner assured to contain and retain all wash water. The base will consist of an impermeable 40-mil rubber matting liner on a hard surface of crushed gravel, surrounded by a berm at least 18" high. Wash water shall pass through a 5-micron filter before being used for wetting of ACWM. The liner shall

be removed from beneath the wash pad and disposed of as ACWM at the end of the project.

10. A wash pad unit sketch is provided as Attachment C.
11. NorthStar's asbestos supervisor shall inspect the condition of the wash pad unit daily and shall always maintain the wash pad unit in proper working order.
12. Curbing, silt socks, or straw wattles will be installed in areas of water migration around the perimeter to contain runoff and prevent it from escaping the regulated area. Existing storm drains, pits, and pipes located within the asbestos regulated area shall be sealed to prevent discharge of potentially contaminated water from the site.
13. Landscaping and green space areas, e.g., grass, soil, trees, within the regulated area will be covered with impermeable 40-mil rubber matting as needed. At the end of the project, the matting will be disposed of as ACWM and the area will be visually inspected by the project monitor.
14. All persons entering the regulated work areas shall utilize the appropriate level of respiratory protection as specified by current OSHA and MA DLS regulations, including 29 CFR 1926.1101 and 454 CMR 28.00.
15. Workers entering the regulated area shall wear protective disposable clothing including head, hand and foot coverings and utilize all required safety equipment.
16. All equipment, materials and tools will be wiped clean with damp cloths to assure no visible debris is present on them before they are moved out of the regulated asbestos work area. Used polyethylene, tapes, cloths, and cleaning materials shall be disposed as ACWM.
17. A site drawing indicating the approximate locations of the regulated asbestos work area, truck wheel wash, pad, decontamination unit, and truck lining locations is provided as Attachment D.

IX - DUST / FIBER CONTROL MEASURES

1. The main water source used for wetting/misting purposes will be from 3 nearby fire hydrants with adapters.
2. Water spraying via excavator boom mounted water nozzle at demolition interface. Each excavator performing demolition will be equipped with a minimum of one (1) boom mounted water nozzle to be used at all times during active demolition for all phases.
3. Water spraying via boom lift mounted fire hose at demolition interface. At least one (1) boom lift mounted water hose will be available for use at all phases.
4. Misting via elevated dust suppression cannons on platforms. At least one dust suppression cannon will be dedicated to supporting each excavator performing demolition. There will be one in use during each phase. These will be elevated as needed to optimize effectiveness. They will have the ability to be elevated at all times during demolition work.
5. Water spraying via ground level fire hose at debris drop zone, waste processing areas,

and waste loading areas. Loading areas and decontamination zones will be supported by fire hoses no less than 1.5 inches in diameter for each phase.

6. Misting via ground level dust suppression cannons at all active demolition phases and material drop zones. At least one (1) ground level dust suppression cannon will be operated at each material drop zone for each phase.
7. Water spraying via ground level fire hose during each work shift throughout the regulated asbestos area as necessary to prevent dust emissions.
8. Water spraying via ground level fire hose at the end of each work shift to clear dust and debris from hard surfaces by moving the loose materials toward the debris stockpile and drop zone locations.
9. Active demolition shall be temporarily paused if sustained wind speeds exceed 25 mph or gusts that exceed 28 mph. NorthStar's licensed asbestos supervisor, or competent person will be equipped with an anemometer to appropriately monitor wind speeds throughout each work shift. Wind speed measurements shall be logged by NorthStar on a daily basis.
10. During periods of near-freezing temperatures, water supply components will be broken down and stored appropriately to prevent freezing and ensure equipment is functional before each working shift. NorthStar's experience during winter conditions is that these preventive measures are sufficient to allow the continuous use of the dust suppression controls during all but the most extreme freezing temperatures. Should temperatures and freezing prohibit the use of all dust suppression equipment required by this plan, work shall immediately stop until conditions moderate and permit resumption of all dust suppression equipment.
11. Every effort will be made to remove waste from the site on an expedited basis, however, given the condition of the building and emphasis on mitigating the hazard, NorthStar cannot restrict the quantity of debris allowed to accumulate at the end of a work shift.
12. There is also an exclusion zone limiting personnel from entering within 42 feet of the building, therefore, it will not be feasible to cover the debris, which will be maintained in a wet condition, at the end of each work shift. A dust control product (e.g. Guerilla Snot) will also be applied to debris and waste piles remaining on site at the end each shift to prevent dust emissions. NorthStar workers will respond to the site during off hours and weekends to apply additional dust control solutions to the stockpiled demolition debris when necessary to control dust emissions.
13. All vehicles upon exiting the regulated work area will be decontaminated using a fire hose and spray nozzle at the wheel wash unit by the Abatement Contractor.
14. All persons entering the regulated work area shall don full body disposable coveralls with foot coverings. Upon exiting the regulated work area, the disposable coveralls shall be removed in the decontamination area and placed in asbestos disposal bags as ACWM. Drivers and heavy equipment operators who remain inside their vehicles at all times are not required to wear disposable coveralls.
15. Breakage of concrete debris within the drop zone and waste processing areas shall

be limited to the extent necessary for handling and disposal. Excavator operators processing debris shall utilize lifting and breaking methods to the extent feasible. Additional processing needed to reduce concrete rubble and to process rebar will utilize the excavator boom mounted concrete processor tools.

16. Excavation equipment shall be adequately sized to minimize breakage and facilitate handling and bulk loading of sizable pieces of coated concrete.

X – DEMOLITION METHOD

1. NorthStar shall perform demolition of the building in accordance with the Howard I. Shapiro & Associates EMERGENCY DEMOLITION OF 9-STORY BLDG plans, including drawings DM-010.00 through DM-030.00 dated November 19, 2025, which are adopted and incorporated herein by reference.
2. The high-reach excavator is equipped with specialized demolition attachments capable of manipulating and managing the generation of demolition debris. Copies of selected demolition drawings are provided as Attachment E. A full set of the demolition drawings will be hand-delivered to the MassDEP Woburn, Massachusetts office.
3. Mechanical demolition will progress in controlled sections and phases as outlined in the engineered drawings to minimize disturbance and airborne fiber release.
4. At least one dust suppression cannon will be dedicated to supporting each excavator performing demolition. These will be elevated as needed to optimize effectiveness. A full description of dust suppression methods that will be utilized is provided in Section IX above.
5. Northstar will demolish small portions of the structure and then remove the associated debris. This will be accomplished by “combing” the slab below and allowing the debris to fall into a drop zone.
6. An assist excavator will be used to relocate debris from the drop zone to an adjacent processing area, which will be located adjacent to the building quadrant being demolished, which will vary by phase. The reach of the excavators allows the debris to be relocated from the drop zone to the processing area from outside of the 21’ safety exclusion zone.
7. Structural elements will be processed to manageable sizes within the processing area, if required, prior to loading or decontamination. Note that the demolition plan requires the concrete to be demolished into softball size pieces at the demolition interface to minimize impact loads imparted to the slab below, which will reduce the amount of processing required at ground level.
8. In addition to the high-reach excavators, NorthStar will deploy conventional excavators to conduct demolition at lower elevations, as well as to process and bulk-load asbestos containing waste materials.
9. As each phase of demolition is completed, the remaining hard surfaces within the asbestos regulated area will be cleaned of all dust and debris using water spraying

from fire hoses to move the loose materials towards remaining debris stockpile and drop zone locations. Areas outside the safety exclusion zone will be further cleaned by workers using squeegees and plastic shovels.

10. Final site cleaning will be performed by NorthStar at the completion of all demolition. All hard surfaces will be cleaned by workers using wetting, squeegees, and plastic shovels. Rubber matting used to cover landscaping/greenspace areas will be removed and disposed as ACWM and inspected by TRC. Any demolition dust or debris observed in landscaping/greenspace area and 2-inches of underlying soil/mulch will be removed and disposed as ACWM. All heavy equipment, dust suppression cannons, etc., shall be decontaminated by washing at the wash pad or truck wash units. Polyethylene sheeting from decontamination units, water filters, protective coveralls, straw waddles, etc., shall be disposed as ACWM. Gravel and rubber membrane from wash pad and the truck wash units will be removed and disposed as ACWM.

XI - WORK AREA INSPECTIONS AND AIRBORNE FIBER MONITORING

1. Following preparation of the regulated work area, NorthStar shall request an inspection and receive approval from TRC prior to commencing any removal activities in the work area. MassDEP must be notified 24 hours prior to starting the work to allow them the opportunity to conduct a pre-demolition inspection of the regulated work area. Although not anticipated, additional MassDEP inspections will be requested prior to any necessary relocation of the truck wash, wash pad station, and/or personnel decontamination units.
2. Personal air monitoring to document worker exposure is the responsibility of NorthStar. Workers performing asbestos abatement activities within the regulated area will have personal air monitoring using a low flow pump with a standard .8 um PCM cassette filter. Analysis of these samples shall be analyzed at the end of each shift by an accredited asbestos analyst. If the airborne fiber concentrations reach or exceed the OSHA Permissible Exposure Limit (PEL) of 0.1 f/cc of air, then work shall stop and MassDEP and Owner shall be notified by telephone immediately.
3. One or more MA DLS licensed Asbestos Project Monitors provided by TRC shall be on-site for the duration of the asbestos disturbance activities including demolition, waste processing, waste loading, and final site cleanup. TRC Asbestos Project Monitors will perform daily ambient air monitoring at a minimum of six (6) fixed locations surrounding the work area and at least two mobile air monitoring locations that will be relocated on a daily basis to monitor the air in the general proximity of demolition activities.
4. A minimum of one (1) MA DLS licensed Asbestos Project Monitor will be on site at the beginning of each work shift to calibrate and start air monitoring samples in each fixed and mobile location prior to any demolition or waste handling activities. A minimum of two (2) MA DLS licensed Asbestos Project Monitors will be on site between approximately 9:00am and 2:00pm. A minimum of one (1) MA DLS licensed Asbestos Project Monitor will be on site between 2:00pm and the end of the work shift.

5. A calibrated rotameter will be used to measure the airflow in the sampling train immediately prior to and immediately following the collection of the air monitoring samples.
6. The two mobile air monitoring units will be located on mobile lifts (e.g. articulating boom lifts) that can be raised to position the air monitoring equipment at varying heights above ground level. It is anticipated that the mobile lifts will be raised to a maximum safe operation height of approximately forty (40) to fifty (50) feet during demolition of the upper floors and then lowered as demolition progresses from top to bottom (except during the initial demolition of the balcony units, which will proceed from the lower to upper levels).
7. Site drawings indicating approximate perimeter air monitoring locations for each phase of demolition are provided as Attachment F.
8. Demolition activities are not anticipated to occur simultaneously at more than one location initially while working on the upper floors, however, demolition will likely occur in two locations simultaneously for the lower floors. Area air monitoring will be performed at a minimum of two locations in the general proximity of each location where demolition activities occur, including at least one monitor on a mobile lift for sampling at a raised height and one ground level monitor, for sampling at breathing zone height.
9. Two sets of air samples will be collected and analyzed per shift using high volume pumps (morning and afternoon). The minimum number of samples that will be collected during each full shift of demolition will vary between sixteen (16) samples during demolition of the upper floors (high reach excavator only) and twenty (20) samples during demolition of the lower floors (two conventional excavators operating at different building locations). A minimum of two (2) field blanks will also be collected and analyzed during each shift.
10. Ambient air monitoring will be in accordance with the NIOSH 7400 PCM Method.
11. All PCM analysis results will be transmitted via email to MassDEP Regional Asbestos Program on the day the samples are collected at nero.asbestos@mass.gov.
12. MassDEP will be notified by TRC if Perimeter Air Results are ≥ 0.010 f/cc and all demolition and waste processing related work shall stop. MassDEP and Owner shall be notified within 2 hours by TRC, and the work methods shall be evaluated.
13. Additional analysis of any elevated PCM samples may be performed using transmission electron microscopy (TEM) analysis when it is suspected that the elevated fiber levels are due to interference from non-asbestos fibers. The TEM laboratory that will be utilized, if necessary, will be either EMSL or Pace Analytical laboratories located in Woburn, Massachusetts.
14. Whenever work is stopped due to elevated fiber concentrations, work shall not proceed until MassDEP approves corrective changes in work methods or approves restarting the work if it is determined that no changes to work methods are needed.
15. The General Contractor shall provide mobile lift platforms, temporary power and a sufficient number of GFCI protected electrical outlets and extension cords to allow the

Asbestos Project Monitor to collect all required perimeter and proximity area air samples.

16. All fixed perimeter air samples will be collected at breathing zone height, at a minimum of fifty-four inches (54") and a maximum of seventy-two inches (72") above the ground level.
17. Mobile air samples will be collected from mobile platforms at elevations that will vary with the height of active demolition.
18. All fixed and mobile air sampling locations will be outside of the 42' safety zone to allow safe access to perform flow rate calibrations and sample cassette changes.
19. All air filter cassettes will be changed periodically to prevent particulate overloading. Air monitoring series that repeatedly reveal samples that are overloaded with particulate and cannot be analyzed shall be considered to be in noncompliance.
20. Following the demolition of the building to the ground level slab, processing and offsite transport of all waste and building rubble, the Abatement Contractor and TRC will conduct a visual inspection of the regulated work area to ensure there is no visible ACWM debris remaining in the excavated area.
21. MassDEP must be notified 24 hours prior to the completion of the work to allow them the opportunity to conduct a post-inspection at the end the project.

XII - CONTINGENCIES

The following procedures will be implemented if necessary to respond to potential incidents.

<u>The Cambridge Fire Department has established an incident response plan covering potential fire and building collapse at 221 Mt Auburn Street.</u>

The plan includes:

- Knowing there is asbestos, responding members will use SCBAs until the air quality has been determined safe.
- Once on site, fire department staff will:
    - Secure the site.
    - Identify hazards and potential victims on scene.
    - Coordinate with Cambridge Water Department and Eversource to determine if any utilities were affected. The utilities to the building have

been disconnected, so the likelihood of utilities being impacted has been reduced.

- Establish a water supply to the site and maintain a stream on the affected area to reduce the spread of dust.
- Identify any victims. As the building is vacant, the potential for victims is significantly reduced. Construction employees will remain outside the exclusion zone during demolition and there is a sign-in / sign-out process to account for employees within the proximity of the building.
- Determine if surrounding buildings have been structurally impacted.
- 205 MT Auburn Street, the building closest to 221 Mt Auburn Street, will be evacuated through the first 3 phases of demolition, further limiting the potential impacts to adjacent residents.

Full or partial structural collapse or evidence of eminent collapse:

1. All work shall stop with the exception of misting and water spraying activities to control dust and where safe to do so, the removal of any dangling debris from upper levels required for safety purposes.
2. City of Cambridge Fire Department shall be immediately notified by calling **911**.
3. Additional water spraying for dust control measures will be provided by Cambridge Fire Department in accordance with their incident response plan.
4. MassDEP shall be immediately notified. During non-business hours notification will utilize MassDEP's Emergency Response at **1-888-304-1133**.
5. All workers shall first decontaminate, if necessary and safe to do so, then proceed to the project's designated assembly zone as identified in the site-specific Health and Safety Plan (HASP). The Cambridge Fire Department shall be notified of any unaccounted-for individuals.
6. Cambridge Fire Department will establish a water supply to the site and maintain a stream on the affected area to reduce the spread of dust.
7. Demolition and waste processing and loading work shall not continue until permitted by Cambridge Fire Department and MassDEP.

Settled dust complaints on nearby vehicles, exterior structures, or residential properties:

1. Dust complaints will be evaluated on a case-by-case basis for merit based on the distance from the job site, any known visible emissions from demolition activities, the presence of other likely dust sources, etc. The City of Cambridge will determine the response, if any, to settled dust complaints.
2. The City of Cambridge will notify MassDEP via email of all settled dust and/or visible emissions complaints received.

3. If requested by the City of Cambridge, NorthStar may perform cleaning of settled dust using HEPA vacuuming and/or wet methods.. Cleaning will be performed by asbestos trained workers using HEPA vacuuming and/or wet cleaning methods.
4. If required, exterior cleaning of vehicles will be performed using wetting with handheld pump sprayers containing amended water followed by hand wiping with clean soft cloths.
5. If requested by the City of Cambridge, TRC may perform sampling of settled dust from surfaces and laboratory analysis to determine if asbestos fibers are present.
6. MassDEP will be notified of the results of any settled dust sampling performed.

Protection of the 205 Mt Auburn Street building:

1. The building is completely vacant as of 11/17/25 and will remain vacant until the east side of the 221 Mt Auburn Street building is demolished (Sequence 3 of the demolition plan).
2. The west face of the 205 Mt Auburn Street building has been protected with full height scaffolding and scrim netting.
3. There will be eight-foot-tall solid debris barriers in place on the east and west sides of the job site to protect both the 205 Mt Auburn Street and Sparks Street buildings.

ATTACHMENT A

ASBESTOS LABORATORY REPORTS FOR HISTORICAL SAMPLING PERFORMED BY TRC

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066021
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/17/2024

Site: Mechanical Room, Riverview Condominiums, 221 Mt. Auburn St., Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
01a	Mechanical room, above the suspended ceiling	Grey pipe fitting insulation	30%	mineral wool	ND	None
01b	Mechanical room, above the suspended ceiling	Grey pipe fitting insulation	30%	mineral wool	ND	None
01c	Mechanical room above the suspended ceiling	Grey pipe fitting insulation	30%	mineral wool	ND	None
02a	Plenum soffit	Tan plaster base coat		- - -	ND	None
02b	Plenum soffit	Tan plaster base coat		- - -	ND	None
02c	Plenum soffit	Tan plaster base coat		- - -	ND	None
03a	Plenum soffit	White plaster skim coat		- - -	ND	None
03b	Plenum soffit	White plaster skim coat		- - -	ND	None
03c	Plenum soffit	White plaster skim coat		- - -	ND	None

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested, as received by the laboratory.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066020
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/17/2024

Site: Unit 101, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	Grey exterior window caulk	- - -	ND	None
01b	Balcony	Grey exterior window caulk	- - -	ND	None
02a	Living room	Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom downstairs	- -	- -	NA/PS	- -
02c	Bedroom upstairs	- -	- -	NA/PS	- -
03a	Bedroom upstairs	Grey 9x9 floor tile	- - -	10%	Chrysotile
03b	Bedroom upstairs	- -	- -	NA/PS	- -
04a	Bedroom upstairs	Black mastic assoc. with grey floor tile	- - -	10%	Chrysotile
04b	Bedroom upstairs	- -	- -	NA/PS	- -
05a	Hallway	Grey/White popcorn ceiling	- - -	3%	Chrysotile
05b	Hallway	- -	- -	NA/PS	- -

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested, as received by the laboratory.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066019
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/16/2024

Site: Unit 104, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	Grey exterior window caulk	- - -	ND	None
01b	Balcony	Grey exterior window caulk	- - -	ND	None
02a	Living room	Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom	- -	- -	NA/PS	- -
02c	Hallway	- -	- -	NA/PS	- -
03a	Hallway	Grey/White popcorn ceiling	- - -	3%	Chrysotile
03b	Hallway	- -	- -	NA/PS	- -

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066018
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/16/2024

Site: Unit 108, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	Grey exterior window caulk	- - -	ND	None
01b	Balcony	Grey exterior window caulk	- - -	ND	None
02a	Living room	Tan joint compound	- - -	2%	Chrysotile
02b	Kitchen	- -	- -	NA/PS	- -
02c	Hallway	- -	- -	NA/PS	- -
03a	Bedroom upstairs	Grey 9x9 floor tile	- - -	10%	Chrysotile
03b	Bedroom upstairs	- -	- -	NA/PS	- -
04a	Bedroom upstairs	Black mastic assoc. with grey floor tile	- - -	10%	Chrysotile
04b	Bedroom upstairs	- -	- -	NA/PS	- -
05a	Hallway	Grey/White popcorn ceiling	- - -	5%	Chrysotile
05b	Hallway	- -	- -	NA/PS	- -

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066017
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/16/2024

Site: Unit 111, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Living room	Tan joint compound	- - -	2%	Chrysotile
01b	Bedroom 1	- -	- -	NA/PS	- -
01c	Bedroom 2	- -	- -	NA/PS	- -
02a	Bedroom 1	Grey 9x9 floor tile	- - -	10%	Chrysotile
02b	Bedroom 1	- -	- -	NA/PS	- -
03a	Bedroom 1	Black mastic assoc. with grey floor tile	- - -	10%	Chrysotile
03b	Bedroom 1	- -	- -	NA/PS	- -
04a	Hallway	Grey/White popcorn ceiling	- - -	3%	Chrysotile
04b	Hallway	- -	- -	NA/PS	- -

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested, as received by the laboratory.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066016
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/16/2024

