

SECTION 028700 – REMOVAL AND DISPOSAL OF UNIVERSAL WASTE AND FLUORESCENT LAMPS

PART 1 GENERAL

A. Description Of Work

1. This specification covers the removal and disposal of Universal waste, including fluorescent lamps, high-intensity discharge (HID) lamps, mercury thermostats and switches, batteries, and pesticides (not PCB lighting ballasts). Removed or replaced mercury thermostats shall be recycled as per current NYS DEC regulations, instead of disposal as Universal Waste. Demolition and removal of materials shall be as required to support the work.

B. Submittals

1. Before Start of Work: Submit the following to the Owner's Representative for review. Do not start work until these submittals are returned with Owner's Representative's approval.
 - a. Copy of State or local license for hazardous waste hauler;
 - b. Certification of at least one on-site supervisor which has satisfactorily completed the OSHA 40 Hour Health and Safety Course for Handling Hazardous Materials;
 - c. Certificates of workers which have successfully completed at least the OSHA 40-Hour Health and Safety Course for Hazardous Materials;
 - d. Certificates of workers which have successfully completed the required employee training for universal waste or appropriate type of training to the type of wastes being managed;
 - e. Schedule of start and finish times and dates for this work;
 - f. Name and address of the universal waste handler or a destination facility where the waste materials is to be treated, deposited or recycled in accordance with all regulatory requirements (include contact person and telephone numbers), if the universal waste meets the definition of hazardous waste, the name and address of the hazardous waste treatment, storage and disposal (TSD) facility, the name and address of the mercury thermostat recycling collection site;
 - g. Material Safety Data Sheets for all materials requiring removal;
 - h. If Contractor introduces any chemical into the work environmental, a MSDS for that chemical is required before use;
 - i. Contingency Plan for handling emergency spills or leaks;
 - j. Provide a copy of the NYS DEC Part 364 Waste Transporter permit for Universal Waste Transporters that transport more than 500 pounds of universal waste in a single shipment since they must be a permitted waste transporter;
 - k. Large Quantity Handlers of universal waste must provide documentation of notification to the EPA and/or the appropriate local government agency in advance of its intentions to transport the waste and receive from the facility or provide an EPA identification number prior to exceeding 5,000 kilograms of waste on-site;
 - l. Provide a record of all universal waste shipments received and sent offsite from the project.

C. Definitions

1. Large Quantity Handler (LQH) of Universal Waste shall be a waste handler who accumulates 5,000 kilograms or more of universal waste (batteries, pesticides, thermostats, or lamps, calculated collectively) at any time. This designation as a large quantity handler

of universal waste is retained through the end of the calendar year in which 5,000 kilograms (11,000 pounds) or more total of universal waste is accumulated. The LQH shall notify the EPA, acquire or co-ordinate with a facility regarding an EPA identification number, and provide records for each shipment. The LQH shall ensure all employees are thoroughly familiar with proper waste handling and emergency procedures, relative to their responsibilities during normal facility operations and emergencies.

2. Small Quantity Handler of Universal Waste (SQH) shall be a waste handler who does not accumulate 5,000 kilograms (11,000 pounds) or more of total universal waste (batteries, pesticides, thermostats, or lamps, calculated collectively) at any time.
3. Destination Facility shall be a facility that legitimately and can legally accept universal waste from offsite so that the universal waste can be treated, disposed, or recycled in accordance with the regulatory requirements.
4. Universal Waste Transporter shall be anyone who transports universal waste. In New York, universal waste transporters that transport greater than 500 pounds of universal waste in a single shipment must be a permitted hazardous waste transporter pursuant to Federal and State regulations. Proper notification with the receiving handler agreeing to receive the shipment is required by the Universal Waste Transporter.
5. Universal Waste consists of the following discarded materials, as identified in 6 NYCRR 374-3: Fluorescent light bulbs high-intensity discharge (HID) lamps, mercury thermostats and switches, batteries, and pesticides. Removed or replaced mercury thermostats must be delivered to a designated mercury thermostat collection site as per current NYC DEC regulations. Disposal of mercury thermostats in a solid waste management facility is prohibited. PCB ballasts/capacitors from light fixtures shall not be treated as universal waste, they shall be handled and disposed of as hazardous waste. See the Hazardous Waste Disposal Specification for these wastes.

PART 2 PRODUCTS

A. Materials

1. Polyethylene Sheet: A single polyethylene film in the largest sheet size possible to minimize seams, 6.0 mil thick, clear, frosted, or black.
2. Duct Tape: Provide duct tape in 3" widths, with an adhesive which is formulated to stick aggressively to sheet polyethylene.
3. Spray Cement: Provide spray adhesive in aerosol cans which is specifically formulated to stick tenaciously to sheet polyethylene.
4. Disposal Bags: Provide 6 mil thick leak-tight polyethylene bags.
5. Labels: As required by the EPA and OSHA for handling, transportation, and disposal of hazardous waste.
6. Drums: Recovery or salvage drums acceptable for disposal of hazardous waste. Prior approval of drums is required. Drums or containers must meet the required OSHA EPA (40 CFR Parts 264.265 and 300), and DOT regulations (49 CFR Parts 171-178). Use of damaged drums will not be allowed.

PART 3 EXECUTION

A. Universal Waste

1. Employee training shall ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relative to their responsibilities during normal operations and emergencies and to the type of waste they are handling.

2. Mercury thermostats shall be segregated from other Universal Wastes to allow for required recycling.
3. Once the properly labeled containers holding the universal waste have been filled and sealed, they shall be stored in designated accumulation areas as agreed upon by the Owners Representative and Contractor. They shall not be allowed to store in transportation vehicles, or onsite for more than one year from when the waste has been generated.
4. Documentation when a universal waste in storage was first accumulated shall be provided. This is to be done by dating and labeling the waste with the date of the earliest accumulation that can document the length of time the universal waste has been accumulated.
5. Maintenance of an inventory system on-site that identifies the earliest date that any universal waste in a group of universal waste items or a group of containers of universal waste became a waste was received.
6. Any waste developed from the work that exhibits one or more characteristics of hazardous waste, that are not specifically identified by EPA and DEC as Universal Waste, must be handled accordingly and not as a universal waste. See the Hazardous Waste Disposal Specification for those wastes.

B. Off-Site Shipment of Universal Waste

1. Off-Site shipments shall meet the requirements for offsite shipments and is prohibited from sending or taking universal waste to a place other than a designated universal waste handler or a universal waste destination facility.
2. LQH's of universal waste must notify EPA in writing and develop an EPA identification number or co-ordinate with the facility regarding use of their EPA identification number, prior to exceeding 5,000 kilograms of universal waste onsite.
3. SQH's do not need to notify EPA, receive an EPA identification number or keep records of shipments of universal waste.
4. LQH's must keep a record of all universal waste shipments received or sent offsite, and must retain those records for at least three years from the date of receipt or shipment. Records may include invoices, manifests, logs, bills or lading, or other shipping documents.
5. The Contractor shall provide certified copies of all receipts obtained from designated mercury thermostat recycling collection sites within 30 days of thermostat acceptance by collection site.
6. The Contractor shall furnish all certified copies of manifests (interim storage and final disposal) within regulatory requirements. Within 30 days from acceptance of the waste by the disposal facility, the Contractor shall provide the Owner with Certificate of Disposal documents, as a requirement for final payment.