Site: Unit 204, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	Grey exterior window caulk	- - -	ND	None
01b	Balcony	Grey exterior window caulk	- - -	ND	None
02a	Living room	Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom downstairs	- -	- -	NA/PS	- -
02c	Bedroom upstairs	- -	- -	NA/PS	- -
03a	Hallway	Grey/White popcorn ceiling	- - -	3%	Chrysotile
03b	Hallway	- -	- -	NA/PS	- -

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0 RI #PLM00007 TX #300354 CO# AL-21772
AIHA LAP #100122 VT #An-000020 LA#05011
CT #PH-0426 VA #3333 000283 PA#68-03387
ME LB-0071 AZ #AZ0944 PHIL#ALL-461
MA #AA000052 HI #L-09-004
NY #10980 NV #CT00004 WA #C1071
WV #000622 CA #2907

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066015
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/16/2024

Site: Unit 301, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	White exterior window caulk	- - -	ND	None
01b	Balcony	White exterior window caulk	- - -	ND	None
02a	Living room	Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom 1	- -	- -	NA/PS	- -
02c	Bedroom 2	- -	- -	NA/PS	- -
03a	Hallway	Grey/White popcorn ceiling	- - -	3%	Chrysotile
03b	Hallway	- -	- -	NA/PS	- -

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0 RI #PLM00007 TX #300354 CO# AL-21772
AIHA LAP #100122 VT #An-000020 LA#05011
CT #PH-0426 VA #3333 000283 PA#68-03387
ME LB-0071 AZ #AZ0944 PHIL#ALL-461
MA #AA000052 HI #L-09-004
NY #10980 NV #CT00004 WA #C1071
WV #000622 CA #2907

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066014
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/17/2024

Site: Unit 306, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	Grey exterior window caulk	- - -	ND	None
01b	Balcony	Grey exterior window caulk	- - -	ND	None
02a	Living room	Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom 1	- -	- -	NA/PS	- -
02c	Bedroom 2	- -	- -	NA/PS	- -
03a	Bedroom 2	Grey 9x9 floor tile	- - -	10%	Chrysotile
03b	Bedroom 2	- -	- -	NA/PS	- -
04a	Bedroom 2	Black mastic assoc. with grey floor tile	- - -	5%	Chrysotile
04b	Bedroom 2	- -	- -	NA/PS	- -
05a	Hallway	Grey/White popcorn ceiling	- - -	3%	Chrysotile
05b	Hallway	- -	- -	NA/PS	- -

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested, as received by the laboratory.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066013
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/17/2024

Site: Unit 307, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	Grey exterior window caulk	- - -	ND	None
01b	Balcony	Grey exterior window caulk	- - -	ND	None
02a	Living room	Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom	- -	- -	NA/PS	- -
02c	Hallway	- -	- -	NA/PS	- -
03a	Bedroom	Grey 9x9 floor tile	- - -	10%	Chrysotile
03b	Bedroom	- -	- -	NA/PS	- -
04a	Bedroom	Black mastic assoc. with grey floor tile	- - -	10%	Chrysotile
04b	Bedroom	- -	- -	NA/PS	- -
05a	Hallway	Grey/White popcorn ceiling	- - -	3%	Chrysotile
05b	Hallway	- -	- -	NA/PS	- -

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued
12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066012
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/17/2024

Site: Unit 605, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	Grey exterior window caulk	- - -	ND	None
01b	Balcony	Grey exterior window caulk	- - -	ND	None
02a	Living Room	Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom 1	- -	- -	NA/PS	- -
02c	Bedroom 2	- -	- -	NA/PS	- -

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066011
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/17/2024

Site: Unit 311, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	Grey exterior window caulk	- - -	ND	None
01b	Balcony	Grey exterior window caulk	- - -	ND	None
02a	Living room	Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom 1	- -	- -	NA/PS	- -
02c	Bedroom 2	- -	- -	NA/PS	- -
03a	Bedroom 2	Grey 9x9 floor tile	- - -	10%	Chrysotile
03b	Bedroom 2	- -	- -	NA/PS	- -
04a	Bedroom 2	Black mastic assoc. with grey floor tile	- - -	10%	Chrysotile
04b	Bedroom 2	- -	- -	NA/PS	- -
05a	Hallway	Grey/White popcorn ceiling	- - -	3%	Chrysotile
05b	Hallway	- -	- -	NA/PS	- -

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested, as received by the laboratory.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066010
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/17/2024

Site: Unit 401, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	Grey exterior window caulk	- - -	ND	None
01b	Balcony	Grey exterior window caulk	- - -	ND	None
02a	Living room	Tan Joint compound	- - -	2%	Chrysotile
02b	Bedroom 1	- -	- -	NA/PS	- -
02c	Bedroom 2	- -	- -	NA/PS	- -
03a	Bedroom 1	Grey 9x9 floor tile	- - -	10%	Chrysotile
03b	Bedroom 1	- -	- -	NA/PS	- -
04a	Bedroom 1	Black mastic assoc. with grey floor tile	- - -	10%	Chrysotile
04b	Bedroom 1	- -	- -	NA/PS	- -
05a	Hallway	Grey/White popcorn ceiling	- - -	3%	Chrysotile
05b	Hallway	- -	- -	NA/PS	- -

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066009
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/17/2024

Site: Unit 501, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	Grey exterior window caulk	- - -	ND	None
01b	Balcony	Grey exterior window caulk	- - -	ND	None
02a	Living room	Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom 1	- -	- -	NA/PS	- -
02c	Bedroom 2	- -	- -	NA/PS	- -
03a	Bedroom 1	Grey 9x9 floor tile	- - -	10%	Chrysotile
03b	Bedroom 1	- -	- -	NA/PS	- -
04a	Bedroom 1	Black mastic assoc. with grey floor tile	- - -	10%	Chrysotile
04b	Bedroom 1	- -	- -	NA/PS	- -
05a	Hallway	Grey/White popcorn ceiling	- - -	5%	Chrysotile
05b	Hallway	- -	- -	NA/PS	- -

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested, as received by the laboratory.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066008
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/16/2024

Site: Unit 503, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	Grey exterior window caulk	- - -	ND	None
01b	Balcony	Grey exterior window caulk	- - -	ND	None
02a	Living room	White/Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom 1	- -	- -	NA/PS	- -
02c	Bedroom 2	- -	- -	NA/PS	- -
03a	Bedroom 2	Grey 9x9 floor tile	- - -	10%	Chrysotile
03b	Bedroom 2	- -	- -	NA/PS	- -
04a	Bedroom 2	Black mastic assoc. with grey floor tile	- - -	10%	Chrysotile
04b	Bedroom 2	- -	- -	NA/PS	- -
05a	Hallway	Grey/White popcorn ceiling	- - -	3%	Chrysotile
05b	Hallway	- -	- -	NA/PS	- -

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested, as received by the laboratory.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066007
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/17/2024

Site: Unit 505, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	White exterior window caulk	- - -	ND	None
01b	Balcony	White exterior window caulk	- - -	ND	None
02a	Living room	Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom 1	- -	- -	NA/PS	- -
02c	Hallway	- -	- -	NA/PS	- -
03a	Bedroom 2	Brown flooring mastic under hardwood floor	- - -	ND	None
03b	Bedroom 2	Brown flooring mastic under hardwood floor	- - -	ND	None
04a	Hallway	Grey/White popcorn ceiling	- - -	3%	Chrysotile
04b	Hallway	- -	- -	NA/PS	- -

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested, as received by the laboratory.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066006
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/17/2024

Site: Unit 309, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Living room	Tan joint compound	- - -	2%	Chrysotile
01b	Bedroom 1	- -	- -	NA/PS	- -
01c	Bedroom 2	- -	- -	NA/PS	- -
02a	Bedroom 1	Grey 9x9 floor tile	- - -	10%	Chrysotile
02b	Bedroom 1	- -	- -	NA/PS	- -
03a	Bedroom 1	Black mastic assoc. with grey floor tile	- - -	10%	Chrysotile
03b	Bedroom 1	- -	- -	NA/PS	- -
04a	Hallway	Grey/White popcorn ceiling	- - -	3%	Chrysotile
04b	Hallway	- -	- -	NA/PS	- -

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested, as received by the laboratory.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066005
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/17/2024

Site: Unit 508, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	Grey exterior window caulk	- - -	ND	None
01b	Balcony	Grey exterior window caulk	- - -	ND	None
02a	Living room	Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom downstairs	- -	- -	NA/PS	- -
02c	Bedroom upstairs	- -	- -	NA/PS	- -
03a	Bedroom upstairs	Brown flooring mastic under hardwood floor	- - -	ND	None
03b	Bedroom upstairs	Brown flooring mastic under hardwood floor	- - -	ND	None
04a	Hallway	Grey/White popcorn ceiling	- - -	5%	Chrysotile
04b	Hallway	- -	- -	NA/PS	- -

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued
12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066004
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/17/2024

Site: Unit 603, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	Grey exterior window caulk	- - -	ND	None
01b	Balcony	Grey exterior window caulk	- - -	ND	None
02a	Living room	Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom 1	- -	- -	NA/PS	- -
02c	Bedroom 2	- -	- -	NA/PS	- -
03a	Bedroom upstairs	Black flooring mastic under hardwood floor	- - -	10%	Chrysotile
03b	Bedroom upstairs	- -	- -	NA/PS	- -
04a	Hallway	Grey/White popcorn ceiling	- - -	5%	Chrysotile
04b	Hallway	- -	- -	NA/PS	- -

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued
12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066003
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/16/2024

Site: Unit 702, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	Grey exterior window caulk	- - -	ND	None
01b	Balcony	Grey exterior window caulk	- - -	ND	None
02a	Living room	Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom downstairs	- -	- -	NA/PS	- -
02c	Bedroom upstairs	- -	- -	NA/PS	- -
03a	Bedroom upstairs	Brown flooring mastic under hardwood floor	- - -	ND	None
03b	Bedroom upstairs	Brown flooring mastic under hardwood floor	- - -	ND	None
04a	Hallway	Grey/White popcorn ceiling	- - -	5%	Chrysotile
04b	Hallway	- -	- -	NA/PS	- -

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued
12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066002
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/17/2024

Site: Unit 706, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	White exterior window caulk	- - -	ND	None
01b	Balcony	White exterior window caulk	- - -	ND	None
02a	Living room	Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom 1	- -	- -	NA/PS	- -
02c	Bedroom 2	- -	- -	NA/PS	- -
03a	Bedroom upstairs	Grey 9x9 floor tile	- - -	3%	Chrysotile
03b	Bedroom upstairs	- -	- -	NA/PS	- -
04a	Bedroom upstairs	Black mastic assoc. with grey floor tile	- - -	3%	Chrysotile
04b	Bedroom upstairs	- -	- -	NA/PS	- -
05a	Hallway	Grey/White popcorn ceiling	- - -	5%	Chrysotile
05b	Hallway	- -	- -	NA/PS	- -

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued
12/17/2024

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Thayer & Associates

Lab Log #: 0066001
Project #: 644538.0000.0000
Date Received: 12/16/2024
Date Analyzed: 12/17/2024

Site: Unit 802, Riverview Condominiums, 221 Mt. Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type
01a	Balcony	White exterior window caulk	- - -	ND	None
01b	Balcony	White exterior window caulk	- - -	ND	None
02a	Living room	Tan joint compound	- - -	2%	Chrysotile
02b	Bedroom 1	- -	- -	NA/PS	- -
02c	Bedroom 2	- -	- -	NA/PS	- -

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows 18/01A EPA -- 40 CFR Appendix E to subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples and 18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 101424-01. TRC is accredited by the AIHA Laboratory Accreditation Programs AIHA LAP (ID: LAP-100122) in the Industrial Hygiene Program (IHLAP) for PLM. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

Analyzed by: Kathleen Williamson, Laboratory Manager

Reviewed by Najaat Bhura, Approved Signatory

Date Issued 12/17/2024

EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

EMSL Order:	132402134
Customer ID:	COVI50
Customer PO:	TBD
Project ID:	

Attention:	Kevin Craig	**Phone:**	(781) 706-7324
	TRC	**Fax:**	
	300 Wildwood Avenue	**Received Date:**	04/17/2024 8:30 AM
	Woburn, MA 01801	**Analysis Date:**	04/17/2024
		Collected Date:	04/16/2024

Project: Riverview Condominiums; 221 Mt. Auburn Street; Cambridge, MA

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
01A *132402134-0001*	Unit 302 Kitchen - White Joint Compound Wallboard	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
01B *132402134-0002*	Unit 302 Kitchen - White Joint Compound Wallboard	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02A *132402134-0003*	Unit 302 Kitchen - White Gypsum Wallboard	Brown/Gray Non-Fibrous Homogeneous	5% Cellulose 1% Glass	94% Non-fibrous (Other)	None Detected
02B *132402134-0004*	Unit 302 Kitchen - White Gypsum Wallboard	Brown/Gray Non-Fibrous Homogeneous	6% Cellulose 1% Glass	93% Non-fibrous (Other)	None Detected
03A *132402134-0005*	Unit 302 Bathroom - White Ceramic Tile Grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03B *132402134-0006*	Unit 302 Bathroom - White Ceramic Tile Grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04A *132402134-0007*	Unit 302 Bathroom - White Ceramic Tile Mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04B *132402134-0008*	Unit 302 Bathroom - White Ceramic Tile Mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05A *132402134-0009*	Unit 208 Kitchen - White Joint Compound Wallboard	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05B *132402134-0010*	Unit 208 Kitchen - White Joint Compound Wallboard	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06A *132402134-0011*	Unit 208 Kitchen - White Gypsum Wallboard	White Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
06B *132402134-0012*	Unit 208 Kitchen - White Gypsum Wallboard	Brown/White Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
07A *132402134-0013*	Unit 208 Kitchen - White Popcorn Ceiling	Tan/White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
07B *132402134-0014*	Unit 208 Kitchen - White Popcorn Ceiling	Tan/White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile

Initial report from: 04/17/2024 14:22:26

EMSL Analytical, Inc.
5 Constitution Way, Unit A Woburn, MA 01801
Tel/Fax: (781) 933-8411 / (781) 933-8412
http://www.EMSL.com / bostonlab@emsl.com

EMSL Order:	132402134
Customer ID:	COVI50
Customer PO:	TBD
Project ID:	

Analyst(s)
Ava Kopellas (14)

Steve Grise, Laboratory Manager
or Other Approved Signatory

Initial report from: 04/17/2024 14:22:26

EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

EMSL Order:	132302487
Customer ID:	COVI50
Customer PO:	
Project ID:	

Attention:	Kevin Craig	**Phone:**	(781) 706-7324
	TRC	**Fax:**	
	300 Wildwood Avenue	**Received Date:**	04/12/2023 1:30 PM
	Woburn, MA 01801	**Analysis Date:**	04/17/2023
		Collected Date:	04/12/2023

Project: Riverview Condominiums - Unit 603; 221 Mt. Auburn Street; Cambridge, MA

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
01A *132302487-0001*	Upstairs Walk-in Cooler, under Carpet - 9x9 Green Floor Tile	Gray Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
01B *132302487-0002*	Upstairs Walk-in Cooler, under Carpet - 9x9 Green Floor Tile				Positive Stop (Not Analyzed)
02A *132302487-0003*	Upstairs Walk-in Cooler, under Carpet - Black Mastic assoc. w. Floor Tile	Black Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
02B *132302487-0004*	Upstairs Walk-in Cooler, under Carpet - Black Mastic assoc. w. Floor Tile				Positive Stop (Not Analyzed)
03A *132302487-0005*	Upstairs, Bedroom on Right - Textured Ceiling	White Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
03B *132302487-0006*	Upstairs, Bedroom on Left - Textured Ceiling				Positive Stop (Not Analyzed)
03C *132302487-0007*	Entrance Hallway/Stairs - Textured Ceiling				Positive Stop (Not Analyzed)
03D *132302487-0008*	Storage Room - Textured Ceiling				Positive Stop (Not Analyzed)
04A *132302487-0009*	Downstairs Bedroom - Glue/Mastic under Wooden Floor	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04B *132302487-0010*	Downstairs Bedroom - Glue/Mastic under Wooden Floor	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05A *132302487-0011*	Upstairs, Bedroom on Right Bathroom - White Joint Compound	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
05B *132302487-0012*	Upstairs, Bedroom on Left Bathroom - White Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05C *132302487-0013*	Downstairs Bathroom - White Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05D *132302487-0014*	Storage Room - White Joint Compound	Tan Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
06A *132302487-0015*	Storage Room - Glue/Mastic under Storage Room Carpet	Black Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile

Initial report from: 04/17/2023 11:55:52

EMSL Analytical, Inc.
5 Constitution Way, Unit A Woburn, MA 01801
Tel/Fax: (781) 933-8411 / (781) 933-8412
http://www.EMSL.com / bostonlab@emsl.com

EMSL Order: 132302487
Customer ID: COVI50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
06B *132302487-0016*	Storage Room - Glue/Mastic under Storage Room Carpet				Positive Stop (Not Analyzed)
07A *132302487-0017*	Downstairs Bathroom - Ceramic Floor Tile Grout	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07B *132302487-0018*	Downstairs Bathroom - Ceramic Floor Tile Grout	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)
Ramon Buenaventura (12)

Steve Grise, Laboratory Manager
or Other Approved Signatory

Initial report from: 04/17/2023 11:55:52

EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

EMSL Order:	132301219
Customer ID:	COVI50
Customer PO:	535654
Project ID:	

Attention:	Kevin Craig	**Phone:**	(781) 706-7324
	TRC	**Fax:**	
	300 Wildwood Avenue	**Received Date:**	02/17/2023 4:45 PM
	Woburn, MA 01801	**Analysis Date:**	02/22/2023
		Collected Date:	02/17/2023

Project: 535654 / Riverview Condominiums - Unit 404; 215-229 Mt. Auburn Street; Cambridge, MA

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
01A *132301219-0001*	Left Hand Office - Textured Ceiling	Gray/White Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
01B *132301219-0002*	Hallway - Textured Ceiling	Gray/White Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
01C *132301219-0003*	2nd Floor Bedroom - Textured Ceiling	Tan/White Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
01D *132301219-0004*	See Diagram - Textured Ceiling	Tan/White Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
02A *132301219-0005*	Right Hand Office - Tan Joint Compound	Tan Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
02B *132301219-0006*	Hallway - Tan Joint Compound	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
02C *132301219-0007*	2nd Floor Bedroom, Walk-in Closet - Tan Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02D *132301219-0008*	2nd Floor Bathroom - Tan Joint Compound	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
03A *132301219-0009*	Kitchen - Ceramic Floor Tile Grout	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03B *132301219-0010*	Kitchen - Ceramic Floor Tile Grout	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04A *132301219-0011*	Kitchen - White Ceramic Floor Tile Mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04B *132301219-0012*	Kitchen - White Ceramic Floor Tile Mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05A *132301219-0013*	Kitchen - Black Glue on White Ceramic Floor Tile Mortar	Black Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
05B *132301219-0014*	Kitchen - Black Glue on White Ceramic Floor Tile Mortar	Black Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
06A *132301219-0015*	1st Floor Bathroom - 1x1 Ceramic Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06B *132301219-0016*	1st Floor Bathroom - 1x1 Ceramic Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/22/2023 09:08:23

EMSL Analytical, Inc.
5 Constitution Way, Unit A Woburn, MA 01801
Tel/Fax: (781) 933-8411 / (781) 933-8412
http://www.EMSL.com / bostonlab@emsl.com

EMSL Order: 132301219
Customer ID: COVI50
Customer PO: 535654
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
07A *132301219-0017*	1st Floor Bathroom - 1x1 Ceramic Floor Tile Bedding Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07B *132301219-0018*	1st Floor Bathroom - 1x1 Ceramic Floor Tile Bedding Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08A *132301219-0019*	1st Floor Bathroom - White Wall Base	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08B *132301219-0020*	1st Floor Bathroom - White Wall Base	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09A *132301219-0021*	1st Floor Bathroom - Brown Glue assoc. w. Wall Base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09B *132301219-0022*	1st Floor Bathroom - Brown Glue assoc. w. Wall Base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10A *132301219-0023*	2nd Floor Bathroom - 12x12 Ceramic Floor Tile Grout	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10B *132301219-0024*	2nd Floor Bathroom - 12x12 Ceramic Floor Tile Grout	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11A *132301219-0025*	2nd Floor Bathroom - 12x12 Ceramic Floor Tile Mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11B *132301219-0026*	2nd Floor Bathroom - 12x12 Ceramic Floor Tile Mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12A *132301219-0027*	2nd Floor Bathroom, under 12x12 Ceramic Floor Tile - Black Glue on 1x1 Blue Ceramic Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12B *132301219-0028*	2nd Floor Bathroom, under 12x12 Ceramic Floor Tile - Black Glue on 1x1 Blue Ceramic Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)
Ramon Buenaventura (28)

Steve Grise, Laboratory Manager
or Other Approved Signatory

Initial report from: 02/22/2023 09:08:23

EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

EMSL Order:	132300039
Customer ID:	COVI50
Customer PO:	528268
Project ID:	

Attention:	Kevin Craig	**Phone:**	(781) 706-7324
	TRC	**Fax:**	
	300 Wildwood Avenue	**Received Date:**	01/04/2023 12:50 PM
	Woburn, MA 01801	**Analysis Date:**	01/04/2023
		Collected Date:	

Project: 528268 / Riverview Condos; 221 Mt. Auburn Street

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
01A *132300039-0001*	Unit 705 - Textured Ceiling Plaster, Skim Coat	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
01B *132300039-0002*	Unit 705 - Textured Ceiling Plaster, Skim Coat	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
02A *132300039-0003*	Unit 705 - Textured Ceiling Plaster, Base Coat	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
02B *132300039-0004*	Unit 705 - Textured Ceiling Plaster, Base Coat	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile

Analyst(s)

Ava Kopellas (4)

Steve Grise, Laboratory Manager
or Other Approved Signatory

Initial report from: 01/04/2023 15:26:32

EMSL Analytical, Inc.
5 Constitution Way, Unit A, Woburn, MA 01801
Phone/Fax: (781) 933-8411 / (781) 933-8412
http://www.EMSL.com bostonlab@emsl.com

EMSL Order:	132204825
CustomerID:	COVI50
CustomerPO:	502389
ProjectID:	

Attn: **Kevin Craig**
TRC
300 Wildwood Avenue
Woburn, MA 01801

Phone:	(781) 933-2555
Fax:	
Received:	7/13/2022 01:30 PM
Analysis Date:	7/14/2022
Collected:	

Project: **502389 / Riverview Condos; Unit 308**

Test Report: Asbestos Analysis via Polarized Light Microscopy, Qualitative

Sample	Description	Appearance	Result	Notes
01 *132204825-0001*	Unit 308 at Doorway - Concrete & Dust	White Non-Fibrous Homogeneous	**None Detected**	
02 *132204825-0002*	Unit 308 at Doorway - Concrete & Dust	White Non-Fibrous Homogeneous	**None Detected**	
03 *132204825-0003*	Unit 308 at Doorway - Concrete & Dust	White Non-Fibrous Homogeneous	**None Detected**	

Analyst(s)

Ramon Buenaventura (3)

Steve Grise, Laboratory Manager
or other approved signatory

Initial report from 07/14/2022 09:40:01

EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

EMSL Order:	132204355
Customer ID:	COVI50
Customer PO:	499979
Project ID:	

Attention:	Kevin Craig	**Phone:**	(781) 706-7324
	TRC	**Fax:**	
	300 Wildwood Avenue	**Received Date:**	06/23/2022 1:50 PM
	Woburn, MA 01801	**Analysis Date:**	06/26/2022
		Collected Date:	

Project: 499979 / Riverview Condos; Condo 307

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
01A *132204355-0001*	Kitchen - Bottom Layer of Floor	Beige Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
01B *132204355-0002*	Kitchen - Bottom Layer of Floor				Positive Stop (Not Analyzed)
02A *132204355-0003*	Kitchen - Mastic beneath Bottom Layer of Floor Tile	Black Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
02B *132204355-0004*	Kitchen - Mastic beneath Bottom Layer of Floor Tile				Positive Stop (Not Analyzed)
03A *132204355-0005*	Kitchen - Textured Ceiling Plaster	Tan Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
03B *132204355-0006*	Kitchen - Textured Ceiling Plaster				Positive Stop (Not Analyzed)
04A *132204355-0007*	Wall b/w Kitchen & Living Room - Joint Compound on Gypsum Wall	Tan Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
04B *132204355-0008*	Wall b/w Kitchen & Living Room - Joint Compound on Gypsum Wall				Positive Stop (Not Analyzed)

Analyst(s)

Ramon Buenaventura (4)

Steve Grise, Laboratory Manager
or Other Approved Signatory

Initial report from: 06/27/2022 06:59:21

EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

EMSL Order:	132201092
Customer ID:	COVI50
Customer PO:	481799
Project ID:	

Attention:	Kevin Craig	**Phone:**	(781) 706-7324
	TRC	**Fax:**	
	300 Wildwood Avenue	**Received Date:**	02/18/2022 11:20 AM
	Woburn, MA 01801	**Analysis Date:**	02/22/2022
		Collected Date:	02/18/2022

Project: 481799 / Riverview Condominiums; Unit 707; 221 Mt. Auburn Street; Cambridge, MA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
01A *132201092-0001*	Kitchen - White w/ Specs Sheet Flooring	White Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
01B *132201092-0002*	Kitchen - White w/ Specs Sheet Flooring	White Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
02A *132201092-0003*	Kitchen - Yellow Glue Assoc. w/ White Sheet Flooring	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02B *132201092-0004*	Kitchen - Yellow Glue Assoc. w/ White Sheet Flooring	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03A *132201092-0005*	Kitchen, Under White Sheet Flooring - 9x9 Yellow Floor Tile (Top Layer)	Yellow Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
03B *132201092-0006*	Kitchen, Under White Sheet Flooring - 9x9 Yellow Floor Tile (Top Layer)	Yellow Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
04A *132201092-0007*	Kitchen, Under White Sheet Flooring - Black Mastic Assoc. w/ Yellow Floor Tile	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
04B *132201092-0008*	Kitchen, Under White Sheet Flooring - Black Mastic Assoc. w/ Yellow Floor Tile	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
05A *132201092-0009*	Kitchen, Under Yellow Floor Tile, Bottom Layer - 9x9 Tan Floor Tile	Gray Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
05B *132201092-0010*	Kitchen, Under Yellow Floor Tile, Bottom Layer - 9x9 Tan Floor Tile	Gray Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
06A *132201092-0011*	Kitchen - Black Mastic Assoc. w/ Tan Floor Tile	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
06B *132201092-0012*	Carpeted Bedroom - Black Mastic Assoc. w/ Tan Floor Tile	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
07A *132201092-0013*	Kitchen - White Textured Ceiling	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
07B *132201092-0014*	Carpeted Bedroom Closet - White Textured Ceiling	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile

Initial report from: 02/22/2022 13:10:34

EMSL Analytical, Inc.
5 Constitution Way, Unit A Woburn, MA 01801
Tel/Fax: (781) 933-8411 / (781) 933-8412
http://www.EMSL.com / bostonlab@emsl.com

EMSL Order: 132201092
Customer ID: COVI50
Customer PO: 481799
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
07C *132201092-0015*	Carpeted Bedroom - White Textured Ceiling	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
08A-Tan Joint Compound *132201092-0016*	Kitchen - White Joint Compound	Tan Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
08A-White Joint Compound *132201092-0016A*	Kitchen - White Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08B-Tan Joint Compound *132201092-0017*	Living Room - White Joint Compound	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
08B-White Joint Compound *132201092-0017A*	Living Room - White Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08C-Tan Joint Compound *132201092-0018*	Hardwood Bedroom Closet - White Joint Compound	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
08C-White Joint Compound *132201092-0018A*	Hardwood Bedroom Closet - White Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08D-Tan Joint Compound *132201092-0019*	Carpeted Bedroom Walk-in Closet - White Joint Compound	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
08D-White Joint Compound *132201092-0019A*	Carpeted Bedroom Walk-in Closet - White Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08E *132201092-0020*	Carpeted Bedroom Bathroom - White Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09A *132201092-0021*	Kitchen - Gypsum Wallboard	Tan/White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
09B *132201092-0022*	Carpeted Bedroom Bathroom - Gypsum Wallboard	Brown/Tan Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
10A *132201092-0023*	Hardwood Bedroom Bathroom - Ceramic Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10B *132201092-0024*	Hardwood Bedroom Bathroom - Ceramic Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11A *132201092-0025*	Hardwood Bedroom Bathroom - Ceramic Floor Tile Pattern Sheet Flooring	White Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
11B *132201092-0026*	Carpet Bedroom Bathroom - Ceramic Floor Tile Pattern Sheet Flooring	White Non-Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected

Initial report from: 02/22/2022 13:10:34

EMSL Analytical, Inc.
5 Constitution Way, Unit A Woburn, MA 01801
Tel/Fax: (781) 933-8411 / (781) 933-8412
http://www.EMSL.com / bostonlab@emsl.com

EMSL Order:	132201092
Customer ID:	COVI50
Customer PO:	481799
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
12A *132201092-0027*	Hardwood Bedroom Bathroom - Gray/Yellow Glue Assoc. w/ Sheet Flooring	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12B *132201092-0028*	Carpet Bedroom Bathroom - Gray/Yellow Glue Assoc. w/ Sheet Flooring	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13A *132201092-0029*	Hardwood Bedroom Bathroom - 2" White Wall Base	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13B *132201092-0030*	Hardwood Bedroom Bathroom - 2" White Wall Base	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14A *132201092-0031*	Hardwood Bedroom Bathroom - Yellow Glue Assoc. w/ White Wall Base	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14B *132201092-0032*	Hardwood Bedroom Bathroom - Yellow Glue Assoc. w/ White Wall Base	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)
Kevin Pine (36)

Steve Grise, Laboratory Manager
or Other Approved Signatory

Initial report from: 02/22/2022 13:10:34

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: Jillian Stile

Lab Log #: 0057309
Project #: 453877.0000.0000
Date Received: 07/20/2021
Date Analyzed: 07/21/2021

Site: 221 Mount Auburn Street, Cambridge, MA

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials		Asbestos %	Asbestos Type
071921-01A	Upstairs bedroom	White/Beige textured ceiling		- - -	3%	Chrysotile
071921-01B	Upstairs bedroom	- -		- -	NA/PS	- -
071921-01C	Stair landing	White textured ceiling		- - -	ND	None
071921-02A	Kitchen	Light Pink sheetrock	2%	cellulose	ND	None
071921-02B	Kitchen	Light Pink sheetrock	2%	cellulose	ND	None
071921-02C	Stair landing	Grey sheetrock	2%	cellulose	ND	None
071921-03A	Kitchen	White joint compound		- - -	ND	None
071921-03B	Kitchen	White joint compound		- - -	ND	None
071921-03C	Kitchen	Beige joint compound		- - -	Trace	Chrysotile
071921-04A	Living room at access panel	White/Brown textured ceiling		- - -	ND	None
071921-04B	Living room at access panel	White/Brown textured ceiling		- - -	ND	None
071921-04C	Living room at access panel	White/Brown textured ceiling		- - -	ND	None

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Sample Location	Homogeneous Material Description	Other Matrix Materials	Asbestos %	Asbestos Type

ND - asbestos was not detected
Trace - asbestos was observed at level of 1% or less - This is the reporting limit
NA/PS - Not Analyzed / Positive Stop
SNA - Sample Not Analyzed- See Chain of Custody for details
Notes: Asbestos-Containing Material (ACM) is any material containing more than 1% asbestos

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2021. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2022. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

Analyzed by: K. Williamson — Kathleen Williamson, Laboratory Manager

Reviewed by: Joel Corso, Approved Signatory

Date Issued
07/26/2021

EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

EMSL Order:	131908693
Customer ID:	COVI50
Customer PO:	370990
Project ID:	

Attention:	Kevin Craig	**Phone:**	(781) 706-7324
	TRC	**Fax:**	
	300 Wildwood Avenue	**Received Date:**	11/12/2019 4:00 PM
	Woburn, MA 01801	**Analysis Date:**	11/13/2019
		Collected Date:	11/12/2019

Project: 370990/Riverview Condominiums; 221 Mt. Auburn St; Unit 26D; Cambridge, MA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
01A *131908693-0001*	Level 1 Living Room - Wallboard; Gypsum; Gray	Gray Fibrous Homogeneous	<1% Cellulose 2% Glass	98% Non-fibrous (Other)	None Detected
01B *131908693-0002*	Level 1 West Hall - Wallboard; Gypsum; Gray	Gray Fibrous Homogeneous	2% Glass	98% Non-fibrous (Other)	None Detected
01C *131908693-0003*	Level 2 Hallway - Wallboard; Gypsum; Gray	Brown/White Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
01D *131908693-0004*	Level 2 Bedroom 2 - Wallboard; Gypsum; Gray	Brown/White Fibrous Homogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
01E *131908693-0005*	Level 1 Kitchen - Wallboard; Gypsum; Gray	Brown/White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
02A *131908693-0006*	Level 1 Living Room - Joint Compound Assoc. w/ Gypsum Wall Board	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02B *131908693-0007*	Level 1 West Wall - Joint Compound Assoc. w/ Gypsum Wall Board	Yellow Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
02C *131908693-0008*	Level 2 Hallway - Joint Compound Assoc. w/ Gypsum Wall Board	Yellow Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
02D *131908693-0009*	Loevel 2 Bedroom 2 - Joint Compound Assoc. w/ Gypsum Wall Board	Yellow Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
02E *131908693-0010*	Level 1 Kitchen - Joint Compound Assoc. w/ Gypsum Wall Board	Yellow Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
03A *131908693-0011*	Level 1 Near Main Entrance - Yellow Base Mold Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03B *131908693-0012*	Level 2 Hallway - Yellow Base Mold Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04A *131908693-0013*	Level 1 Living Room - Yellow Crown Mold Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04B *131908693-0014*	Level 1 Kitchen - Yellow Crown Mold Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05A *131908693-0015*	Level 2 Bedroom 1 - 9x9 Green Floor Tile	Gray Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile

Initial report from: 11/13/2019 15:32:47

EMSL Analytical, Inc.
5 Constitution Way, Unit A Woburn, MA 01801
Tel/Fax: (781) 933-8411 / (781) 933-8412
http://www.EMSL.com / bostonlab@emsl.com

EMSL Order: 131908693
Customer ID: COVI50
Customer PO: 370990
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
05B *131908693-0016*	Level 2 Bedroom 3 - 9x9 Green Floor Tile				Positive Stop (Not Analyzed)
06A *131908693-0017*	Same as 9x9 FT - Black Mastic Assoc. w/ 9x9 Floor Tile	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
06B *131908693-0018*	Same as 9x9 FT - Black Mastic Assoc. w/ 9x9 Floor Tile				Positive Stop (Not Analyzed)
07A *131908693-0019*	Level 1 West Wall - Yellow Plaster; Base Coat on Gypsum Dry Wall	Yellow Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
Sample appears to be the same material as samples 02B-E					
07B *131908693-0020*	Level 1 Living Room - Yellow Plaster; Base Coat on Gypsum Dry Wall	Yellow Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
Sample appears to be the same material as samples 02B-E					
07C *131908693-0021*	Stairwell Wall - Yellow Plaster; Base Coat on Gypsum Dry Wall	Yellow Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
Sample appears to be the same material as samples 02B-E					
08A *131908693-0022*	Same as Base Coat - White Plaster Skim Coat on Yellow Base Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08B *131908693-0023*	Same as Base Coat - White Plaster Skim Coat on Yellow Base Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08C *131908693-0024*	Same as Base Coat - White Plaster Skim Coat on Yellow Base Coat	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09A *131908693-0025*	Level 1 Kitchen - Textured Finish on Gypsum Board Ceiling	White/Yellow Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
09B *131908693-0026*	Level 2 Bedroom 3 - Textured Finish on Gypsum Board Ceiling	Tan/White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
09C *131908693-0027*	Level 1 Living Room - Textured Finish on Gypsum Board Ceiling	White/Yellow Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
10A *131908693-0028*	Level 2 Hallway - Gray Leveler	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10B *131908693-0029*	Level 2 Hallway - Gray Leveler	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11A *131908693-0030*	Level 2 Bedroom 1 Bathroom - Ceramic Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 11/13/2019 15:32:47

EMSL Analytical, Inc.
5 Constitution Way, Unit A Woburn, MA 01801
Tel/Fax: (781) 933-8411 / (781) 933-8412
http://www.EMSL.com / bostonlab@emsl.com

EMSL Order:	131908693
Customer ID:	COVI50
Customer PO:	370990
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
11B	Level 2 Bedroom 1 Bathroom - Ceramic Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
131908693-0031					

Analyst(s)
John McCarthy (29)

Steve Grise, Laboratory Manager
or Other Approved Signatory

Initial report from: 11/13/2019 15:32:47

EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

EMSL Order:	132000898
Customer ID:	COVI50
Customer PO:	370990
Project ID:	

Attention:	Kevin Craig	**Phone:**	(781) 706-7324
	TRC	**Fax:**	
	300 Wildwood Avenue	**Received Date:**	01/28/2020 4:05 PM
	Woburn, MA 01801	**Analysis Date:**	01/28/2020
		Collected Date:	

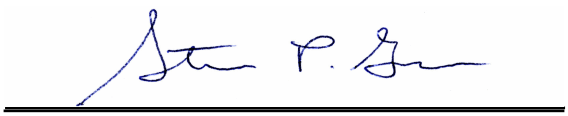
Project: 370990/Riverview Condos; 221 Mt. St. Auburn Street; Unit 26A

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
01 *132000898-0001*	Pipe Fitting Between Wet Walls; 2nd Story Bathroom - Pipe Fitting	Gray Fibrous Homogeneous	40% Min. Wool	60% Non-fibrous (Other)	None Detected

Analyst(s)

Kevin Pine (1)



Steve Grise, Laboratory Manager
or Other Approved Signatory

Initial report from: 01/28/2020 17:34:29

CLIENT: RIVERVIEW CONDOMINIUMS
221 MT. AUBURN STREET
CAMBRIDGE, MA 02138

LOCATION: 221 MOUNT AUBURN STREET
CAMBRIDGE, MASSACHUSETTS

PROJECT: 12.01206 - 352158
DATE RECEIVED: 08/09/12
ANALYZED: 08/09/12
COLLECTED BY: COVINO
COLLECTED 08/09/12

ANALYTICAL RESULTS OF BULK SAMPLES

LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
352158	FIELD ID: 01A	MU	NO ASBESTOS DETECTED	
	MATERIAL: CEMENT ON CHIMNEY CAP	Y	NONFIBROUS MATERIAL	100 %
	LOCATION: BOILER CHIMNEY			
352159	FIELD ID: 01B	MU	NO ASBESTOS DETECTED	
	MATERIAL: CEMENT ON CHIMNEY CAP	Y	NONFIBROUS MATERIAL	100 %
	LOCATION: BOILER CHIMNEY			
352160	FIELD ID: 01C	MU	NO ASBESTOS DETECTED	
	MATERIAL: CEMENT ON CHIMNEY CAP	Y	NONFIBROUS MATERIAL	100 %
	LOCATION: BOILER CHIMNEY			
352161	FIELD ID: 02A	BK/GY	NO ASBESTOS DETECTED	
	MATERIAL: OUTER COATING OF CHIMNEY LINING	Y	NONFIBROUS MATERIAL	100 %
	LOCATION: BOILER ROOM			
352162	FIELD ID: 02B	BK/GY	NO ASBESTOS DETECTED	
	MATERIAL: OUTER COATING OF CHIMNEY LINING	Y	NONFIBROUS MATERIAL	100 %
	LOCATION: BOILER ROOM			
352163	FIELD ID: 02C	BK/GY	NO ASBESTOS DETECTED	
	MATERIAL: OUTER COATING OF CHIMNEY LINING	Y	NONFIBROUS MATERIAL	100 %
	LOCATION: BOILER ROOM			
352164	FIELD ID: 03A	GY/TN	NO ASBESTOS DETECTED	
	MATERIAL: INNER COATING OF CHIMNEY LINER	Y	NONFIBROUS MATERIAL	100 %
	LOCATION: BOILER ROOM			
352165	FIELD ID: 03B	GY	NO ASBESTOS DETECTED	
	MATERIAL: INNER COATING OF CHIMNEY LINER	N	SYNTHETIC	< 1 %
	LOCATION: BOILER ROOM		NONFIBROUS MATERIAL	100 %

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue, Woburn, MA 01801 • Tel: 781.933.2555 • Fax: 781.932.9402 • email:mail@covinoinc.com

LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
352166	FIELD ID: 03C	GY/TN	NO ASBESTOS DETECTED	
	MATERIAL: INNER COATING OF CHIMNEY LINER	Y	SYNTHETIC	03 %
	LOCATION: BOILER ROOM		NONFIBROUS MATERIAL	97 %

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue, Woburn, MA 01801 • Tel: 781.933.2555 • Fax: 781.932.9402 • email:mail@covinoinc.com

NOTES: N/A=NOT APPLICABLE

COLOR CODES:												
	BG	BEIGE	BR	BROWN	GY	GRAY	OR	ORANGE	RD	RED	WH	WHITE
	BK	BLACK	CL	CLEAR	MU	MULTI	PI	PINK	SI	SILVER	YL	YELLOW
	BL	BLUE	GN	GREEN	N/A	NONE	PR	PURPLE	TN	TAN	MA	MAROON

LABORATORY CERTIFICATIONS: MA #AA000006 RI #AAL-025C3 VT #AL017034 ME #LB-061
CT #PH-0248

ACCREDITATION: NVLAP #101781-0

DATE OF ISSUE: 08/21/12 APPROVED SIGNATORY: KEVIN T. MCKENZIE, LABORATORY MANAGER

THESE SAMPLES WERE ANALYZED BY POLARIZED LIGHT MICROSCOPY WITH DISPERSION STAINING (PLM/DS) ACCORDING TO THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (US EPA) "INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES" (EPA-600/M4-82-020) AND "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" (EPA-600/R93/116). THIS METHOD IS CONSIDERED SENSITIVE TO THE PRESENCE OF ASBESTOS AT LESS THAN ONE PERCENT. THIS REPORT RELATES ONLY TO THOSE SAMPLES ANALYZED. AND MAY NOT BE INDICATIVE OF OTHER SIMILAR APPEARING MATERIALS EXISTING AT THIS, OR OTHER SITES.