END OF SECTION 028700

SECTION 020800 – ASBESTOS REMOVAL

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. Work of this Section shall be performed in accordance with the requirements of the Contract Documents, including but not limited to Instructions to Bidders, Agreement and General Conditions and General Requirements.
- B. This Section references procedures for the removal of existing asbestos-containing materials (ACM) that will be disturbed or are disturbed during construction of this project.
- C. Furnish all labor, materials, supervision, construction tools and equipment necessary to remove and dispose of **all asbestos-containing materials** disturbed during construction.
- D. An inspection report titled “Limited Pre-Renovation Regulated Building Materials Inspection”, dated January 6, 2025, drafted by LaBella Associates D.P.C., documenting the presence of known regulated building materials, including ACM, is attached to Section 003126 - Existing Hazardous Material Information. The report incorporates and includes all testing data obtained for the site, based on project scope and materials reported to be disturbed by planned renovations. See the report for detailed descriptions of the types of ACM identified and the locations.
- E. Samples of the following material were collected at the Site per the Limited Pre-Renovation Regulated Building Materials Inspection and identified as containing asbestos:

Unit 29

- 1. White Joint Compound throughout the gypsum board systems of the unit
- 2. Gray Floor Mastic
- 3. Tan Caulk

Unit 31

- 1. White Joint Compound throughout the gypsum board systems of the unit
- 2. Gray Floor Mastic

- F. The Contractor shall be aware of all conditions of the Project and is responsible for verifying quantities and locations of all Work to be performed referenced in the Contract Documents. Failure to do so shall not relieve the Contractor of its obligation to furnish all labor and materials necessary to perform the Work.
- G. Removal or disturbance of ACM shall be completed in compliance with all governing regulations, including Code Rule 56. Any Contractor, other than the asbestos abatement contractor, who requires the removal or disturbance of asbestos-containing material (ACM) to complete his work shall obtain the services of a certified asbestos abatement contractor to remove the ACM in compliance with this specification and all applicable rules and regulations.
- H. The Owner’s Representative shall approve the asbestos abatement contractor prior to the beginning of the work.
- I. Working hours shall be as required and approved by the Owner. The Contractor shall coordinate and schedule all Work with the facility and Owner’s representative.

- J. Locations and quantities of all materials to be removed by the abatement contractor must be field verified. Information given on drawings and in the specifications is for general orientation and information only.
- K. The contractor shall have at least one supervisor on the job site at all times who can read and write and is fluent in English, while the project is in progress. The supervisor must be able to communicate fluently with all employees.
- L. Contractor shall provide temporary protection to keep the work areas enclosed, where required, during the performance of the Contract Work. The Contractor shall be responsible for any damage caused as a result of improper temporary protection.
- M. The Contractor is responsible for keeping the work area in a clean and safe condition at all times.
- N. Contractor is to coordinate with other trades on the job concerning scheduling, phasing, etc.

1.2 SPECIAL CONDITIONS

- A. Any special job conditions, including variances obtained by the Owner, are described below.
 - No Variance Petitions have been submitted to date
- B. Abatement may occur in portions of the site where immediately adjacent floors or areas are occupied. The Contractor shall carefully observe regulatory requirements for the isolation of abatement work areas and appropriate notifications to occupants and signage at project area boundaries.

1.3 CODES AND REGULATIONS

- A. General Applicability of Codes and Regulations and Standards: Except to the extent that more explicit or more stringent requirements are written directly into the Contract Documents, all applicable codes, regulations and standards have the same force and effect (and are made a part of the Contract Documents by reference) as if copied directly into the Contract Documents, or as if published copies are bound herewith.
- B. Contractor Responsibility: The Contractor shall assume full responsibility and liability for the compliance with all applicable Federal, State and local regulations pertaining to work practices, hauling, disposal, and protection of workers, visitors to the site and persons occupying areas adjacent to the site. The Contractor is responsible for providing medical examinations and maintaining medical records of personnel as required by the applicable Federal, State and local regulations. The contractor shall hold the Owner and Owner's Representative harmless for failure to comply with any applicable work, hauling, disposal, safety, health or other regulation on the part of himself, his employees or his subcontractors.
- C. Federal Requirements which govern asbestos abatement work or hauling and disposal of asbestos waste materials include but are not limited to the following:

OSHA: U.S. Department of Labor, Occupational Safety and Health Administration (OSHA), including but not limited to:

Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite; Final
Rules Title 29, Part 1926, Section 1101 of the Code of Federal Regulations

Respiratory Protection
Title 29, Part 1910, Section 134 of the Code of Federal Regulations

Access to Employee Exposure and Medical Records
Title 29, Part 1910, Section 2 of the Code of Federal Regulations

Hazard Communication
Title 29, Part 1910, Section 1200 of the Code of Federal Regulations

DOT: U.S. Department of Transportation, including but not limited to:

Hazardous Substances
Title 29, Part 171 and 172 of the Code of Federal Regulations

EPA: U.S. Environmental Protection Agency (EPA), including but not limited to:

National Emission Standard for Hazardous Air Pollutants (NESHAPS)
National Emission Standard for Asbestos
Title 40, Part 61, Subpart A, and revised Subpart M (Revised Subpart B) of the Code of
Federal Regulations dated November 20, 1990

- D. State Requirements which govern asbestos abatement work or hauling and disposal of asbestos waste materials include but are not limited to the following:

New York State Department of Labor (NYSDOL) 12 NYCCR Part 56, as amended March 21, 2007. Also known as Industrial Code Rule 56 (ICR 56).

New York State Department of Environmental Conservation (DEC) Regulations regarding waste collector registration Title 6, Part 364 of the New York State Official compilation of Codes, Rules and Regulations. An annual "Industrial Waste Hauler Permit" specifically for asbestos-containing materials is required for transportation of asbestos-containing waste to the disposal site.

- E. Local Requirements: Abide by all local requirements which govern asbestos abatement work or hauling and disposal of asbestos waste materials.

1.4 SUBMITTALS

- A. Prior to commencement of any work (minimum of seven days prior to starting work) involving the disturbance of ACM, the Contractor shall submit the following to the Owner's Representative for review and approval:
1. Copy of current NYSDOL Asbestos Contractor's License (DOH-432)
 2. Copies of current worker's Asbestos Handler's Certificates
 3. Provide a statement signed by an authorized representative of the company stating that the Building Occupants/Other Trades notification required by ICR 56 will be or has been posted

- at least 10 days prior to the start of abatement. Provide a copy of the notification that will be posted at the job site
4. Copies of all proposed site-specific variances
 5. Copy of current insurance certificate held by the Asbestos Contractor that names the Rochester Housing Authority as an additional insured and provides the following coverages: 1) Pollution liability in a general aggregate of \$2,000,000; and 2) General Liability with \$1,000,000/\$2,000,000 for each occurrence/general aggregate; and 3) Workers Compensation
 6. Copies of Project Notifications and proof of submittal (e.g., certified mail receipt) to NYSDOL and USEPA
 7. Copy of NYSDEC permit for waste hauler
 8. Name and address of landfill where asbestos-containing waste materials are to be buried. Include contact person and telephone number, and NYSDEC Part 360 permit number or other applicable permits
 9. Site-specific work plan in accordance with Section 1.5 D
 10. On a weekly basis, submit copies of all waste shipment records and disposal site receipts to the Owner
- B. During the project, legible copies of the following items must be submitted to the Owner's Representative (LaBella Associates, D.P.C.). If personnel records are not available at this time, workers will not be able to work on-site until copies are provided:
1. NYSDOL Asbestos Handling Certificates (DOH 442) for all persons employed on the project
 2. Project Logbook entries
 3. Any and all changes to the Contract, should any occur
 4. Personal sampling results within 24 hours of sampling
- C. Upon completion of the project, legible copies of the following items must be submitted to the Owner's Representative (LaBella Associates, D.P.C.):
1. Waste manifests, shipment records, and landfill receipts signed by the landfill operator submitted within 30 days after the waste leaves the site. A percentage of the final payment will be withheld until the Owner or Owner's Representative receives the waste shipment record.