FLOOR TILES AND RESINOUSLY BOUND MATERIALS ANALYZED BY EPA METHOD 600/R93/116, "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS," MAY YIELD FALSE NEGATIVE RESULTS DUE TO DIFFICULTIES IN ISOLATING SUSPECT FIBERS AND SUBSEQUENTLY IDENTIFYING THEM BENEATH THE MATRIX MATERIAL WHICH ENCAPSULATES THEM. SHEARING DURING THE MANUFACTURE OF VINYL TILE DECREASES THE FIBER SIZE OF THE ASBESTOS COMPONENT; THEREFORE, THE FIBERS MAY NOT BE READILY DETECTABLE USING POLARIZED LIGHT MICROSCOPY. AS A RESULT, LABORATORY ANALYSIS CANNOT ALWAYS BE ACCOMPLISHED USING STANDARD TECHNIQUES. WHEN THE EPA METHOD YIELDS A "NO ASBESTOS DETECTED" RESULT FOR FLOOR TILES AND RESINOUSLY BOUND MATERIALS, COVINO ENVIRONMENTAL ASSOCIATES RECOMMENDS FURTHER ANALYSIS USING SEM OR TEM TECHNIQUES FOR THE IDENTIFICATION OF ASBESTOS.

THE EPA REQUIRES THAT FRIABLE SAMPLES WITH ASBESTOS CONTENTS OF LESS THAN 10%, DETERMINED BY A VISUAL ESTIMATION, BE VERIFIED USING THE POINT COUNTING TECHNIQUE OR OTHERWISE BE ASSUMED TO CONTAIN GREATER THAN 1% ASBESTOS BY THE BUILDING OWNER OR OPERATOR. IF ANALYTICAL RESULTS INDICATE THE PRESENCE OF 1% OR LESS ASBESTOS IN A FRIABLE MATERIAL, THAT MATERIAL MUST BE TREATED AS ASBESTOS-CONTAINING MATERIAL UNLESS THESE QUANTITIES ARE VERIFIED USING THE POINT COUNTING TECHNIQUE. FRIABLE SAMPLES WILL BE POINT-COUNTED UPON REQUEST BY THE CLIENT. POINT COUNTING IS NOT REQUIRED FOR THOSE SAMPLES IN WHICH NO ASBESTOS IS DETECTED DURING ANALYSIS BY PLM.

LAYERED SAMPLES ARE ANALYZED IN THE FOLLOWING MANNER: ALL LAYERS ARE ANALYZED SEPARATELY, AND QUANTITIES ARE REPORTED AS A PERCENTAGE OF THE ENTIRE COMPOSITE SAMPLE.

ALL SAMPLES ARE STORED AT THE COVINO LABORATORY FOR A PERIOD OF THREE MONTHS. FURTHER ANALYSIS OR RETURN OF SAMPLES MUST BE REQUESTED WITHIN THIS THREE-MONTH PERIOD TO GUARANTEE THEIR AVAILABILITY.

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Waldwood Avenue, Woburn, MA 01801 • Tel: 781.933.2555 • Fax: 781.932.9402 • email:mail@covinoinc.com

CLIENT: RIVERVIEW CONDOMINIUMS
22: MT. AUBURN STREET
CAMBRIDGE, MA 02138

LOCATION 22: MT. AUBURN STREET
CAMBRIDGE, MASSACHUSETTS

PROJECT: 12.01127 - 351890
DATE RECEIVED: 08/01/12
ANALYZED: 08/07/12
COLLECTED BY: COVINO
COLLECTED 08/01/12

ANALYTICAL RESULTS OF BULK SAMPLES

LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
351890	FIELD ID: 01A	GY/BK	NO ASBESTOS DETECTED	
	MATERIAL: PIPE FITTING INSULATION ON HVAC LINE	Y	MINERAL WOOL	20 %
	LOCATION: BOILER RM		NONFIBROUS MATERIAL	80 %
351891	FIELD ID: 01B	GY/BK	NO ASBESTOS DETECTED	
	MATERIAL: PIPE FITTING INSULATION ON HVAC LINE	Y	MINERAL WOOL	20 %
	LOCATION: BOILER RM		NONFIBROUS MATERIAL	80 %
351892	FIELD ID: 01C	GY/BK	NO ASBESTOS DETECTED	
	MATERIAL: PIPE FITTING INSULATION ON HVAC LINE	Y	CELLULOSE	05 %
	LOCATION: BOILER RM		MINERAL WOOL	20 %
			NONFIBROUS MATERIAL	75 %

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue, Woburn, MA 01801 • Tel: 781.933.2555 • Fax: 781.932.9402 • email:mail@covinoinc.com

NOTES: N/A=NOT APPLICABLE

COLOR CODES: BG BEIGE BR BROWN GY GRAY OR ORANGE RD RED WH WHITE
BK BLACK CL CLEAR MU MULTI PI PINK SI SILVER YL YELLOW
BL BLUE GN GREEN N/A NONE PR PURPLE TN TAN MA MAROON

LABORATORY CERTIFICATIONS: MA #AA000006 RI #AAL-025C3 VT #AL017034 VE #LB-061
CT #PH-0248

ACCREDITATION: NVLAP #101781-0

DATE OF ISSUE: 08/15/12 APPROVED SIGNATORY: KEVIN T. MCKENZIE, LABORATORY MANAGER

THESE SAMPLES WERE ANALYZED BY POLARIZED LIGHT MICROSCOPY WITH DISPERSION STAINING (PLM/DS) ACCORDING TO THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (US EPA) "INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES" (EPA-600/M4-82-020) AND "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" (EPA-600/R93/116). THIS METHOD IS CONSIDERED SENSITIVE TO THE PRESENCE OF ASBESTOS AT LESS THAN ONE PERCENT. THIS REPORT RELATES ONLY TO THOSE SAMPLES ANALYZED, AND MAY NOT BE INDICATIVE OF OTHER SIMILAR APPEARING MATERIALS EXISTING AT THIS, OR OTHER SITES.

FLOOR TILES AND RESINOUSLY BOUND MATERIALS ANALYZED BY EPA METHOD 600/R93/116, "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS," MAY YIELD FALSE NEGATIVE RESULTS DUE TO DIFFICULTIES IN ISOLATING SUSPECT FIBERS AND SUBSEQUENTLY IDENTIFYING THEM BENEATH THE MATRIX MATERIAL WHICH ENCAPSULATES THEM. SHEARING DURING THE MANUFACTURE OF VINYL TILE DECREASES THE FIBER SIZE OF THE ASBESTOS COMPONENT; THEREFORE, THE FIBERS MAY NOT BE READILY DETECTABLE USING POLARIZED LIGHT MICROSCOPY. AS A RESULT, LABORATORY ANALYSIS CANNOT ALWAYS BE ACCOMPLISHED USING STANDARD TECHNIQUES. WHEN THE EPA METHOD YIELDS A "NO ASBESTOS DETECTED" RESULT FOR FLOOR TILES AND RESINOUSLY BOUND MATERIALS, COVINO ENVIRONMENTAL ASSOCIATES RECOMMENDS FURTHER ANALYSIS USING SEM OR TEM TECHNIQUES FOR THE IDENTIFICATION OF ASBESTOS.

THE EPA REQUIRES THAT FRIABLE SAMPLES WITH ASBESTOS CONTENTS OF LESS THAN 10%, DETERMINED BY A VISUAL ESTIMATION, BE VERIFIED USING THE POINT COUNTING TECHNIQUE OR OTHERWISE BE ASSUMED TO CONTAIN GREATER THAN 1% ASBESTOS BY THE BUILDING OWNER OR OPERATOR. IF ANALYTICAL RESULTS INDICATE THE PRESENCE OF 1% OR LESS ASBESTOS IN A FRIABLE MATERIAL, THAT MATERIAL MUST BE TREATED AS ASBESTOS-CONTAINING MATERIAL UNLESS THESE QUANTITIES ARE VERIFIED USING THE POINT COUNTING TECHNIQUE. FRIABLE SAMPLES WILL BE POINT-COUNTED UPON REQUEST BY THE CLIENT. POINT COUNTING IS NOT REQUIRED FOR THOSE SAMPLES IN WHICH NO ASBESTOS IS DETECTED DURING ANALYSIS BY PLM.

LAYERED SAMFLES ARE ANALYZED IN THE FOLLOWING MANNER: ALL LAYERS ARE ANALYZED SEPARATELY, AND QUANTITIES ARE REPORTED AS A PERCENTAGE OF THE ENTIRE COMPOSITE SAMPLE.

ALL SAMPLES ARE STORED AT THE COVINO LABORATORY FOR A PERIOD OF THREE MONTHS. FURTHER ANALYSIS OR RETURN OF SAMPLES MUST BE REQUESTED WITHIN THIS THREE-MONTH PERIOD TO GUARANTEE THEIR AVAILABILITY.

COVINO ENVIRONMENTAL ASSOCIATES, INC
300 Wildwood Avenue, Woburn, MA 01801 • Tel: 781.933.2555 • Fax: 781.932.9402 • email:mail@covinoinc.com

CLIENT: RIVERVIEW CONDOMINIUMS
221 MT. AUBURN STREET
CAMBRIDGE, MA 02138

LOCATION: 221 MT. AUBURN STREET
CAMBRIDGE, MASSACHUSETTS

PROJECT: 12.01052 - 350649
DATE RECEIVED: 07/20/12
ANALYZED: 07/24/12
COLLECTED BY: COVINO
COLLECTED 07/18/12

ANALYTICAL RESULTS OF BULK SAMPLES

LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
350644	FIELD ID: 01A	GY	NO ASBESTOS DETECTED	
	MATERIAL: PIPE FITTING INSULATION ON FIBERGLASS LINE	N	CELLULOSE	07%
			MINERAL WOOL	33%
	LOCATION: TANK ROOM		NONFIBROUS MATERIAL	60%
350645	FIELD ID: 01B	GY	NO ASBESTOS DETECTED	
	MATERIAL: PIPE FITTING INSULATION ON FIBERGLASS LINE	N	CELLULOSE	10%
			MINERAL WOOL	30%
	LOCATION: TANK ROOM		NONFIBROUS MATERIAL	60%
350646	FIELD ID: 01C	GY	NO ASBESTOS DETECTED	
	MATERIAL: PIPE FITTING INSULATION ON FIBERGLASS LINE	N	CELLULOSE	20%
			MINERAL WOOL	30%
	LOCATION: TANK ROOM		NONFIBROUS MATERIAL	50%
350647	FIELD ID: 02A	GY	ASBESTOS - CHRYSOTILE	02%
	MATERIAL: PIPE FITTING INSULATION ON FIBERGLASS LINE	N	CELLULOSE	05%
			MINERAL WOOL	20%
	LOCATION: LAUNDRY RM 801		NONFIBROUS MATERIAL	73%
350648	FIELD ID: 02B	GY	ASBESTOS - CHRYSOTILE	03%
	MATERIAL: PIPE FITTING INSULATION ON FIBERGLASS LINE	N	CELLULOSE	02%
			MINERAL WOOL	20%
	LOCATION: LAUNDRY RM 801		NONFIBROUS MATERIAL	75%
350649	FIELD ID: 02C	GY	ASBESTOS - CHRYSOTILE	02%
	MATERIAL: PIPE FITTING INSULATION ON FIBERGLASS LINE	N	MINERAL WOOL	20%
			NONFIBROUS MATERIAL	78%
	LOCATION: LAUNDRY RM 801			

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue, Woburn, MA 01801 • Tel: 781.933.2555 • Fax: 781.932.9402 • email:mail@covinoinc.com

NOTES: N/A=NOT APPLICABLE

COLOR CODES:												
	BG	BEIGE	BR	BROWN	GY	GRAY	OR	ORANGE	RD	RED	WH	WHITE
	BK	BLACK	CL	CLEAR	MU	MULTI	PI	PINK	SI	SILVER	YL	YELLOW
	BL	BLUE	GN	GREEN	N/A	NONE	PR	PURPLE	TN	TAN	MA	MAROON

LABORATORY CERTIFICATIONS: MA #AA000006 RI #AAL-025C3 VT #AL017034 ME #LB-061
CT #PH-0248

ACCREDITATION: NVLAP #101781-0

DATE OF ISSUE: 08/06/12 APPROVED SIGNATORY: KEVIN T. MCKENZIE, LABORATORY MANAGER

THESE SAMPLES WERE ANALYZED BY POLARIZED LIGHT MICROSCOPY WITH DISPERSION STAINING (PLM/DS) ACCORDING TO THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (US EPA) "INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES" (EPA-600/M4-82-020) AND "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" (EPA-600/R93/116). THIS METHOD IS CONSIDERED SENSITIVE TO THE PRESENCE OF ASBESTOS AT LESS THAN ONE PERCENT. THIS REPORT RELATES ONLY TO THOSE SAMPLES ANALYZED, AND MAY NOT BE INDICATIVE OF OTHER SIMILAR APPEARING MATERIALS EXISTING AT THIS, OR OTHER SITES.

FLOOR TILES AND RESINOUSLY BOUND MATERIALS ANALYZED BY EPA METHOD 600/R93/116, "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS," MAY YIELD FALSE NEGATIVE RESULTS DUE TO DIFFICULTIES IN ISOLATING SUSPECT FIBERS AND SUBSEQUENTLY IDENTIFYING THEM BENEATH THE MATRIX MATERIAL WHICH ENCAPSULATES THEM. SHEARING DURING THE MANUFACTURE OF VINYL TILE DECREASES THE FIBER SIZE OF THE ASBESTOS COMPONENT; THEREFORE, THE FIBERS MAY NOT BE READILY DETECTABLE USING POLARIZED LIGHT MICROSCOPY. AS A RESULT, LABORATORY ANALYSIS CANNOT ALWAYS BE ACCOMPLISHED USING STANDARD TECHNIQUES. WHEN THE EPA METHOD YIELDS A "NO ASBESTOS DETECTED" RESULT FOR FLOOR TILES AND RESINOUSLY BOUND MATERIALS, COVINO ENVIRONMENTAL ASSOCIATES RECOMMENDS FURTHER ANALYSIS USING SEM OR TEM TECHNIQUES FOR THE IDENTIFICATION OF ASBESTOS.

THE EPA REQUIRES THAT FRIABLE SAMPLES WITH ASBESTOS CONTENTS OF LESS THAN 10%, DETERMINED BY A VISUAL ESTIMATION, BE VERIFIED USING THE POINT COUNTING TECHNIQUE OR OTHERWISE BE ASSUMED TO CONTAIN GREATER THAN 1% ASBESTOS BY THE BUILDING OWNER OR OPERATOR. IF ANALYTICAL RESULTS INDICATE THE PRESENCE OF 1% OR LESS ASBESTOS IN A FRIABLE MATERIAL, THAT MATERIAL MUST BE TREATED AS ASBESTOS-CONTAINING MATERIAL UNLESS THESE QUANTITIES ARE VERIFIED USING THE POINT COUNTING TECHNIQUE. FRIABLE SAMPLES WILL BE POINT-COUNTED UPON REQUEST BY THE CLIENT. POINT COUNTING IS NOT REQUIRED FOR THOSE SAMPLES IN WHICH NO ASBESTOS IS DETECTED DURING ANALYSIS BY PLM.

LAYERED SAMPLES ARE ANALYZED IN THE FOLLOWING MANNER: ALL LAYERS ARE ANALYZED SEPARATELY, AND QUANTITIES ARE REPORTED AS A PERCENTAGE OF THE ENTIRE COMPOSITE SAMPLE.

ALL SAMPLES ARE STORED AT THE COVINO LABORATORY FOR A PERIOD OF THREE MONTHS. FURTHER ANALYSIS OR RETURN OF SAMPLES MUST BE REQUESTED WITHIN THIS THREE-MONTH PERIOD TO GUARANTEE THEIR AVAILABILITY.

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wilcwood Avenue, Woburn, MA 01801 • Tel: 781.933.2555 • Fax: 781.932.9402 • email:mail@covinoinc.com

CLIENT: RIVERVIEW CONDOMINIUMS
221 MT. AUBURN STREET
CAMBRIDGE, MA 02138

LOCATION: 221 MT. AUBURN STREET
CAMBRIDGE, MASSACHUSETTS

PROJECT: 12.00151 - 332453
DATE RECEIVED: 01/25/12
ANALYZED: 01/26/12
COLLECTED BY: COVINO
COLLECTED 01/24/12

ANALYTICAL RESULTS OF BULK SAMPLES

LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
332453	FIELD ID: 01A	GY	ASBESTOS - CHRYSOTILE	60%
	MATERIAL: BOILER INSULATION	N	NONFIBROUS MATERIAL	40%
	LOCATION: BOILER #1			
332454	FIELD ID: 01B	GY	ASBESTOS - CHRYSOTILE	55%
	MATERIAL: BOILER INSULATION	N	NONFIBROUS MATERIAL	45%
	LOCATION: BOILER #1			
332455	FIELD ID: 01C	GY	ASBESTOS - CHRYSOTILE	50%
	MATERIAL: BOILER INSULATION	N	NONFIBROUS MATERIAL	50%
	LOCATION: BOILER #2			
332456	FIELD ID: 02A	GY	ASBESTOS - CHRYSOTILE	45%
	MATERIAL: EXHAUST BREACHING INSULATION	N	MINERAL WOOL	25%
	LOCATION: BOILER #2		NONFIBROUS MATERIAL	30%
332457	FIELD ID: 02B	GY	ASBESTOS - CHRYSOTILE	60%
	MATERIAL: EXHAUST BREACHING INSULATION	N	NONFIBROUS MATERIAL	40%
	LOCATION: BOILER #2			
332458	FIELD ID: 02C	GY	ASBESTOS - CHRYSOTILE	50%
	MATERIAL: EXHAUST BREACHING INSULATION	N	MINERAL WOOL	15%
	LOCATION: BOILER #1		NONFIBROUS MATERIAL	35%
332459	FIELD ID: 03A	GY	NO ASBESTOS DETECTED	
	MATERIAL: MUDDED FITTING ON HEATING LINES	N	MINERAL WOOL	45%
	LOCATION: BOILER RM		NONFIBROUS MATERIAL	55%

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue • Woburn, Massachusetts 01801 • Tel 781.933.2555 • Fax 781.932.9402 • email mail@covinoinc.com

LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
332460	FIELD ID: 03B	GY	NO ASBESTOS DETECTED	
	MATERIAL: MUDDED FITTING ON HEATING LINES	Y	FIBROUS GLASS	65%
	LOCATION: BOILER RM		CELLULOSE	10%
			NONFIBROUS MATERIAL	25%
332461	FIELD ID: 03C	GY	NO ASBESTOS DETECTED	
	MATERIAL: MUDDED FITTING ON HEATING LINES	Y	MINERAL WOOL	20%
	LOCATION: BOILER RM		NONFIBROUS MATERIAL	80%
332462	FIELD ID: 04A	GY	NO ASBESTOS DETECTED	
	MATERIAL: MUDDED FITTING ON DOMESTIC WATER	N	MINERAL WOOL	20%
	LOCATION: BOILER RM		NONFIBROUS MATERIAL	80%
332463	FIELD ID: 04B	GY	ASBESTOS - CHRYSOTILE	30%
	MATERIAL: MUDDED FITTING ON DOMESTIC WATER	N	MINERAL WOOL	35%
	LOCATION: BOILER RM		NONFIBROUS MATERIAL	35%
332464	FIELD ID: 04C	GY	ASBESTOS - CHRYSOTILE	20%
	MATERIAL: MUDDED FITTING ON DOMESTIC WATER	N	MINERAL WOOL	35%
	LOCATION: BOILER RM		NONFIBROUS MATERIAL	45%
332465	FIELD ID: 05A	GY	NO ASBESTOS DETECTED	
	MATERIAL: TANK INSULATION	N	MINERAL WOOL	25%
	LOCATION: STORAGE TANK, BOILER RM		NONFIBROUS MATERIAL	75%
332466	FIELD ID: 05B	GY	NO ASBESTOS DETECTED	
	MATERIAL: TANK INSULATION	N	MINERAL WOOL	35%
	LOCATION: STORAGE TANK, BOILER RM		NONFIBROUS MATERIAL	65%

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue • Woburn, Massachusetts 01801 • Tel 781.933.2555 • Fax 781.932.9402 • email mail@covinoinc.com

LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
332467	FIELD ID: 05C	GY	NO ASBESTOS DETECTED	
	MATERIAL: TANK INSULATION	N	MINERAL WOOL	35%
	LOCATION: STORAGE TANK, BOILER RM		NONFIBROUS MATERIAL	65%
332468	FIELD ID: 06A	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING	N	HAIR	02%
	LOCATION: BOILER ROOM		NONFIBROUS MATERIAL	98%
332469	FIELD ID: 06B	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING	N	NONFIBROUS MATERIAL	100%
	LOCATION: BOILER ROOM			
332470	FIELD ID: 06C	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING	N	NONFIBROUS MATERIAL	100%
	LOCATION: BOILER ROOM			
332471	FIELD ID: 06D	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING	N	HAIR	01%
	LOCATION: BOILER ROOM		NONFIBROUS MATERIAL	99%
332472	FIELD ID: 06E	GY	NO ASBESTOS DETECTED	
	MATERIAL: PLASTER CEILING	N	HAIR	01%
	LOCATION: BOILER ROOM		NONFIBROUS MATERIAL	99%
332473	FIELD ID: 07A	GY	NO ASBESTOS DETECTED	
	MATERIAL: FITTING DEBRIS ON TOP OF CEILING	N	MINERAL WOOL	20%
	LOCATION: BOILER ROOM		NONFIBROUS MATERIAL	80%
332474	FIELD ID: 07B	GY	NO ASBESTOS DETECTED	
	MATERIAL: FITTING DEBRIS ON TOP OF CEILING	N	MINERAL WOOL	25%
	LOCATION: BOILER ROOM		NONFIBROUS MATERIAL	75%

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue • Woburn, Massachusetts 01801 • Tel 781.933.2555 • Fax 781.932.9402 • email mail@covinoinc.com

LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
332475	FIELD ID: 08A	GY	NO ASBESTOS DETECTED	
	MATERIAL: CHIMNEY LINING MORTAR	N	NONFIBROUS MATERIAL	100%
	LOCATION: CHIMNEY			
332476	FIELD ID: 08B	GY	NO ASBESTOS DETECTED	
	MATERIAL: CHIMNEY LINING MORTAR	N	NONFIBROUS MATERIAL	100%
	LOCATION: CHIMNEY			
332477	FIELD ID: 08C	GY	NO ASBESTOS DETECTED	
	MATERIAL: CHIMNEY LINING MORTAR	N	NONFIBROUS MATERIAL	100%
	LOCATION: CHIMNEY			
332478	FIELD ID: 09A	WH/TN	NO ASBESTOS DETECTED	
	MATERIAL: TEXTURED WALL PANEL	N	CELLULOSE	85%
	LOCATION: BOILER ROOM		NONFIBROUS MATERIAL	15%
332479	FIELD ID: 09B	WH/TN	NO ASBESTOS DETECTED	
	MATERIAL: TEXTURED WALL PANEL	N	CELLULOSE	85%
	LOCATION: BOILER ROOM		NONFIBROUS MATERIAL	15%
332480	FIELD ID: 09C	WH/TN	NO ASBESTOS DETECTED	
	MATERIAL: TEXTURED WALL PANEL	N	CELLULOSE	85%
	LOCATION: BOILER ROOM		NONFIBROUS MATERIAL	15%

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue • Woburn, Massachusetts 01801 • Tel 781.933.2555 • Fax 781.932.9402 • email mail@covinoinc.com

NOTES: N/A=NOT APPLICABLE

COLOR CODES:												
	BG	BEIGE	BR	BROWN	GY	GRAY	OR	ORANGE	RD	RED	WH	WHITE
	BK	BLACK	CL	CLEAR	MU	MULTI	PI	PINK	SI	SILVER	YL	YELLOW
	BL	BLUE	GN	GREEN	N/A	NONE	PR	PURPLE	TN	TAN	MA	MAROON

LABORATORY CERTIFICATIONS: MA #AA000006 RI #AAL-025C3 VT #AL017034 ME #LB-061
CT #PH-0248

ACCREDITATION: NVLAP #101781-0

DATE OF ISSUE: 01/30/12 APPROVED SIGNATORY: KEVIN T. MCKENZIE, LABORATORY MANAGER

THESE SAMPLES WERE ANALYZED BY POLARIZED LIGHT MICROSCOPY WITH DISPERSION STAINING (PLM/DS) ACCORDING TO THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (US EPA) "INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES" (EPA-600/M4-82-020) AND "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" (EPA-600/R93/116). THIS METHOD IS CONSIDERED SENSITIVE TO THE PRESENCE OF ASBESTOS AT LESS THAN ONE PERCENT. THIS REPORT RELATES ONLY TO THOSE SAMPLES ANALYZED, AND MAY NOT BE INDICATIVE OF OTHER SIMILAR APPEARING MATERIALS EXISTING AT THIS, OR OTHER SITES.

FLOOR TILES AND RESINOUSLY BOUND MATERIALS ANALYZED BY EPA METHOD 600/R93/116, "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS," MAY YIELD FALSE NEGATIVE RESULTS DUE TO DIFFICULTIES IN ISOLATING SUSPECT FIBERS AND SUBSEQUENTLY IDENTIFYING THEM BENEATH THE MATRIX MATERIAL WHICH ENCAPSULATES THEM. SHEARING DURING THE MANUFACTURE OF VINYL TILE DECREASES THE FIBER SIZE OF THE ASBESTOS COMPONENT; THEREFORE, THE FIBERS MAY NOT BE READILY DETECTABLE USING POLARIZED LIGHT MICROSCOPY. AS A RESULT, LABORATORY ANALYSIS CANNOT ALWAYS BE ACCOMPLISHED USING STANDARD TECHNIQUES. WHEN THE EPA METHOD YIELDS A "NO ASBESTOS DETECTED" RESULT FOR FLOOR TILES AND RESINOUSLY BOUND MATERIALS, COVINO ENVIRONMENTAL ASSOCIATES RECOMMENDS FURTHER ANALYSIS USING SEM OR TEM TECHNIQUES FOR THE IDENTIFICATION OF ASBESTOS.

THE EPA REQUIRES THAT FRIABLE SAMPLES WITH ASBESTOS CONTENTS OF LESS THAN 10%, DETERMINED BY A VISUAL ESTIMATION, BE VERIFIED USING THE POINT COUNTING TECHNIQUE OR OTHERWISE BE ASSUMED TO CONTAIN GREATER THAN 1% ASBESTOS BY THE BUILDING OWNER OR OPERATOR. IF ANALYTICAL RESULTS INDICATE THE PRESENCE OF 1% OR LESS ASBESTOS IN A FRIABLE MATERIAL, THAT MATERIAL MUST BE TREATED AS ASBESTOS-CONTAINING MATERIAL UNLESS THESE QUANTITIES ARE VERIFIED USING THE POINT COUNTING TECHNIQUE. FRIABLE SAMPLES WILL BE POINT-COUNTED UPON REQUEST BY THE CLIENT. POINT COUNTING IS NOT REQUIRED FOR THOSE SAMPLES IN WHICH NO ASBESTOS IS DETECTED DURING ANALYSIS BY PLM.

LAYERED SAMPLES ARE ANALYZED IN THE FOLLOWING MANNER: ALL LAYERS ARE ANALYZED SEPARATELY, AND QUANTITIES ARE REPORTED AS A PERCENTAGE OF THE ENTIRE COMPOSITE SAMPLE.

ALL SAMPLES ARE STORED AT THE COVINO LABORATORY FOR A PERIOD OF THREE MONTHS. FURTHER ANALYSIS OR RETURN OF SAMPLES MUST BE REQUESTED WITHIN THIS THREE-MONTH PERIOD TO GUARANTEE THEIR AVAILABILITY.

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue • Woburn, Massachusetts 01801 • Tel 781.933.2555 • Fax 781.932.9402 • email mail@covinoinc.com

CLIENT: RIVERVIEW CONDOMINIUMS
221 MT. AUBURN STREET
CAMBRIDGE, MA 02138

LOCATION: 221 MT. AUBURN STREET
CAMBRIDGE, MASSACHUSETTS

PROJECT: 12.00151 - 332962
DATE RECEIVED: 02/01/12
ANALYZED: 02/02/12
COLLECTED BY: COVINO
COLLECTED: 02/01/12

ANALYTICAL RESULTS OF BULK SAMPLES

LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
332962	FIELD ID: 01A	GY	NO ASBESTOS DETECTED	
	MATERIAL: MUDDED FITTING ON HEATING LINE	N	CELLULOSE	30 %
	LOCATION: RIGHT SIDE OF BOILER #2		MINERAL WOOL	20 %
			NONFIBROUS MATERIAL	50 %
332963	FIELD ID: 01B	GY	NO ASBESTOS DETECTED	
	MATERIAL: MUDDED FITTING ON HEATING LINE	N	CELLULOSE	15 %
	LOCATION: BETWEEN BOILER 1 & 2		MINERAL WOOL	18 %
			NONFIBROUS MATERIAL	67 %
332964	FIELD ID: 01C	GY	NO ASBESTOS DETECTED	
	MATERIAL: MUDDED FITTING ON HEATING LINE	N	CELLULOSE	05 %
	LOCATION: BETWEEN BOILER 1 & 2		MINERAL WOOL	20 %
			NONFIBROUS MATERIAL	75 %
332965	FIELD ID: 01D	GY	NO ASBESTOS DETECTED	
	MATERIAL: MUDDED FITTING ON HEATING LINE	N	CELLULOSE	05 %
	LOCATION: BETWEEN BOILER #2		MINERAL WOOL	20 %
			NONFIBROUS MATERIAL	75 %
332966	FIELD ID: 01E	GY	NO ASBESTOS DETECTED	
	MATERIAL: MUDDED FITTING ON HEATING LINE	N	CELLULOSE	05 %
	LOCATION: ABOVE CEILING, BEHIND BOILER #2		MINERAL WOOL	20 %
			NONFIBROUS MATERIAL	75 %
332967	FIELD ID: 01F	GY	NO ASBESTOS DETECTED	
	MATERIAL: MUDDED FITTING ON HEATING LINE	N	CELLULOSE	05 %
	LOCATION: BY PUMPS TO LEFT OF BOILER #1		MINERAL WOOL	30 %
			NONFIBROUS MATERIAL	65 %

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue • Woburn, Massachusetts 01801 • Tel 781.933.2555 • Fax 781.932.9402 • email mail@covinoinc.com

LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
332968	FIELD ID: 01C	GY	NO ASBESTOS DETECTED	
	MATERIAL: MUDDED FITTING ON HEATING LINE	N	CELLULOSE	05 %
	LOCATION: BY PUMP TO LEFT OF BOILER		MINERAL WOOL	25 %
			NONFIBROUS MATERIAL	70 %

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue • Woburn, Massachusetts 01801 • Tel 781.933.2555 • Fax 781.932.9402 • email mail@covinoinc.com

NOTES: N/A=NOT APPLICABLE

COLOR CODES:

BG	BEIGE	BR	BROWN	GY	GRAY	OR	ORANGE	RD	RED	WH	WHITE
BK	BLACK	CL	CLEAR	MU	MULTI	PI	PINK	SI	SILVER	YL	YELLOW
BL	BLUE	GN	GREEN	N/A	NONE	PR	PURPLE	TN	TAN	MA	MAROON

LABORATORY CERTIFICATIONS: MA #AA000006 RI #AAL-025C3 VT #AL017034 ME #LB-061
CT #PH-0248

ACCREDITATION NVLAP #101781-0

DATE OF ISSUE: 02/13/12 APPROVED SIGNATORY: KEVIN T. MCKENZIE, LABORATORY MANAGER

THESE SAMPLES WERE ANALYZED BY POLARIZED LIGHT MICROSCOPY WITH DISPERSION STAINING (PLM/DS) ACCORDING TO THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (US EPA) "INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES" (EPA-600/M4-82-020) AND "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" (EPA-600/R93/116). THIS METHOD IS CONSIDERED SENSITIVE TO THE PRESENCE OF ASBESTOS AT LESS THAN ONE PERCENT. THIS REPORT RELATES ONLY TO THOSE SAMPLES ANALYZED, AND MAY NOT BE INDICATIVE OF OTHER SIMILAR APPEARING MATERIALS EXISTING AT THIS, OR OTHER SITES.

FLOOR TILES AND RESINOUSLY BOUND MATERIALS ANALYZED BY EPA METHOD 600/R93/116, "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS," MAY YIELD FALSE NEGATIVE RESULTS DUE TO DIFFICULTIES IN ISOLATING SUSPECT FIBERS AND SUBSEQUENTLY IDENTIFYING THEM BENEATH THE MATRIX MATERIAL WHICH ENCAPSULATES THEM. SHEARING DURING THE MANUFACTURE OF VINYL TILE DECREASES THE FIBER SIZE OF THE ASBESTOS COMPONENT; THEREFORE, THE FIBERS MAY NOT BE READILY DETECTABLE USING POLARIZED LIGHT MICROSCOPY. AS A RESULT, LABORATORY ANALYSIS CANNOT ALWAYS BE ACCOMPLISHED USING STANDARD TECHNIQUES. WHEN THE EPA METHOD YIELDS A "NO ASBESTOS DETECTED" RESULT FOR FLOOR TILES AND RESINOUSLY BOUND MATERIALS, COVINO ENVIRONMENTAL ASSOCIATES RECOMMENDS FURTHER ANALYSIS USING SEM OR TEM TECHNIQUES FOR THE IDENTIFICATION OF ASBESTOS.

THE EPA REQUIRES THAT FRIABLE SAMPLES WITH ASBESTOS CONTENTS OF LESS THAN 10%, DETERMINED BY A VISUAL ESTIMATION, BE VERIFIED USING THE POINT COUNTING TECHNIQUE OR OTHERWISE BE ASSUMED TO CONTAIN GREATER THAN 1% ASBESTOS BY THE BUILDING OWNER OR OPERATOR. IF ANALYTICAL RESULTS INDICATE THE PRESENCE OF 1% OR LESS ASBESTOS IN A FRIABLE MATERIAL, THAT MATERIAL MUST BE TREATED AS ASBESTOS-CONTAINING MATERIAL UNLESS THESE QUANTITIES ARE VERIFIED USING THE POINT COUNTING TECHNIQUE. FRIABLE SAMPLES WILL BE POINT-COUNTED UPON REQUEST BY THE CLIENT. POINT COUNTING IS NOT REQUIRED FOR THOSE SAMPLES IN WHICH NO ASBESTOS IS DETECTED DURING ANALYSIS BY PLM.

LAYERED SAMPLES ARE ANALYZED IN THE FOLLOWING MANNER: ALL LAYERS ARE ANALYZED SEPARATELY, AND QUANTITIES ARE REPORTED AS A PERCENTAGE OF THE ENTIRE COMPOSITE SAMPLE.

ALL SAMPLES ARE STORED AT THE COVINO LABORATORY FOR A PERIOD OF THREE MONTHS. FURTHER ANALYSIS OR RETURN OF SAMPLES MUST BE REQUESTED WITHIN THIS THREE-MONTH PERIOD TO GUARANTEE THEIR AVAILABILITY.

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue • Woburn, Massachusetts 01801 • Tel 781.933.2555 • Fax 781.932.9402 • email mail@covinoinc.com

CLIENT: RIVERVIEW CONDOMINIUMS
221 MT. AUBURN STREET
CAMBRIDGE, MA 02138

LOCATION: 221 MT. AUBURN STREET
CAMBRIDGE, MASSACHUSETTS

PROJECT: 12.00151 - 333985
DATE RECEIVED 02/16/12
ANALYZED: 02/16/12
COLLECTED BY: COVINO
COLLECTED: 02/15/12

ANALYTICAL RESULTS OF BULK SAMPLES

LAB ID	SAMPLE DESCRIPTION	COLOR LAYERED	ANALYTICAL RESULTS	
333985	FIELD ID: 01A	GY/WH	NO ASBESTOS DETECTED	
	MATERIAL: PIPE FITTING INSULATION	Y	FIBROUS GLASS	20 %
	LOCATION: TANK ROOM		CELLULOSE	60 %
			NONFIBROUS MATERIAL	20 %
333986	FIELD ID: 01B	GY	NO ASBESTOS DETECTED	
	MATERIAL: PIPE FITTING INSULATION	N	FIBROUS GLASS	15 %
	LOCATION: TANK ROOM		CELLULOSE	10 %
			NONFIBROUS MATERIAL	75 %
333987	FIELD ID: 01C	GY	NO ASBESTOS DETECTED	
	MATERIAL: PIPE FITTING INSULATION	N	FIBROUS GLASS	20 %
	LOCATION: TANK ROOM		CELLULOSE	05 %
			NONFIBROUS MATERIAL	75 %
333988	FIELD ID: 02A	TN	NO ASBESTOS DETECTED	
	MATERIAL: WINDOW CAULK (EXTERIOR)	N	NONFIBROUS MATERIAL	100 %
	LOCATION: BOILER RM WINDOW			
333989	FIELD ID: 02B	TN	NO ASBESTOS DETECTED	
	MATERIAL: WINDOW CAULK (EXTERIOR)	N	NONFIBROUS MATERIAL	100 %
	LOCATION: BOILER RM WINDOW			
333990	FIELD ID: 03A	BK	NO ASBESTOS DETECTED	
	MATERIAL: WINDOW GLAZING COMPOUND (EXTERIOR)	N	NONFIBROUS MATERIAL	100 %
	LOCATION: BOILER RM WINDOW			
333991	FIELD ID: 03B	BK	NO ASBESTOS DETECTED	
	MATERIAL: WINDOW GLAZING COMPOUND (EXTERIOR)	N	NONFIBROUS MATERIAL	100 %
	LOCATION: BOILER RM WINDOW			

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue • Woburn, Massachusetts 01801 • Tel 781.933.2555 • Fax 781.932.9402 • email mail@covinoinc.com

NOTES: N/A=NOT APPLICABLE

COLOR CODES:

BG	BEIGE	BR	BROWN	GY	GRAY	OR	ORANGE	RD	RED	WH	WHITE
BK	BLACK	CL	CLEAR	MU	MULTI	PI	PINK	SI	SILVER	YL	YELLOW
BL	BLUE	GN	GREEN	N/A	NONE	PR	PURPLE	TN	TAN	MA	MAROON

LABORATORY CERTIFICATIONS: MA #AA000006 RI #AAL-025C3 VT #AL017034 ME #LB-061
CT #PH-0248

ACCREDITATION: NVLAP #101781-0

DATE OF ISSUE: 02/29/12 APPROVED SIGNATORY: KEVIN T. MCKENZIE, LABORATORY MANAGER

THESE SAMPLES WERE ANALYZED BY POLARIZED LIGHT MICROSCOPY WITH DISPERSION STAINING (PLM/DS) ACCORDING TO THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (US EPA) "INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES" (EPA-600/M4-82-020) AND "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" (EPA-600/R93/116). THIS METHOD IS CONSIDERED SENSITIVE TO THE PRESENCE OF ASBESTOS AT LESS THAN ONE PERCENT. THIS REPORT RELATES ONLY TO THOSE SAMPLES ANALYZED, AND MAY NOT BE INDICATIVE OF OTHER SIMILAR APPEARING MATERIALS EXISTING AT THIS, OR OTHER SITES.

FLOOR TILES AND RESINOUSLY BOUND MATERIALS ANALYZED BY EPA METHOD 600/R93/116, "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS," MAY YIELD FALSE NEGATIVE RESULTS DUE TO DIFFICULTIES IN ISOLATING SUSPECT FIBERS AND SUBSEQUENTLY IDENTIFYING THEM BENEATH THE MATRIX MATERIAL WHICH ENCAPSULATES THEM. SHEARING DURING THE MANUFACTURE OF VINYL TILE DECREASES THE FIBER SIZE OF THE ASBESTOS COMPONENT; THEREFORE, THE FIBERS MAY NOT BE READILY DETECTABLE USING POLARIZED LIGHT MICROSCOPY. AS A RESULT, LABORATORY ANALYSIS CANNOT ALWAYS BE ACCOMPLISHED USING STANDARD TECHNIQUES. WHEN THE EPA METHOD YIELDS A "NO ASBESTOS DETECTED" RESULT FOR FLOOR TILES AND RESINOUSLY BOUND MATERIALS, COVINO ENVIRONMENTAL ASSOCIATES RECOMMENDS FURTHER ANALYSIS USING SEM OR TEM TECHNIQUES FOR THE IDENTIFICATION OF ASBESTOS.