1.5 QUALITY ASSURANCE

- A. Comply with the most recent edition of compilation of Codes, Rules and Regulations of the State of New York (Statutory Authority: Labor Law Section 906), including Rule 56 of Title 12 NYCRR, New York State, Department of labor, most currently amended (hereinafter referred to in this Specification as Code Rule 56). Note: Article 30 of the Labor Law sets forth procedures and standards that must be met by parties who desire to obtain variations of any of the requirements of this rule.
- B. Comply with all current and appropriate Federal, State and Local rules and regulations regarding work of this section, including those of the following agencies:
- New York State Uniform Fire Prevention and Building Code
 - New York State Department of Labor

- New York State Department of Environmental Conservation (DEC)
 - Occupational Safety and Health Administration (OSHA)
 - United States Environmental Protection Agency (EPA)
- C. Pre-Work Conference: Before the work of this section is scheduled to commence, a conference may be held at the site for the purpose of reviewing the Contract Documents, discussing requirements for the work and reviewing the work procedures. The conference shall be attended by the asbestos abatement contractor.
- D. Work Plan: The Contractor shall prepare a detailed work plan and submit the plan no later than one week prior to the start of the abatement project. The work plan shall include, but not be limited to:
1. A preliminary schedule for completion of the work:
 - a. Show the complete sequence of abatement activities and the sequencing of Work within each building or building section.
 - b. Show the dates for the beginning and completion of each major element of Work including substantial completion dates for each Work Area, building, or phase.
 2. Work procedures that will be utilized (including anticipated decon and negative air exhaust locations).
 3. Estimated crew size.
 4. The anticipated work hours.
 5. Emergency procedures for fire and medical emergencies and for failure of containment barriers.
 6. Project Notifications: As required by Federal and State regulatory agencies together with proof of transmittal (i.e., certified mail return receipt).
 7. Building Occupant Notification: As required by regulatory agencies.
 8. Abatement Work Plan: Provide plans that clearly indicate the following:
 - a. All Work Areas/containments numbered sequentially.
 - b. Locations and types of all decontamination enclosures.
 - c. Entrances and exits to each Work Areas/containments.
 - d. Type of abatement activity/technique for each Work Area/containment.
 - e. Number and location of negative air units and exhaust. Also provide calculations for determining number of negative air pressure units.
 - f. Proposed location and construction of storage facilities and field office.
 - g. Location of water and electrical connections to building services.
 - h. Waste transport routes through the building to the waste storage container.
 9. Disposal Site/Landfill Permit from applicable regulatory agency.
 10. NYS Department of Environmental Conservation Waste Transporter Permit.
- E. Progress Meetings: The Owner's Representative will hold general progress meetings as required. A representative of the Contractor and the Owner is to be properly represented at each meeting.
- F. Daily Log: The Contractor is to maintain within the Decontamination Unit a daily log documenting the dates and time of, but not limited to, the following items:
1. Meetings; purpose, attendees, brief discussion
 2. Visitations; authorized and unauthorized
 3. Special or unusual events, i.e. barrier breeching, equipment failures, accidents
 4. Air monitoring tests and test results.
 5. Other entries as detailed in Code Rule 56-7.3 Asbestos Contractor Daily Project Log.

Submit three (3) copies of this log at final closeout of the Project as a Project closeout submittal.

G. Project Monitor: The Project Monitor shall be a representative of the Owner during the asbestos abatement portion of the project. The Project Monitor has the following responsibilities:

1. The Project Monitor shall oversee work practices and inspect for compliance with all applicable regulations and standards, and the Contract Documents.
2. The Project Monitor shall have at all times access to the work areas whenever it is in preparation or in progress. The Contractor shall provide the Project Monitor with keys to all locks located on the entrance(s) to the decontamination unit(s) and all other secured areas.
3. The Project Monitor, in conjunction with the Owner, will be the interpreter of the requirements of the Contract Documents and the judge of the performance thereunder.
4. The Project Monitor and/or the Owner will have the authority to reject work which is not in compliance with the requirements of the Contract Documents or Federal, State, or Local Regulations. The decision of the Owner will be final.

H. Air Sampling and Analysis

1. Area Air Sampling and Analysis

- a. The Owner will be responsible for hiring an independent third party firm to perform the required area air sampling and analysis in accordance with ICR 56.
- b. The Contractor is required to ensure cooperation of its personnel with the Air Sampling Technician (AST) for general air sampling, and testing of each work area after completion of asbestos work prior to removal of containment barriers.
- c. All air samples shall be analyzed using Phase Contrast Microscopy (PCM) in accordance with NIOSH method 7400.

2. Personal Air Sampling:

- a. As per the requirements of OSHA 1926.1101, the Contractor shall be required to perform personal air monitoring in order to determine that appropriate respiratory protection is being utilized.
- b. The analysis of personal air samples shall be conducted by an ELAP approved laboratory, subject to approval of the Owner or the Owner's Representative.
- c. Results of personnel air sample analyses shall be available, verbally, within twenty-four (24) hours of sampling and shall be posted at the work site within 48 hours. Results shall be submitted in accordance with the requirements of Section 1.5 F.

3. Final Clearance Air Sampling:

- a. For Code Rule 56 PCM Analysis: When required, the clearance air monitoring results shall be considered satisfactory when every sample demonstrates an airborne concentration of asbestos fibers of less than 0.01 fibers per cubic centimeter, or the background level, whichever is greater.
- b. The Contractor shall pay for all additional costs incurred by the Owner, including additional air monitoring, project monitoring, engineering fees, and sample analysis required if clearance air monitoring fails, or if completion of abatement work is not in accordance with approved progress schedule.

1.6 GENERAL PROCEDURES

- A. General Requirements - Comply with Code Rule 56's procedures for entry, exit, logging in, showering, personal protective equipment, tools, clothing, etc., throughout the asbestos abatement. Respiratory equipment shall be as required by OSHA and air monitoring results. (Except for authorized visitors as required by Rule 56). Non-certified workers will not be allowed in the work area.
- B. Equipment and Waste Container Decontamination and Removal – Code Rule 56's procedures for large projects (cleaning, recontainerization, holding areas, etc.) shall be followed.