THE EPA REQUIRES THAT FRIABLE SAMPLES WITH ASBESTOS CONTENTS OF LESS THAN 10%, DETERMINED BY A VISUAL ESTIMATION, BE VERIFIED USING THE POINT COUNTING TECHNIQUE OR OTHERWISE BE ASSUMED TO CONTAIN GREATER THAN 1% ASBESTOS BY THE BUILDING OWNER OR OPERATOR. IF ANALYTICAL RESULTS INDICATE THE PRESENCE OF 1% OR LESS ASBESTOS IN A FRIABLE MATERIAL, THAT MATERIAL MUST BE TREATED AS ASBESTOS-CONTAINING MATERIAL UNLESS THESE QUANTITIES ARE VERIFIED USING THE POINT COUNTING TECHNIQUE. FRIABLE SAMPLES WILL BE POINT-COUNTED UPON REQUEST BY THE CLIENT. POINT COUNTING IS NOT REQUIRED FOR THOSE SAMPLES IN WHICH NO ASBESTOS IS DETECTED DURING ANALYSIS BY PLM.

LAYERED SAMPLES ARE ANALYZED IN THE FOLLOWING MANNER: ALL LAYERS ARE ANALYZED SEPARATELY, AND QUANTITIES ARE REPORTED AS A PERCENTAGE OF THE ENTIRE COMPOSITE SAMPLE.

ALL SAMPLES ARE STORED AT THE COVINO LABORATORY FOR A PERIOD OF THREE MONTHS. FURTHER ANALYSIS OR RETURN OF SAMPLES MUST BE REQUESTED WITHIN THIS THREE-MONTH PERIOD TO GUARANTEE THEIR AVAILABILITY.

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue • Woburn, Massachusetts 01801 • Tel 781.933.2555 • Fax 781.932.9402 • email mail@covinoinc.com

CLIENT : RIVERVIEW CONDOMINIUMS
221 MOUNT AUBURN STREET
CAMBRIDGE, MA 02138

PROJECT : 99.00116
DATE RECEIVED : 01/22/99
DATE ANALYZED : 01/25/99

LOCATION: BOILER ROOM

ANALYTICAL RESULTS OF BULK SAMPLES

LAB I.D. #	SAMPLE DESCRIPTION	COLOR	LAYER Y/N	ANALYTICAL RESULTS	
21853	1 - BROWN FIBROUS INSULATION, LOWER PIPE FITTING	TN	N	NO ASBESTOS DETECTED	
				FIBROUS GLASS :	90%
				NONFIBROUS MATERIAL :	10%
21854	2 - BROWN FIBROUS INSULATION WITH GRAY CEMENT, LOWER PIPE	TN	N	NO ASBESTOS DETECTED	
				FIBROUS GLASS :	90%
				NONFIBROUS MATERIAL :	10%
21855	3 - WHITE INSULATION ON UPPER PIPE FITTING	WH	N	ASBESTOS-CHRYSOTILE :	10%
				ASBESTOS-AMOSITE :	35%
				CELLULOSE :	30%
				NONFIBROUS MATERIAL :	25%

COLOR CODE

BK = BLACK OR = ORANGE
BL = BLUE PI = PINK
BR = BROWN RD = RED
GY = GRAY TN = TAN
GN = GREEN WH = WHITE
MU = MULTI YL = YELLOW

N/A = NOT APPLICABLE

ANALYSIS METHOD: POLARIZED LIGHT MICROSCOPY WITH DISPERSION STAINING (PLM/DS) BY EPA/600/R93/116

PLEASE SEE ATTACHMENT FOR FURTHER INTERPRETATION OF RESULTS.

LABORATORY CERTIFICATION # MA #AA000006; RI #AAL-025C3; VT #AL017034; ME #LB-061

LABORATORY SUPERVISOR

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue • Woburn, Massachusetts 01801 • Tel 781.933.2555 • Fax 781.932.9402 • email covino@tiac.net

THESE SAMPLES WERE ANALYZED BY POLARIZED LIGHT MICROSCOPY WITH DISPERSION STAINING (PLM/DS) ACCORDING TO THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (US EPA) "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" (EPA/600/R-93/116). THIS METHOD IS CONSIDERED SENSITIVE TO THE PRESENCE OF ASBESTOS AT LESS THAN ONE PERCENT. THIS REPORT RELATES ONLY TO THOSE SAMPLES ANALYZED, AND MAY NOT BE INDICATIVE OF OTHER SIMILAR APPEARING MATERIALS EXISTING AT THIS, OR OTHER SITES.

FLOOR TILES AND RESINOUSLY BOUND MATERIALS ANALYZED BY EPA METHOD 600/R-93/116, METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS, MAY YIELD FALSE NEGATIVE RESULTS DUE TO DIFFICULTIES IN ISOLATING SUSPECT FIBERS AND SUBSEQUENTLY IDENTIFYING THEM BENEATH THE MATRIX MATERIAL WHICH ENCAPSULATES THEM. SHEARING DURING THE MANUFACTURE OF VINYL TILE DECREASES THE FIBER SIZE OF THE ASBESTOS COMPONENT; THEREFORE, THE FIBERS MAY NOT BE READILY DETECTABLE USING POLARIZED LIGHT MICROSCOPY. AS A RESULT, LABORATORY ANALYSIS CANNOT ALWAYS BE ACCOMPLISHED USING STANDARD TECHNIQUES. WHEN THE EPA METHOD YIELDS A "NO ASBESTOS DETECTED" RESULT FOR FLOOR TILES AND RESINOUSLY BOUND MATERIALS, COVINO ENVIRONMENTAL ASSOCIATES RECOMMENDS FURTHER ANALYSIS USING SEM OR TEM TECHNIQUES FOR THE IDENTIFICATION OF ASBESTOS.

THE AMOUNT OF ASBESTOS PRESENT AT OR BELOW THE QUANTITATION LIMIT IS DETERMINED USING PREPARED SLIDES OF KNOWN WEIGHT PERCENTS AS CALIBRATION STANDARDS.

THE EPA NOW REQUIRES THAT FRIABLE SAMPLES WITH ASBESTOS CONTENTS OF LESS THAN 10%, DETERMINED BY A VISUAL ESTIMATION, BE VERIFIED USING THE POINT COUNTING TECHNIQUE OR OTHERWISE BE ASSUMED TO CONTAIN GREATER THAN 1% ASBESTOS BY THE BUILDING OWNER OR OPERATOR. IF ANALYTICAL RESULTS INDICATE THE PRESENCE OF 1% OR LESS ASBESTOS IN A FRIABLE MATERIAL, THAT MATERIAL MUST BE TREATED AS ASBESTOS-CONTAINING MATERIAL UNLESS THESE QUANTITIES ARE VERIFIED USING THE POINT COUNTING TECHNIQUE. POINT COUNTING IS A SYSTEMATIC TECHNIQUE FOR ESTIMATING CONCENTRATION, ALSO USING PLM. IF YOU WOULD LIKE ANY OF YOUR FRIABLE SAMPLES WITH ASBESTOS CONTENTS OF LESS THAN 10% TO BE POINT COUNTED, PLEASE CALL OUR OFFICE. POINT COUNTING IS NOT REQUIRED FOR THOSE SAMPLES IN WHICH NO ASBESTOS IS DETECTED DURING ANALYSIS BY PLM.

ALL SAMPLES ARE STORED AT THE COVINO LABORATORY FOR A PERIOD OF THREE MONTHS. FURTHER ANALYSIS OR RETURN OF SAMPLES MUST BE REQUESTED WITHIN THIS THREE MONTH PERIOD TO GUARANTEE THEIR AVAILABILITY.

COVINO ENVIRONMENTAL ASSOCIATES, INC
300 Wildwood Avenue • Woburn, Massachusetts 01801 • Tel 781.933.2555 • Fax 781.932.9402 • email covino@tiac.net

CLIENT : MR. PETER PORTER
THAYER AND ASSOCIATES
221 MOUNT AUBURN STREET
CAMBRIDGE, MA 02138

PROJECT : 98.00611
DATE RECEIVED : 04/24/98
DATE ANALYZED : 04/24/98

LOCATION: 221 MOUNT AUBURN STREET
CAMBRIDGE, MA

ANALYTICAL RESULTS OF BULK SAMPLES

LAB I.D. #	SAMPLE DESCRIPTION	COLOR	LAYER Y/N	ANALYTICAL RESULTS
11930	01, FITTING INSULATION FROM FITTING ABOVE SOFFIT IN CAR PARK	GY	N	NO ASBESTOS DETECTED FIBROUS GLASS : 45% CELLULOSE : < 01% NONFIBROUS MATERIAL : 55%

COLOR CODE

BK = BLACK
BL = BLUE
BR = BROWN
GY = GRAY
GN = GREEN
MU = MULTI
OR = ORANGE
PI = PINK
RD = RED
TN = TAN
WH = WHITE
YL = YELLOW

N/A = NOT APPLICABLE

ANALYSIS METHOD: POLARIZED LIGHT MICROSCOPY WITH DISPERSION STAINING (PLM/DS) BY EPA/600/R93/116

PLEASE SEE ATTACHMENT FOR FURTHER INTERPRETATION OF RESULTS.

LABORATORY CERTIFICATION # MA #AA000006

LABORATORY SUPERVISOR

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue • Woburn, Massachusetts 01801 • Tel 781.933.2555 • Fax 781.932.9402 • emailcovino@tiac.net

THESE SAMPLES WERE ANALYZED BY POLARIZED LIGHT MICROSCOPY WITH DISPERSION STAINING (PLM/DS) ACCORDING TO THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (US EPA) "INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING SAMPLES" (EPA/600/R-93/116. THIS METHOD IS CONSIDERED SENSITIVE TO THE PRESENCE OF ASBESTOS AT LESS THAN ONE PERCENT. THIS REPORT RELATES ONLY TO THOSE SAMPLES ANALYZED, AND MAY NOT BE INDICATIVE OF OTHER SIMILAR APPEARING MATERIALS EXISTING AT THIS, OR OTHER SITES.

FLOOR TILES AND RESINOUSLY BOUND MATERIALS ANALYZED BY EPA METHOD 600/R-93/116, INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING SAMPLES, MAY YIELD FALSE NEGATIVE RESULTS DUE TO DIFFICULTIES IN ISOLATING SUSPECT FIBERS AND SUBSEQUENTLY IDENTIFYING THEM BENEATH THE MATRIX MATERIAL WHICH ENCAPSULATES THEM. SHEARING DURING THE MANUFACTURE OF VINYL TILE DECREASES THE FIBER SIZE OF THE ASBESTOS COMPONENT; THEREFORE, THE FIBERS MAY NOT BE READILY DETECTABLE USING POLARIZED LIGHT MICROSCOPY. AS A RESULT, LABORATORY ANALYSIS CANNOT ALWAYS BE ACCOMPLISHED USING STANDARD TECHNIQUES. WHEN THE EPA METHOD YIELDS A "NO ASBESTOS DETECTED" RESULT FOR FLOOR TILES AND RESINOUSLY BOUND MATERIALS, COVINO ENVIRONMENTAL ASSOCIATES RECOMMENDS FURTHER ANALYSIS USING SEM OR TEM TECHNIQUES FOR THE IDENTIFICATION OF ASBESTOS.

THE AMOUNT OF ASBESTOS PRESENT AT OR BELOW THE QUANTITATION LIMIT IS DETERMINED USING PREPARED SLIDES OF KNOWN WEIGHT PERCENTS AS CALIBRATION STANDARDS.

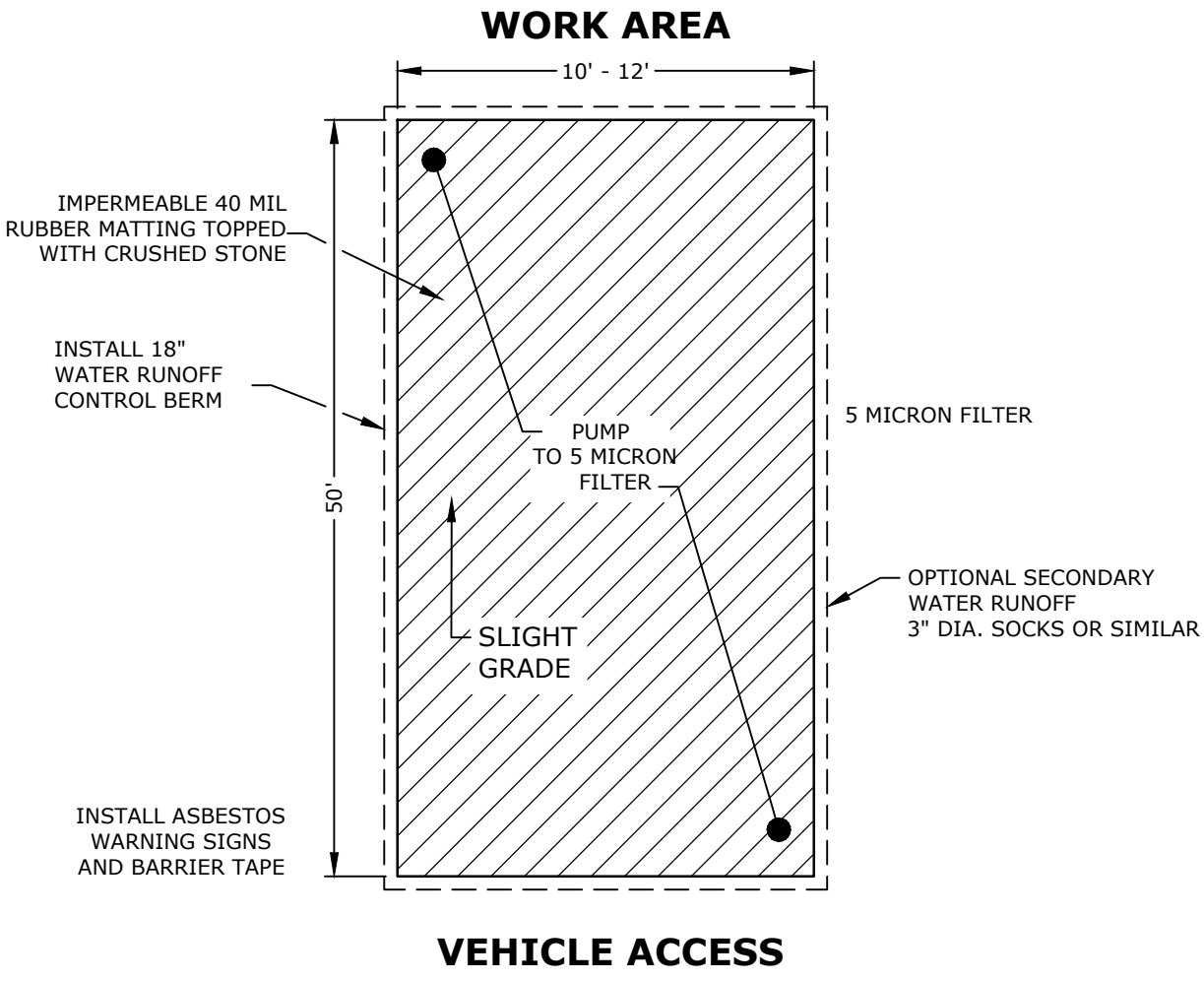
THE EPA NOW REQUIRES THAT FRIABLE SAMPLES WITH ASBESTOS CONTENTS OF LESS THAN 10%, DETERMINED BY A VISUAL ESTIMATION, BE VERIFIED USING THE POINT COUNTING TECHNIQUE OR OTHERWISE BE ASSUMED TO CONTAIN GREATER THAN 1% ASBESTOS BY THE BUILDING OWNER OR OPERATOR. IF ANALYTICAL RESULTS INDICATE THE PRESENCE OF 1% OR LESS ASBESTOS IN A FRIABLE MATERIAL, THAT MATERIAL MUST BE TREATED AS ASBESTOS-CONTAINING MATERIAL UNLESS THESE QUANTITIES ARE VERIFIED USING THE POINT COUNTING TECHNIQUE. POINT COUNTING IS A SYSTEMATIC TECHNIQUE FOR ESTIMATING CONCENTRATION, ALSO USING PLM. IF YOU WOULD LIKE ANY OF YOUR FRIABLE SAMPLES WITH ASBESTOS CONTENTS OF LESS THAN 10% TO BE POINT COUNTED, PLEASE CALL OUR OFFICE. POINT COUNTING IS NOT REQUIRED FOR THOSE SAMPLES IN WHICH NO ASBESTOS IS DETECTED DURING ANALYSIS BY PLM.

ALL SAMPLES ARE STORED AT THE COVINO LABORATORY FOR A PERIOD OF THREE MONTHS. FURTHER ANALYSIS OR RETURN OF SAMPLES MUST BE REQUESTED WITHIN THIS THREE MONTH PERIOD TO GUARANTEE THEIR AVAILABILITY.

COVINO ENVIRONMENTAL ASSOCIATES INC
300 Wildwood Avenue • Woburn, Massachusetts 01801 • Tel 781.933.2555 • Fax 781.932.9402 • emailcovino@tiac.net

ATTACHMENT B

TRUCK WASH UNIT SKETCH

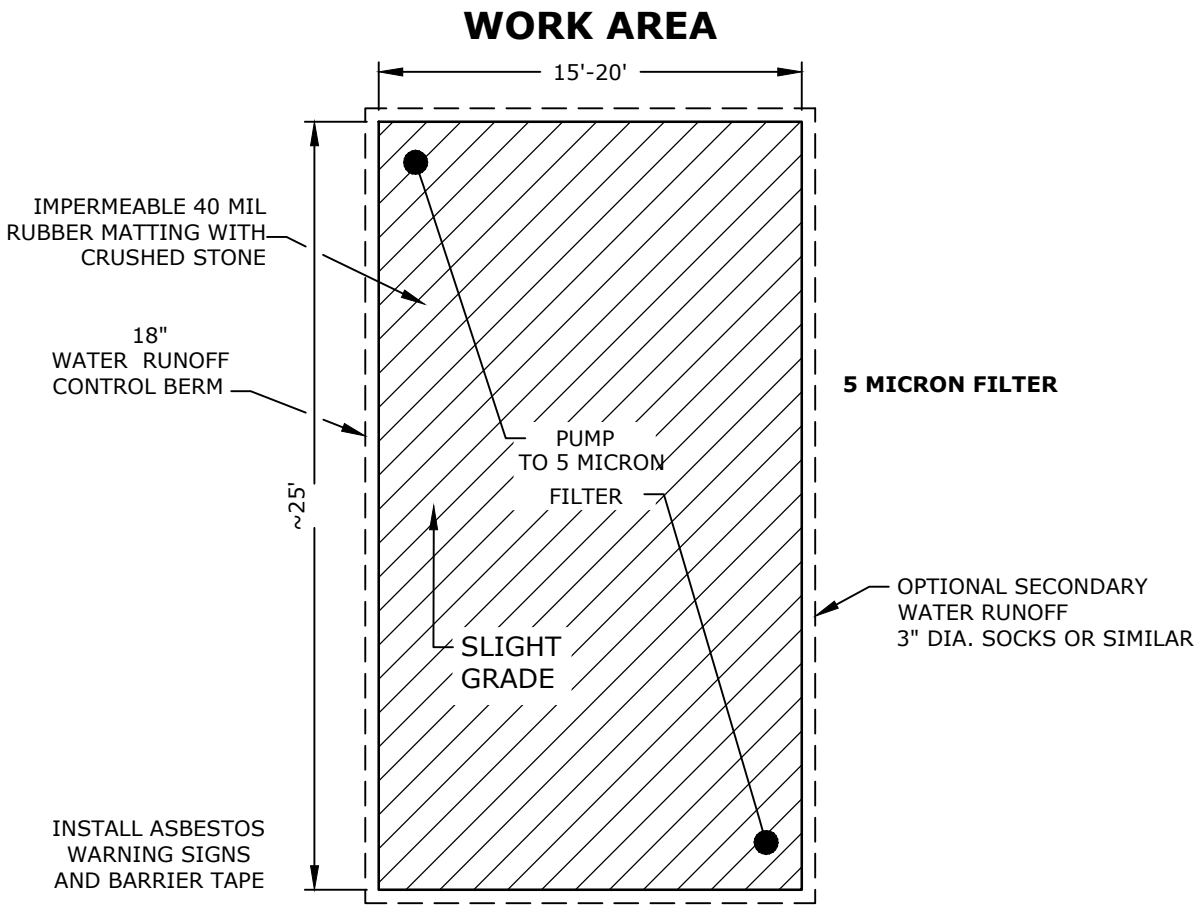


EQUIPMENT/VEHICLE WASH STATION DETAIL

NO SCALE

ATTACHMENT C

WASH PAD UNIT SKETCH

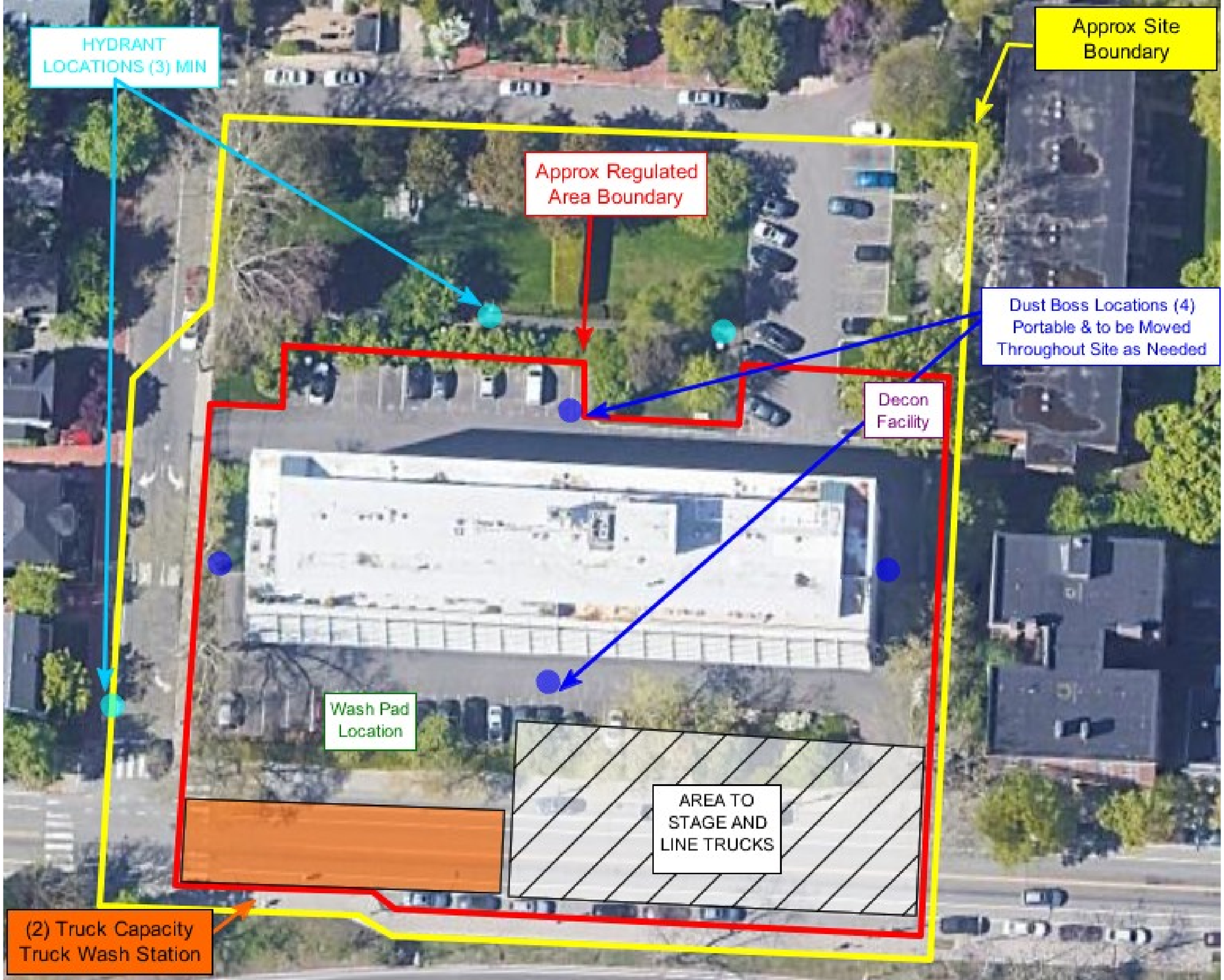


MATERIAL DECONTAMINTATION PAD

NO SCALE

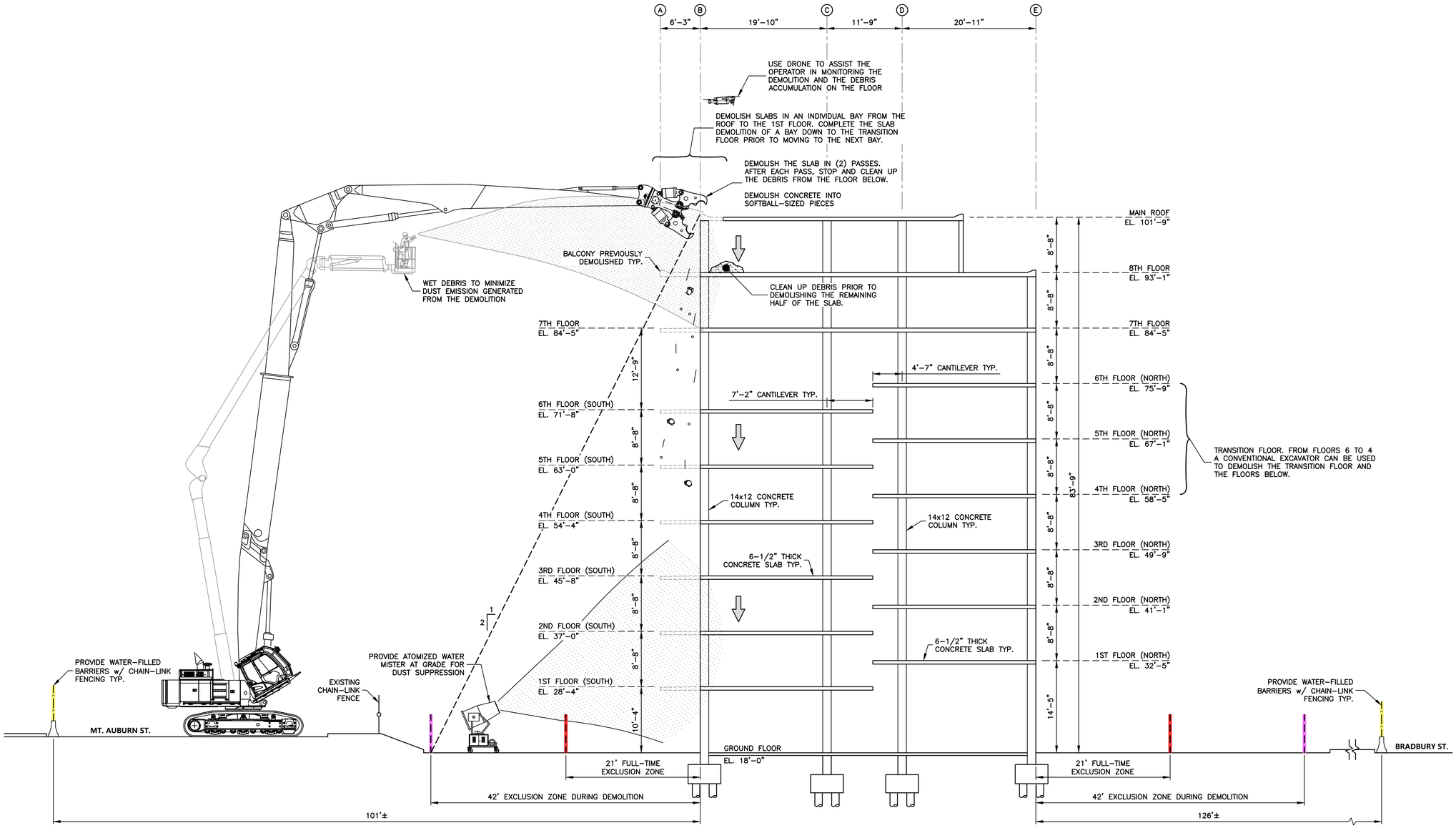
ATTACHMENT D

ASBESTOS REGULATED WORK AREA SITE SKETCH


HYDRANT LOCATIONS (3) MIN
Approx Site Boundary
Approx Regulated Area Boundary
Dust Boss Locations (4) Portable & to be Moved Throughout Site as Needed
Decon Facility
Wash Pad Location
AREA TO STAGE AND LINE TRUCKS
(2) Truck Capacity Truck Wash Station

ATTACHMENT E

HOWARD I. SHAPIRO & ASSOCIATES - SELECTED DEMOLITION DRAWINGS



DEMOLITION FROM SOUTH TO NORTH WITH HIGH REACH EXCAVATOR

SCALE: 1/8" = 1'-0"

No.	DATE	DESCRIPTION	BY

HOWARD I. SHAPIRO & ASSOCIATES CONSULTING ENGINEERS, P.C.
266 MERRICK ROAD, SUITE 300, LYNBROOK, N.Y. 11563
TEL: (516) 791-2600 FAX: (516) 791-5425

PROJECT

EMERGENCY DEMOLITION OF 9-STORY BLDG
RIVERVIEW CONDOMINIUMS
221 MT. AUBURN ST, CAMBRIDGE, MA

CONTRACTOR

NORTHSTAR CONTRACTING GROUP, INC
401S 2ND ST
EVERETT, MA 02149
(617) 389-8880

PLACE STICKER HERE

EXAMINER'S STAMP HERE

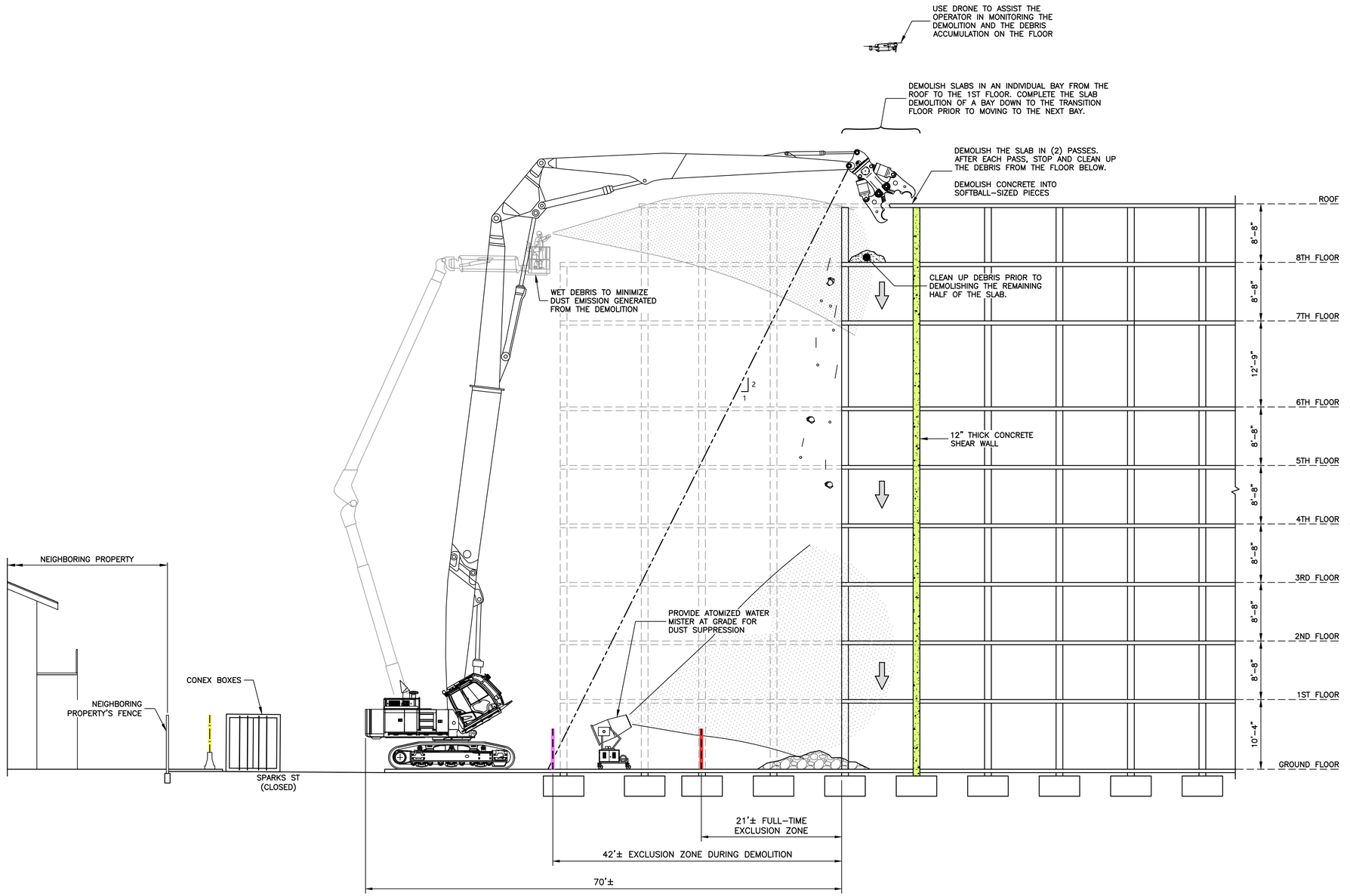
TITLE

EMERGENCY DEMOLITION
DEMOLITION SECTION 1

SEAL & SIGNATURE

COMMONWEALTH OF MASSACHUSETTS
JAMES SCHELD STRUCTURAL No. 60359 PROFESSIONAL ENGINEER
11/19/25

DRAWING BY: JS **DATE:** 11/19/2025
PROJECT NO: 25392.00.00
ENGINEER: JS
SCALE: AS NOTED
CHK BY: JS 10/22/2025
DWG NO: DM-014.00



DEMOLITION FROM EAST OR WEST WITH HIGH REACH EXCAVATOR

SCALE: 1/8" = 1'-0"

NOTES

1. IN SEQUENCES 2, 3, AND 4, IF SPACE PERMITS, THE DIRECTION OF DEMOLITION CAN BE PERFORMED IN THE EAST-WEST DIRECTION. SEE DM-026 FOR PROCEDURE.

No.	DATE	DESCRIPTION	BY

HOWARD I. SHAPIRO & ASSOCIATES
CONSULTING ENGINEERS, P.C.
266 MERRICK ROAD, SUITE 300, LYNBROOK, N.Y. 11563
TEL: (516) 791-2600 FAX: (516) 791-5425

PROJECT

EMERGENCY DEMOLITION OF 9-STORY BLDG
RIVERVIEW CONDOMINIUMS
221 MT. AUBURN ST, CAMBRIDGE, MA

CONTRACTOR

NORTHSTAR CONTRACTING GROUP, INC
401S 2ND ST
EVERETT, MA 02149
(617) 389-8880

PLACE STICKER HERE

EXAMINER'S STAMP HERE

TITLE

EMERGENCY DEMOLITION
DEMOLITION SECTION 2

SEAL & SIGNATURE

COMMONWEALTH OF MASSACHUSETTS
JAMES SCHELD STRUCTURAL No. 60359 PROFESSIONAL ENGINEER
11/19/25

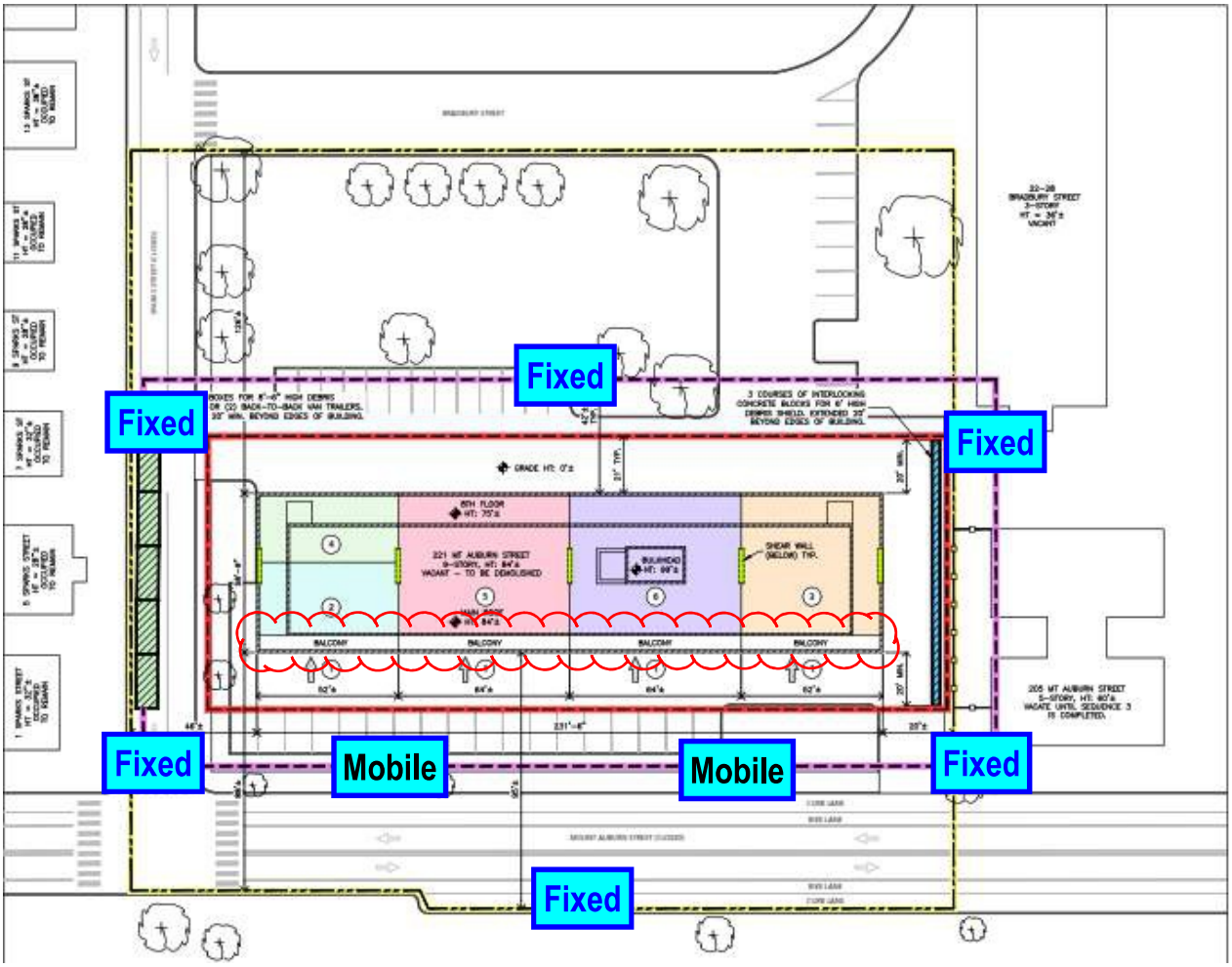
DRAWING BY: JS **DATE:** 11/19/2025
PROJECT NO: 25392.00.00
ENGINEER: JS
SCALE: AS NOTED
CHK BY: JS 10/22/2025
DWG NO: DM-015.00