PART 2 - PRODUCTS

2.1 MATERIALS AND EQUIPMENT

- A. General Requirements: Code Rule 56's requirements for materials and equipment shall apply.
- B. Miscellaneous protective materials - Provide plywood sheathing, hardboard, etc., as required to provide protective cover over surfaces of existing construction and finishes to eliminate damage resulting from work of this section, including impact and water damage. Poly shall comply with Code Rule-56 including fire retardant requirements.
- C. Water and electricity shall be furnished by Owner without charge. Contractor shall provide an in-line backflow preventer at water source, and utilize non-leaking hoses.
- D. The Contractor shall supply the Project Monitor and Air Monitor with sufficient electricity to operate all high-volume air monitoring pumps as may be required during the project.

PART 3 - EXECUTION

3.1 REMOVAL REQUIREMENTS

- A. Perform work under this contract in accordance with the standards referenced in Part 1 of this Section. The provisions of any site-specific variances to Code Rule 56, or other asbestos standards, obtained for this project may not be implemented until approval is given by the Owner or Owner's Representative.
- B. Work that results in the disturbance of asbestos-containing materials shall be performed by a licensed asbestos abatement contractor who employs certified workers in accordance with all applicable standards referenced herein. If additional suspect ACM is discovered during the course of abatement, the Contractor shall notify the Owner or Owner's Representative immediately.
- C. The Contractor shall protect all items/existing construction intended to remain.

- D. Should the area beyond the asbestos work area(s) become contaminated with asbestos-containing dust or debris as a consequence of the work, immediately institute emergency procedures established for asbestos removal. All costs incurred in decontaminating such non-work areas shall be borne by the Contractor at no additional cost to the Owner.

3.2 WORK AREA PREPARATION

- A. General Requirements: Code Rule 56's requirements for general work area preparation shall apply, including vacating, signs, power, timing, HVAC isolation, isolation barriers, objects, exits, toilets, etc.

3.3 PERSONAL AND WASTE DECONTAMINATION ENCLOSURE SYSTEMS

- A. Comply with Code Rule 56's requirements for enclosure, showers, room types and configuration, etc.

3.4 DECONTAMINATION ENCLOSURE SYSTEMS/WORK AREA BARRIERS

- A. General Requirements: Comply with Code Rule 56 requirements for maintenance of work area barriers. (Setting, inspection, repairs, cleaning, etc.)

3.5 HANDLING AND REMOVAL PROCEDURES

- A. General Requirements: Comply with Code Rule 56 requirements regarding handling and removal procedures.
- B. Dry removal or disturbance: No dry removal or disturbance of asbestos materials shall be permitted.
- C. Wetting requirements: The asbestos material shall be wetted as necessary with amended water to keep asbestos fibers from becoming airborne. If any friable material is encountered, all of its surfaces shall be saturated.
- D. The use of open flame, torches, welding and other Hot Work is not permitted without review and approval by the Owner or Owner's Representative. A Hot Work Permit system shall be required for authorized use.
- E. Cleaning of surfaces: After completion of all stripping work, surfaces where asbestos material has been removed or handled shall be HEPA vacuumed.

3.6 CLEANING PROCEDURES

- A. General requirements: Code Rule 56's requirements for containerization, dust cleanup, tools and enclosure cleanup, etc., shall apply. Cleanup shall be by HEPA vacuum.

- B. Post abatement requirements: Code Rule 56's requirements shall apply (tool/equipment cleanup, general cleanup, waste removal, clearance air monitoring, etc.).

3.7 ASBESTOS WASTE TRANSPORTATION AND DISPOSAL

- A. Contractor shall minimally transport and dispose of all of the Category I non-friable asbestos waste materials according to correct applicable NYSDEC transportation requirements, Part 364, and solid waste requirements Part 360.
- B. If any removed material is "friable", Contractor shall handle it as such and transport and dispose of as "friable" asbestos waste per regulations referenced in Part 1 of this Section.
- C. All waste generated as a result of this work shall be removed from the site within 10 days of completion and clearance of abatement work.
- D. Log disposal site transportation names, etc., per Code Rule 56.
- E. All loading, transportation, and disposal shall also comply with NESHAPS 40 CFR 61 - 150 paragraphs C, D and E including all requirements for loading signs, shipment records, content certificate, record receipts, notifications, etc.

3.8 TEMPORARY PROTECTION OF FACILITIES

- A. Contractor shall provide temporary enclosure as required to protect the existing facilities from adverse weather conditions and maintain the interior environment in its normal condition. The contractor shall maintain the building secure from intrusion at all times and exits shall be operational during construction whenever the building is occupied. Temporary door and window enclosures shall be secure, weather resistant and lockable, if operable.

3.9 RESTORATION

- A. Remove temporary decontamination facilities and restore area designated for these facilities to its original condition or better.
- B. After final clearance, the Contractor shall replace all filters of the associated portions of the existing building HVAC system that were affected by the abatement operations, remove locks and restore power. All temporary power supplies shall be disconnected, power lockouts removed and building power restored. All temporary plumbing shall be removed.
- C. Finishes damaged by asbestos removal operation including, but not limited to, plaster/paint damage due to taping of polyethylene sheeting and floor tile lifted due to humid conditions, shall be restored prior to final payment.
 - 1. Finishes unable to be restored shall be replaced under this Contract.
 - 2. All foam and expandable foam products and materials used to seal Work Area openings shall be completely removed upon completion of abatement activities.

- D. All penetrations (including, but not limited to, pipes, ducts, etc.) through fire rated construction shall be fire stopped using materials and systems tested in accordance with ASTM E814 on projects where re-insulation is part of the required work.

3.10 PROJECT COMPLETION REQUIREMENTS

- A. Submission by the Contractor to the Owner Representative of the job logbook as described in Section 1.5 paragraph F.
- B. Inspection of the work sites by the Contractor's Project Manager's representative and the Owner's Representative for substantial completion of the Scope of Work.
- C. Submission by the Contractor to the Owner of the waste disposal manifest verifying that all waste generated at the project site has been disposed of at an EPA approved waste site. A 10% payment retainage shall be withheld by the Owner until receipt of all waste manifests.

END OF SECTION 020800

SECTION 020810 - PROTECTION OF WORKERS – LEAD-CONTAINING MATERIALS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Work of this Section shall be performed in accordance with the requirements of the Contract Documents, including but not limited to Instructions to Bidders, Agreement and General Conditions.

1.2 SCOPE

- A. Contractors are alerted to the fact that representative materials were tested at the Site and the following components were identified as lead-based:
 - 1. Doors and door casings throughout the building
- B. For additional detail, refer to Section 003126 – Existing Hazardous Material Information. Testing was completed and these documents are presented with the intention to reduce, but not eliminate, uncertainty regarding the potential for hazardous materials at the Site.
- C. Lead is a toxic metal capable of causing damage to the nervous system, kidneys, bones, heart and reproductive system.
- D. Any surface coated with paint is considered to contain some percentage of lead, based on the testing information. Any alteration and/or repair that results in the disturbance of the paint coatings shall meet the requirements of OSHA CFR 29 1926.62 Construction Lead Standard.

1.3 SUBMITTALS

- A. Contractors of each trade shall submit their written Lead Program prior to the start of work. The plan must identify potential sources of lead exposure and propose specific procedures to protect workers from those exposures.