ATTACHMENT F

AIRBORNE FIBER MONITORING SITE SKETCHES

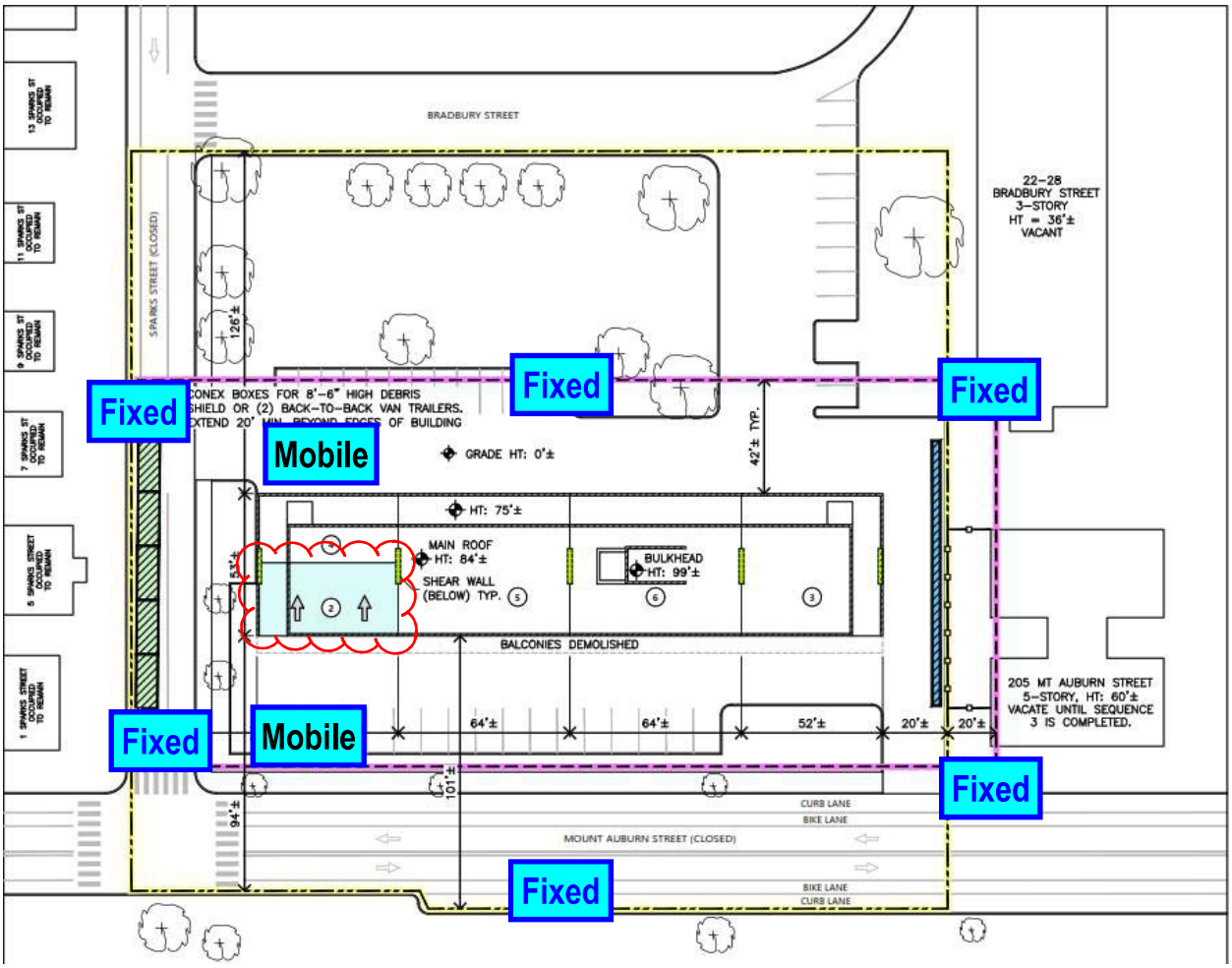
Sequence 1 – Balconies Demolition

Approximate Fixed and Mobile Airborne Fiber Monitoring



Sequence 2 – Southwest Corner Demolition

Approximate Fixed and Mobile Airborne Fiber Monitoring



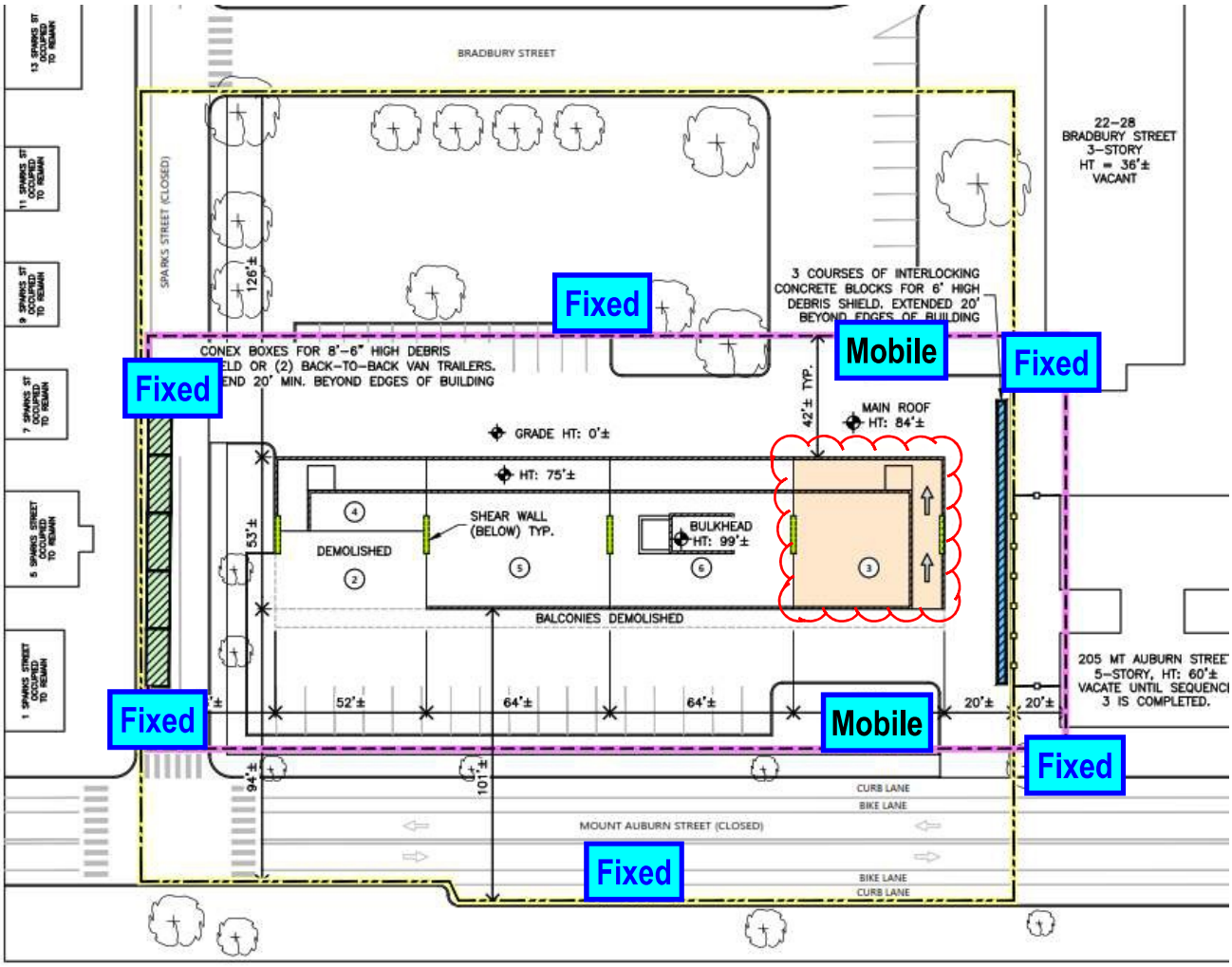
= Active Demolition Area

Fixed = Fixed Airborne Fiber Monitoring Location

Mobile = Mobile/Elevated Airborne Fiber Monitoring Location

Sequence 3 – East End Demolition

Approximate Fixed and Mobile Airborne Fiber Monitoring Locations



SEQUENCE 3 DEMOLITION

SCALE: 1" = 30'-0"

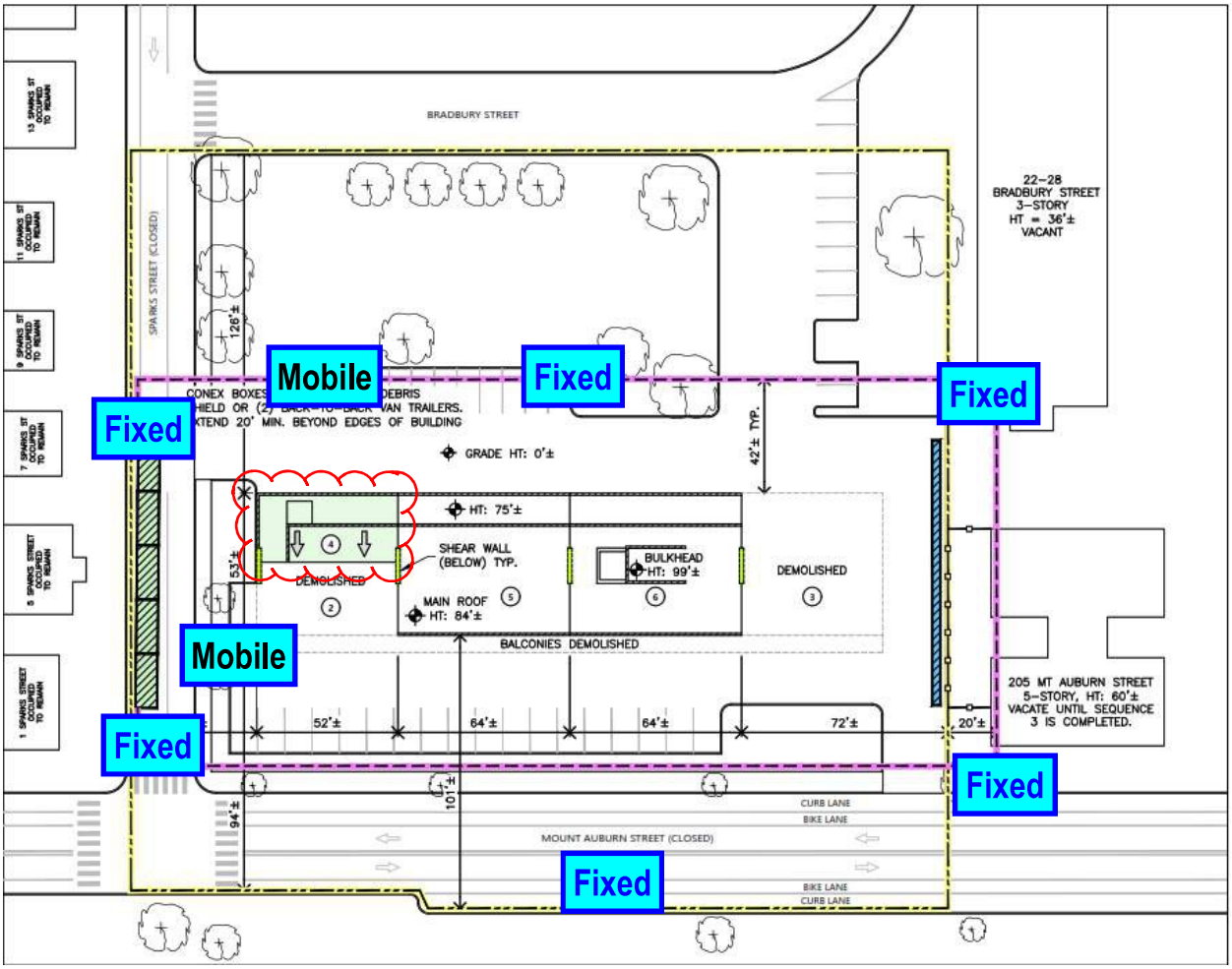
= Active Demolition Area

Fixed = Fixed Airborne Fiber Monitoring Location

Mobile = Mobile/Elevated Airborne Fiber Monitoring Location

Sequence 4 - Northwest Corner Demolition

Approximate Fixed and Mobile Airborne Fiber Monitoring Locations



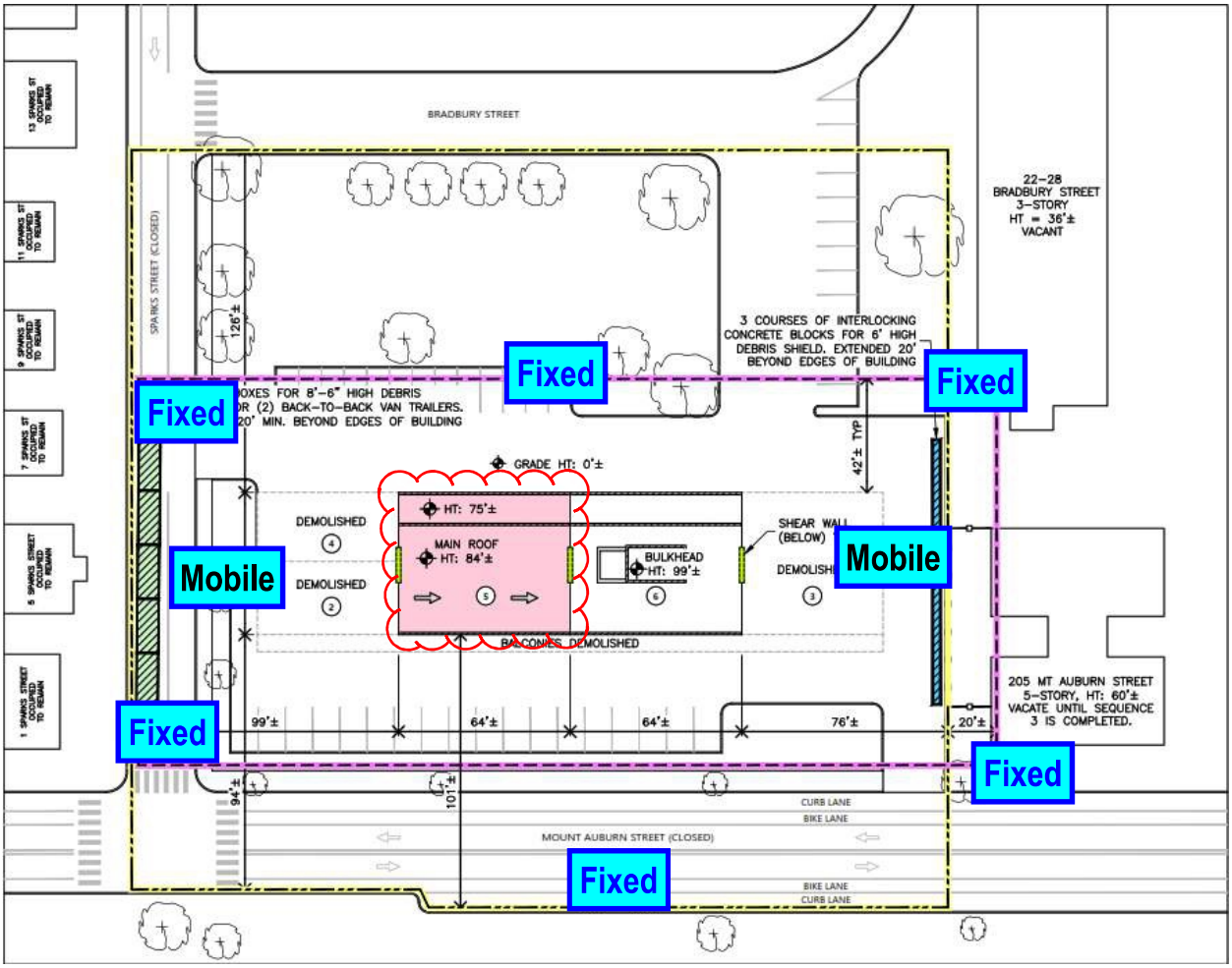
= Active Demolition Area

Fixed = Fixed Airborne Fiber Monitoring Location

Mobile = Mobile/Elevated Airborne Fiber Monitoring Location

Sequence 5 – Core West Side Demolition

Approximate Fixed and Mobile Airborne Fiber Monitoring Locations



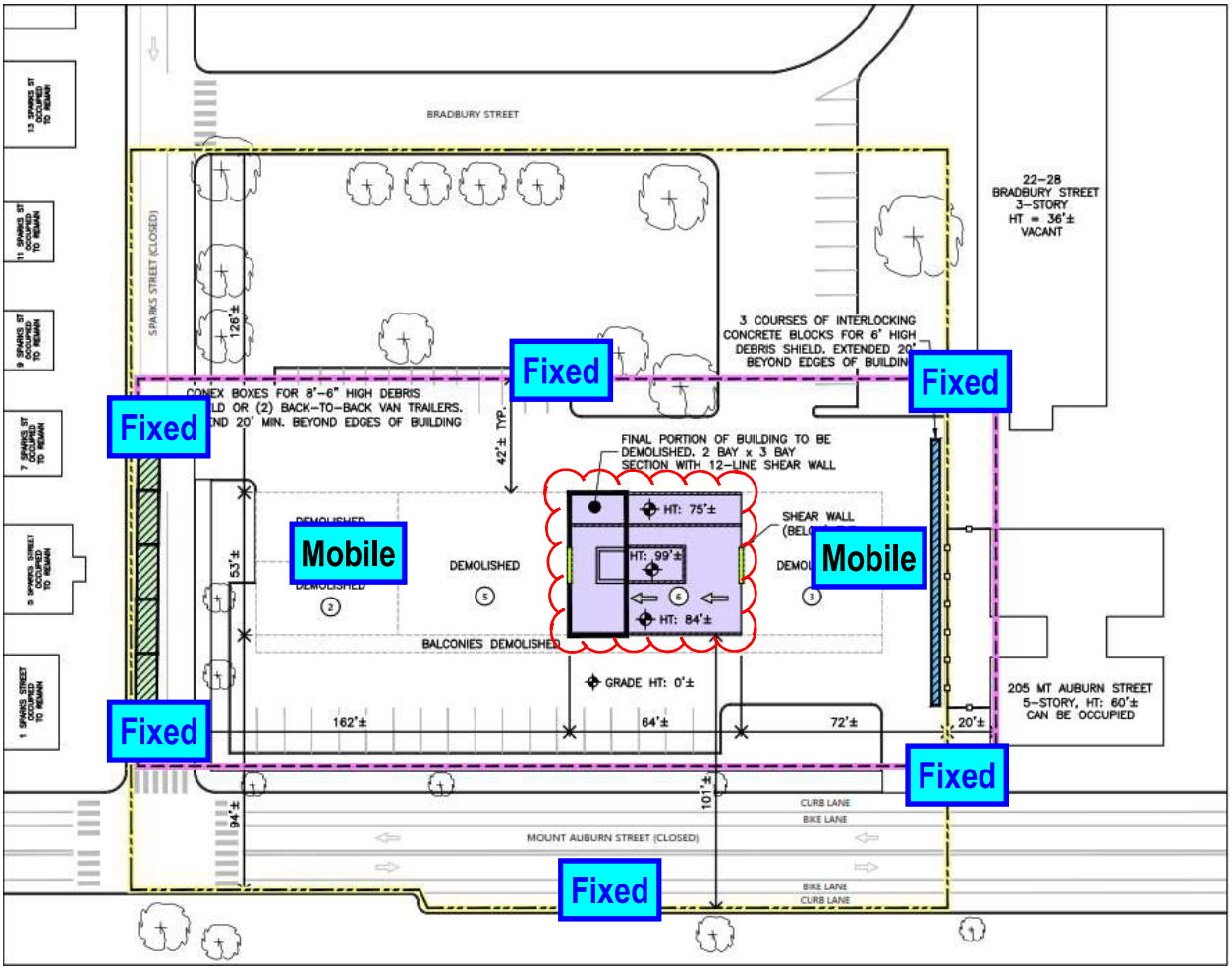
= Active Demolition Area

Fixed = Fixed Airborne Fiber Monitoring Location

Mobile = Mobile/Elevated Airborne Fiber Monitoring Location

Sequence 6 – Core East Side Demolition

Approximate Fixed and Mobile Airborne Fiber Monitoring Locations



= Active Demolition Area

Fixed = Fixed Airborne Fiber Monitoring Location

Mobile = Mobile/Elevated Airborne Fiber Monitoring Location

ATTACHMENT G

PROJECT TEAM POINT OF CONTACT LIST

Project Team Point of Contact List

Role	Organization	Contact(s)	Email	Mobile
Owner	Riverview-in-Cambridge Condominium Trust c/o Proskauer One International Place Boston, MA 02110	Keith R. Barnett, Partner	kbarnett@proskauer.com	617.523.9830
Applicant	City of Cambridge 795 Massachusetts Avenue Cambridge, MA 02139	Brendon Roy, Director of Capital Building Projects Department	broy@cambridgema.gov	857-998-7312
		Monique Oliveira, Director of Construction,	moliveira@cambridgema.gov	617-831-5803
		John Logiudice, Assistant Project Manager	jlogiudice@cambridgema.gov	617-571-3411
		Katherine Watkins, Deputy City Manager	kwatkins@cambridgema.gov	617-581-2268
		Kristen Kelleher, Community Relations Manager	kkelleher@cambridgema.gov	978-995-3801
		Sam Lipson, Senior Director of Environmental Health	slipson@cambridgepublichealth.org	617-429-8013
Structural Consultant	Simpson Gumpertz & Heger 800 Boylston Street, Suite 2320 Boston, MA 02199	Linda M. Seymour, Ph.D., Project Consultant	lmseymour@sgh.com	617.678.7179
Asbestos Consultant	TRC Environmental Corporation (TRC) 300 Wildwood Avenue Woburn, MA 01801	Glenn Potter, SIH MA Group Leader Kevin Craig, Senior Project Manager	gpotter@trccompanies.com kcraig@trccompanies.com	781.706.7317 781.706.7324
General Contractor	Consigli Construction Company 313 Congress Street Boston, MA 02210	Casey Wilcox, Project Manager	cwilcox@consigli.com	774.737.6098
Demolition / Asbestos Contractor	NorthStar Contracting Group, Inc. (NorthStar) 401 S Second Street Everett, MA 02149	Jake Versaci, Project Manager	Jversaci@northstar.com	516.790.2878
Regulatory	MassDEP	Grady Dante, Asbestos Section Chief	grady.dante@mass.gov	617.921.1152
		John MacAuley, Deputy Regional Director	john.macauley@mass.gov	978.815.0423
		Eric Worrall, Regional Director	eric.worrall@mass.gov	617.797.3757