1.4 DEFINITIONS

- A. Action Level means employee exposure, without regard to the use of respirators, to an airborne concentration of lead of 30 micrograms per cubic meter of air (30 ug/m³) calculated as an 8-hour time weighted average (TWA).
- B. Exposure Assessment means a Contractor's requirement to determine if any Contractor's employees may be exposed to lead at or above the action level.
- C. Lead means metallic lead, all inorganic lead compounds, and organic lead soaps. Excluded from this definition are all other organic lead compounds.

- D. Permissible Exposure Limit (PEL) means employee exposure, without the use of respirators, to an airborne concentration of lead of 50 ug/m³ averaged over an 8-hour period.

PART 2 - PRODUCTS

None Specified.

PART 3 - EXECUTION

3.1 PROTECTION OF WORKERS

- A. All Contractors shall be responsible to conduct an exposure assessment and shall initially determine if any Contractor's employee may be exposed to lead at or above the action level where their work causes the disturbance of paint or paint coatings, or provide a negative exposure assessment for work tasks to be completed under this scope of work.

3.2 EXPOSURE ASSESSMENT

- A. The Contractor shall collect personal samples representative of a full shift including at least one sample for each job classification in each work area either for each shift or for the shift with the highest exposure.
1. Below the Action Level - should the initial personal air monitoring results be less than 30 ug/m³ the Contractor shall make a written record of such determination. Further exposure determination need not be repeated except as follows:
 - a. Whenever there has been a change of equipment, process, control, personnel, or a new task has been initiated that may result in additional employees being exposed to lead at or above the action level or may result in employees already exposed at or above the action level being exposed above the PEL, the employer shall conduct additional monitoring.
 2. At or Above the Action Level but At or Below the PEL - the Contractor shall perform monitoring until at least two consecutive measurements taken at least 7 days apart, are below the action level at which time the Contractor may discontinue monitoring for that employee except as otherwise provided in paragraph 3.2.A.1.a.
 3. Above the PEL - the Contractor shall perform monitoring until at least two consecutive measurements taken at least 7 days apart, are at or below the PEL but at or above the action level at which time the Contractor shall repeat monitoring for that Contractor's employee as specified in 3.2.A.2.
- B. The Contractor may submit a negative exposure assessment in lieu of performing exposure monitoring.

3.3 METHODS OF COMPLIANCE

- A. To the extent feasible, Contractors must reduce worker lead exposure to the Permissible Exposure Limit (PEL) of 50 ug/m³ by a combination of engineering controls, work practice, and administrative controls.
- B. Respiratory protection and other protective equipment must be provided and used to the extent that the engineering and work practice controls cannot reduce exposure to the PEL as specified within 29 CFR 1926.62.

3.4 HOUSEKEEPING (Contractor requirements whenever lead is disturbed)

- A. All surfaces shall be maintained as free as practical of accumulations of lead.
- B. Clean up of surfaces where lead accumulates wherever possible shall be cleaned by vacuuming or other methods that minimize the likelihood of lead becoming airborne.
- C. Shoveling, dry or wet sweeping and brushing may be used only where vacuuming or other equally effective methods have been tried and found not to be effective.
- D. Where vacuuming methods are selected, the vacuums shall be equipped with HEPA filters and used and emptied in a manner which minimizes the reentry of lead into the workplace.
- E. Compressed air shall not be used to remove lead from any surface unless the compressed air is used in conjunction with a ventilation system designed to capture the airborne dust created by the compressed air.

3.5 HYGIENE FACILITIES AND PRACTICES (required above the PEL)

- A. The Contractor shall assure that in areas where Contractor's employees are exposed to lead above the PEL without regard to the use of respirators, food or beverage is not present or consumed, tobacco products are not present or used, and cosmetics are not applied.
- B. Change Areas (required above the PEL and during exposure assessment)
 - 1. The Contractor shall provide clean change areas for employees whose airborne exposure to lead is above the PEL, and as interim protection for employees.
 - 2. The Contractor shall assure that change areas are equipped with separate storage facilities for protective work clothing and equipment and for street clothes which prevent cross-contamination.
 - 3. The Contractor shall assure that Contractor's employees do not leave the workplace wearing any protective clothing or equipment that is required to be worn during the work shift.
- C. Showers (required above the PEL)

1. The Contractor shall provide shower facilities, where feasible, for use by Contractor's employees whose airborne exposure to lead is above the PEL.
2. The Contractor shall assure where shower facilities are available, that Contractor's employees shower at the end of the work shift and shall provide an adequate supply of cleansing agents and towels for use by affected Contractor's employees.

D. Eating Facilities (required above the PEL)

1. The Contractor shall provide lunchroom facilities or eating areas for Contractor's employees whose airborne exposure to lead is above the PEL, without regard to the use of respirators.
2. The Contractor shall assure that lunchroom facilities or eating areas are as free as practicable from lead contamination and are readily accessible to Contractor's employees.
3. The Contractor shall assure that Contractor's employees whose airborne exposure to lead is above the PEL, without regard to the use of a respirator, wash their hands and face prior to eating, drinking, smoking or applying cosmetics.
4. The Contractor shall assure that Contractor's employees do not enter lunchroom facilities or eating areas with protective work clothing or equipment unless surface lead dust has been removed by vacuuming, downdraft booth, or other cleaning method that limits dispersion of lead dust.

E. Handwashing Facilities (required whenever lead is disturbed)

1. The Contractor shall provide adequate handwashing facilities for use by Contractor's employees exposed to lead.
2. Where showers are not provided the Contractor shall assure that Contractor's employees wash their hands and face at the end of the work shift.

3.6 MEDICAL SURVEILLANCE (required whenever lead is disturbed)

- A. The Contractor is responsible for providing medical examinations and maintaining medical records of personnel as required by 29 CFR 1926.62 (j) Medical Surveillance.

3.7 TRAINING (required whenever lead is disturbed)

- A. For all Contractor's employees who are subject to exposure to lead at or above the action level on any day or who are subject to exposure to lead compounds which may cause skin or eye irritation, the Contractor shall provide a training program in accordance with 29 CFR 1926.62 (l)(2).

3.8 SIGNS (required above the PEL)

- A. The Contractor shall post the following warning signs in each work area where Contractor's employees exposure to lead is above the PEL.

WARNING
LEAD WORK AREA
POISON
NO SMOKING OR EATING

- B. The Contractor shall assure that signs are illuminated and cleaned as necessary so that the legend is readily visible.

3.9 RECORDKEEPING (required whenever lead is disturbed)

The Contractor is responsible to establish and maintain an accurate record of all monitoring and other data used in conducting Contractor's employee exposure assessments and for each Contractor's employee subject to medical surveillance as required per 29 CFR 1926.62 (n).

3.10 OBSERVATION OF MONITORING (required whenever lead is disturbed)

- A. The Contractor shall provide affected Contractor's employees or their designated representatives an opportunity to observe any monitoring of employee exposure to lead.
- B. Whenever observation of the monitoring of employee exposure to lead requires entry into an area where the use of respirators, protective clothing or equipment is required, the Contractor shall provide the observer with and assure the use of such respirators, clothing and equipment.
- C. Without interfering with the monitoring, observers shall be entitled to:
 - 1. Receive an explanation of the measurement procedures;
 - 2. Observe all steps related to the monitoring of lead performed at the place of exposure; and
 - 3. Record the results obtained or receive copies of the results when returned by the laboratory.

END OF SECTION 020810

SECTION 003126 – EXISTING HAZARDOUS MATERIALS INFORMATION

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

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

Existing Hazardous Materials reports are included as attachments at the end of this section and are hereby incorporated into the Procurement and Contracting Requirements by reference.

A copy of LaBella Associates, D.P.C., "Limited Pre-Renovation Regulated Building Materials Inspection" report dated January 6, 2025, is bound in this Project Manual (Attachment A).

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 003126



ATTACHMENT A:
LIMITED PRE-RENOVATION
REGULATED BUILDING MATERIALS
INSPECTION REPORT -
JANUARY 6, 2025

Limited Pre-Renovation Regulated Building Materials Inspection

Location:

Units 29 & 31
Bronson Court Apartments
Rochester, New York 14608

Prepared for:

Rochester Housing Authority
675 West Main Street
Rochester, New York 14611

LaBella Project No.

2243994

January 6, 2025



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Appendices

Asbestos Bulk Sample Summary Table

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Appendix A – Inspection Fact Sheet

FS-1

Appendix B – Sample Location Drawings

Appendix C – Inspection Photos

Appendix D – Laboratory Analytical Reports

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1.0 PROJECT DESCRIPTION

In accordance with current regulations, LaBella Associates, D.P.C. (LaBella) conducted a Limited Pre-Renovation Regulated Building Materials (RBM) Inspection in Units 29 and 31 of the Bronson Court Apartments located in Rochester, New York. The objective was to identify suspect RBMs, such as Asbestos-Containing Materials (ACM), Lead-Based Paint (LBP), PCB-containing materials and equipment, and Mercury-containing equipment (MCE) that may require abatement or removal prior to or during renovation activities due to applicable regulations.

The areas inspected were limited to the interior spaces of Units 29 and 31 that are expected to be impacted during an upcoming renovation project. Materials and locations understood to be impacted by this project were determined from information provided by Rochester Housing Authority.

2.0 INSPECTION PROCEDURES

The following procedures were used to obtain the data for this Report:

- A. Existing documentation was requested for review. Several historical reports were reviewed to develop an understanding of the previously sampled materials and confirmed ACMs present throughout the apartment complex.
- B. A visual inspection of the interior spaces of Units 29 and 31 was conducted to identify visible and accessible sources of suspect RBMs. Photographs captured during this inspection are attached in Appendix C.
- C. Bulk samples of accessible suspect materials were collected and submitted for laboratory analysis.
- D. Asbestos samples were submitted for laboratory analysis. Preliminary Polarized Light Microscopy analyses were performed by LaBella Laboratories, a NYSDOH accredited laboratory, to determine the presence and percentage of asbestos in each sample. Transmission electron microscopy analyses of NOB materials, if necessary, were performed by AMA Laboratories.
- E. Suspect painted or glazed materials were spot checked in the field using an X-Ray Fluorescence (XRF) analyzer to check for the presence of lead.
- F. Results of the laboratory analyses, field testing and the visual on-site inspection were compiled and summarized.

3.0 INSPECTION LIMITATIONS

This inspection was conducted in accordance with generally accepted environmental engineering practices for this region. Collection of bulk samples of suspect RBMs was limited to those materials readily accessible using hand tools or hand-held power tools. Homogeneous materials were identified and located based on visual observation from readily accessible points. The data derived from representative samples of any given homogeneous material represent conditions that apply only at that particular location. Inspection protocol and methodology requires that sample data be used to draw conclusions about the entire homogeneous area, but such conclusions may not necessarily apply to the general Site as a whole.

No sub-surface investigations were performed to determine the possible presence of regulated materials on or in the immediate vicinity of the Site. No record drawings of the building were available for review as part of this investigation.



LaBella makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts, or reports. No inspection can wholly eliminate the uncertainty regarding the potential for undiscovered RBMs. The Work performed by LaBella is intended to reduce, but not eliminate, uncertainty regarding the potential for RBMs at the Site. This inspection report is not intended to be a bid document for an abatement scope of work. This report is intended to satisfy the requirements of NYS Code Rule 56-5 for inspections.

4.0 INSPECTION RESULTS

4.1 Asbestos-Containing Materials (ACMs)

Based on laboratory analyses of bulk samples collected, the following materials were determined to contain greater than 1% asbestos. However, the following table does not include all of the materials sampled during this inspection; for a full list of materials sampled see the *Asbestos Bulk Sample Summary Table* immediately following this report.

| Bronson Court Apartments – Unit 29 | | | | |
|------------------------------------|--|-------------------------------|--------------|-----------|
| Type of Material | Typical Location | Estimated Amount ¹ | Friability | Condition |
| White Joint Compound | Walls and Ceilings Throughout Apartment Unit ~ See Additional Details Below ~ | 3,825 SF | Non-Friable* | Good |
| Gray Floor Mastic | Flooring ~ See Additional Details Below ~ | 800 SF | Non-Friable | Good |
| Tan Caulk | Wall Seam where CMU meets Drywall ~ See Additional Details Below ~ | 85 LF/ 2 SF | Non-Friable | Good |

*This material is considered to be non-friable in its current, intact condition. However, this material has the potential to become friable during any renovation/demolition activities that will disturb the material.

ACM Project Specific Details

Joint Compound

White asbestos-containing joint compound is located on the walls and ceilings throughout the inspected unit, including the following locations:

- Basement Stairwell
- Kitchen
- Dining Room
- Living Room
- Bedroom 1
- Bedroom 2
- Bedroom 3
- Bathroom
- Hall/Stairwell
- All Closets

Since these surfaces are painted, it is not possible to determine the exact extent and locations of the joint compound. Joint compound is typically used for both taping joints and filling nail indentations in drywall construction.

Therefore, for removal estimating purposes, it is assumed that the joint compound would be removed along with the underlying drywall, which covers an area of approximately 3,825 square feet. This estimate is based on field measurements taken at the time of the site visit.

¹ For general reference only: Estimated amounts of confirmed ACM listed above were obtained through field observations made during site visits. Quantities are approximations and LaBella assumes no responsibility if used for bidding.



Floor Mastic (Wood Parquet)

Gray asbestos-containing floor mastic is located underneath the carpeting and wood parquet flooring in the following locations:

- Living Room
- Bedroom 1
- Bedroom 2
- Bedroom 3
- Bathroom
- Hall/Stairwell

Caulk

Tan asbestos-containing caulk is located along the wall seam where the drywall wall system meets the concrete masonry unit (CMU) block wall in the following locations:

- Dining Room
- Living Room
- Bedroom 1
- Bedroom 3
- Hall/Stairwell

The caulk was observed to be in generally good condition and covers an area of approximately 85 linear feet. With a ½" bead of caulk at each location, an estimated equivalent area of 2 square feet of asbestos-containing caulk is present throughout the unit.

| <u>Bronson Court Apartments – Unit 31</u> | | | | |
|--|--|-------------------------------------|-------------------|------------------|
| Type of Material | Typical Location | Estimated Amount¹ | Friability | Condition |
| White Joint Compound | Walls and Ceilings Throughout Apartment Unit ~ See Additional Details Below ~ | 3,825 SF | Non-Friable* | Good |
| Gray Floor Mastic | Flooring ~ See Additional Details Below ~ | 800 SF | Non-Friable | Good |

*This material is considered to be non-friable in its current, intact condition. However, this material has the potential to become friable during any renovation/demolition activities that will disturb the material.

ACM Project Specific Details

Joint Compound

White asbestos-containing joint compound is located on the walls and ceilings throughout the inspected unit, including the following locations:

- Basement Stairwell
- Kitchen
- Dining Room
- Living Room
- Bedroom 1
- Bedroom 2
- Bedroom 3
- Bathroom
- Hall/Stairwell
- All Closets

Since these surfaces are painted, it is not possible to determine the exact extent and locations of the joint compound. Joint compound is typically used for both taping joints and filling nail indentations in drywall construction.

Therefore, for removal estimating purposes, it is assumed that the joint compound would be removed along with the underlying drywall, which covers an area of approximately 3,825 square feet. This estimate is based on field measurements taken at the time of the site visit.

¹ For general reference only: Estimated amounts of confirmed ACM listed above were obtained through field observations made during site visits. Quantities are approximations and LaBella assumes no responsibility if used for bidding.



Floor Mastic (Wood Parquet)

Gray asbestos-containing floor mastic is located underneath the carpeting, tile and wood parquet flooring in the following locations:

- Living Room
- Bedroom 1
- Bedroom 2
- Bedroom 3
- Bathroom
- Hall/Stairwell

4.2 PCB-Containing Materials & Equipment

Capacitors in Fluorescent Light Fixture Ballasts

Ceiling mounted fluorescent light fixtures were observed in various spaces of the inspected units. Older vintage fluorescent light fixtures manufactured prior to 1980 typically contained a capacitor filled with PCB fluid. A representative number of light fixtures were dismantled and all had ballasts labeled “No PCBs.” Based on these observations made at the time of the site visit, to the extent feasible, the ballasts within the inspection area can be considered to be non-PCB-containing.

However, if non-labeled ballasts are encountered during renovation activities, contractors shall ensure that all components are properly managed and disposed of in accordance with 40 CFR 761.

Caulking and Glazing Compounds

According to the Environmental Protection Agency (EPA), PCB-containing building materials were commonly used in buildings built or renovated between circa 1950 and 1979. Caulking and glazing compounds were often used around windows, door frames, building joints, masonry columns and other masonry building materials. PCBs from manufactured sources (caulk), may also contaminate adjoining materials, such as masonry or wood, through direct contact and create secondary sources.

As such, prior to removal, the EPA recommends testing caulk and other building materials to determine what protections are needed during removal, and to determine proper disposal requirements. Building materials (caulking, sealants, etc.) containing equal to or greater than 50 ppm PCB must be disposed of as PCB-Contaminated hazardous waste in accordance with 40 CFR part 761, subpart D.

*During the site inspection, an **insufficient** amount of suspect caulk material was observed. As such, bulk sample collection for PCB analysis was unable to be performed in conjunction with this inspection.*

4.3 Mercury-Containing Equipment (MCE)

During the inspection, six (6) fluorescent light bulbs were observed in ceiling mounted fluorescent light fixtures the inspected units. See summary of locations below.

| Location | Material Description | Quantity |
|--------------------|-------------------------|----------|
| Unit 29 – Kitchen | Fluorescent Light Bulbs | 2 |
| Unit 31 – Kitchen | Fluorescent Light Bulbs | 2 |
| Unit 31 – Bathroom | Fluorescent Light Bulbs | 2 |

These light bulbs contain varying amounts of mercury vapor. To prevent breakage and the release of mercury, bulbs should be removed and sent to a mercury recycling facility prior to any renovation activities.

No other mercury-containing equipment was identified in the inspected areas.



4.4 Lead – Based Paint

Several representative interior painted and glazed surfaces were observed and tested for the presence of lead-based paint using XRF testing procedures. In accordance with Environmental Protection Agency (EPA) protocols, **none** of the tested surfaces were determined to contain lead above the action level threshold of 1.0 mg/cm². However, additional lead-based materials may exist within the building. Therefore, Contractors shall be responsible for determining the quantity, location and condition of materials not tested during this inspection.

The units inspected for this project include spaces applicable to the requirements of EPA 40 Code of Federal Regulations (CFR) 745: Lead-Based Paint Renovation, Repair and Painting (RRP) Program Rule. The RRP Rule affects any contractor who disturbs known or presumed lead-based paint during any renovation, repair or painting projects in housing, child care facilities, and preschools built before 1978. Any contractor performing renovation work in applicable areas throughout the building must be certified, assign a “certified renovator” to each job where lead-based paint will likely be disturbed, train its renovation workers, distribute the EPA’s Renovate Right lead hazard pamphlet before starting work, and use lead safe work practices.

Additionally, lead was detected at low concentrations in a variety of building materials (i.e., walls, vinyl wall bases, door components, I-Beams) throughout the units. Renovation and demolition contractors should be informed of the presence of lead for OSHA compliance considerations.

Furthermore, disposal of construction waste composed of paint containing lead, as well as other regulated heavy metals, is subject to regulation under USEPA RCRA Hazardous Waste Management regulations (40 CFR Parts 260 through 268). As such, contractors shall be responsible for ensuring the generated waste stream is characterized and handled accordingly.

For purposes of reading this report, and understanding which wall or component in a particular space was sampled, walls were assigned the letters A, B, C, or D. The wall labeled as “A” is the address side of the building; walls B, C, and D will follow clockwise in succession.

5.0 OBSERVATIONS AND CAUTIONARY STATEMENTS

Vermiculite

Vermiculite has been used as loose insulation in attics, walls, CMU block, and as a component of plaster, fireproofing and other building materials. The NYS Department of Health considers loose-fill Vermiculite to be an asbestos-containing material, and that building materials containing Vermiculite should be treated as asbestos-containing until sent for additional analysis and proven negative in accordance with NYS DOH guidelines.

Vermiculite was **not** observed in spaces and materials inspected for this project. However, destructive investigation of wall cavities was not conducted, and therefore, the presence or extent of this material’s application throughout the building was not fully determined. Cautionary measures should be taken during construction, renovation, and demolition to ensure that proper steps are taken if Vermiculite is discovered in previously inaccessible locations. If Vermiculite is discovered, work should be stopped immediately to address the issue and prevent the uncontrolled release and distribution of an asbestos-containing material.



Potentially Hidden/Inaccessible RBMs

Although this inspection was conducted in a manner consistent with recognized professional practices, the potential does exist for additional RBMs to be located in the following inaccessible areas because of the operational constraints mentioned above:

- Inside wall and/or ceiling cavities
- Exterior of the building
- Electrical components

If materials/components associated with the above list are scheduled for renovation, it is recommended that these areas/materials be re-investigated using destructive sampling techniques, as necessary, in order to identify and sample currently hidden/inaccessible suspect RBMs that could be discovered during building renovations. Any questions or concerns regarding suspect materials should be resolved with additional testing.

Asbestos Bulk Sample Summary Table

Asbestos Bulk Sample Summary Table

Limited Pre-Renovation Regulated Building Materials Inspection
Units 29 & 31
Bronson Court Apartments
Rochester, New York 14608

Items in Bold are Confirmed ACM

| <i>Sample #</i> | <i>Type of Material</i> | <i>Sample Location</i> | <i>Results % Asbestos</i> |
|--|--|---|---------------------------------|
| <u><i>Samples Taken from Unit 29</i></u> | | | |
| BC29-1A | Gray Drywall | Basement Stairwell, Wall | None Detected |
| BC29-1B | Gray Drywall | Dining Room, Wall | None Detected |
| BC29-2A | White Joint Compound | Basement Stairwell, Wall | Chrysotile 2.4% |
| BC29-2B | White Joint Compound | Dining Room, Wall | Chrysotile 2.1% |
| BC29-2C | White Joint Compound | Living Room, Ceiling | Chrysotile 2.3% |
| BC29-2D | White Joint Compound | Bedroom 1, Wall | Chrysotile 1.9% |
| BC29-2E | White Joint Compound | Bedroom 3, Wall | Chrysotile 2.0% |
| BC29-2F | White Joint Compound | Bathroom, Ceiling | Chrysotile 1.9% |
| BC29-3A | White Cove Molding Mastic | Hall, Wall Base | None Detected |
| BC29-3B | White Cove Molding Mastic | Dining Room, Wall Base | None Detected |
| BC29-4A | Brown Cove Molding Mastic | Hall, Wall Base | None Detected |
| BC29-4B | Brown Cove Molding Mastic | Dining Room, Wall Base | None Detected |
| BC29-5A | Brown/Black Flooring | Kitchen, Floor 1 st Layer | None Detected |
| BC29-5B | Brown/Black Flooring | Dining Room, Floor 1 st Layer | None Detected |
| BC29-6A | Tan/Gray Sheet Vinyl | Kitchen, Floor 2 nd Layer | None Detected |
| BC29-6B | Tan/Gray Sheet Vinyl | Dining Room, Floor 2 nd Layer | None Detected |
| BC29-7A | Tan with Brown Streaks 12" Floor Tile | Kitchen, Floor 3 rd Layer | None Detected |
| BC29-7B | Tan with Brown Streaks 12" Floor Tile | Dining Room, Floor 3 rd Layer | None Detected |
| BC29-8A | Tan Floor Tile Mastic | Dining Room, Floor 3 rd Layer | None Detected |
| BC29-8B | Tan Floor Tile Mastic | Dining Room, Floor 3 rd Layer | None Detected |
| BC29-9A | Gray Floor Mastic | Living Room, Floor Under Carpet and Hardwood | Chrysotile 12% |
| BC29-9B | Gray Floor Mastic | Bedroom 2, Floor Under Carpet and Hardwood | Not Analyzed Duplicate of 9A |

Asbestos Bulk Sample Summary Table

Limited Pre-Renovation Regulated Building Materials Inspection
Units 29 & 31
Bronson Court Apartments
Rochester, New York 14608

Items in Bold are Confirmed ACM

| <i>Sample #</i> | <i>Type of Material</i> | <i>Sample Location</i> | <i>Results % Asbestos</i> |
|--|--|--|----------------------------------|
| BC29-10A | Tan Caulk | Hall, Where CMU Meets Drywall | Chrysotile 9% |
| BC29-10B | Tan Caulk | Bedroom 3, Where CMU Meets Drywall | Not Analyzed Duplicate of 10A |
| BC29-11A | White Tread Mastic | Hall, Underneath Stair Tread | None Detected |
| BC29-11B | White Tread Mastic | Hall, Underneath Stair Tread | None Detected |
| <u><i>Samples Taken from Unit 31</i></u> | | | |
| BC31-1A | Gray Drywall | Basement Stairwell, Wall | None Detected |
| BC31-1B | Gray Drywall | Bedroom 3, Wall | None Detected |
| BC31-2A | White Joint Compound | Basement Stairwell, Wall | Chrysotile 2.0% |
| BC31-2B | White Joint Compound | Kitchen, Wall | Chrysotile 2.2% |
| BC31-2C | White Joint Compound | Living Room, Ceiling | Chrysotile 2.3% |
| BC31-2D | White Joint Compound | Bedroom 1, Ceiling | Chrysotile 1.9% |
| BC31-2E | White Joint Compound | Bedroom 2, Wall | Chrysotile 2.0% |
| BC31-2F | White Joint Compound | Bedroom 3, Wall | Chrysotile 1.8% |
| BC31-3A | White Cove Molding Mastic | Kitchen, Wall Base | None Detected |
| BC31-3B | White Cove Molding Mastic | Living Room, Wall Base | None Detected |
| BC31-4A | Gray Putty | Basement, Around Cables at CMU Wall | None Detected |
| BC31-4B | Gray Putty | Basement, Around Cables at CMU Wall | None Detected |
| BC31-5A | Tan/Gray Sheet Vinyl | Kitchen, Floor 1 st Floor | None Detected |
| BC31-5B | Tan/Gray Sheet Vinyl | Bathroom, Floor 1 st Floor | None Detected |
| BC31-6A | Tan Sheet Vinyl Mastic | Kitchen, Floor 1 st Floor | None Detected |
| BC31-6B | Tan Sheet Vinyl Mastic | Bathroom, Floor 1 st Floor | None Detected |
| BC31-7A | Tan with Brown Streaks 12" Floor Tile | Living Room, Floor Under Carpet | None Detected |
| BC31-7B | Tan with Brown Streaks 12" Floor Tile | Bedroom 1, Floor Under Carpet | None Detected |

Asbestos Bulk Sample Summary Table

Limited Pre-Renovation Regulated Building Materials Inspection
Units 29 & 31
Bronson Court Apartments
Rochester, New York 14608

Items in Bold are Confirmed ACM

| <i>Sample #</i> | <i>Type of Material</i> | <i>Sample Location</i> | <i>Results % Asbestos</i> |
|-----------------|--------------------------|---|---|
| BC31-8A | Tan Floor Tile Mastic | Bedroom 1, Floor Under Carpet | None Detected |
| BC31-8B | Tan Floor Tile Mastic | Bedroom 3, Floor Under Carpet | None Detected |
| BC31-9A | Gray Floor Mastic | Living Room, Floor Under Carpet, Tile & Wood Sub Floor | Chrysotile 12% |
| BC31-9B | Gray Floor Mastic | Bedroom 1, Floor Under Carpet, Tile & Wood Sub Floor | Not Analyzed Duplicate of 9A |
| BC31-10A | White Tread Mastic | Hall, Underneath Stair Tread | None Detected |
| BC31-10B | White Tread Mastic | Hall, Underneath Stair Tread | None Detected |

XRF Lead Sampling Summary Table

UNIT 29

XRF Lead Sampling Summary Table
Bronson Court Apartments - Unit 29
Bronson Court
Rochester, New York 14608
LaBella Project No. 2243994

| Reading # | Conc. (mg/cm2) | Result | Room | Wall | Structure | Substrate | Color | Condition | Cause |
|-----------|-------------------|--------|-------------|------|-------------------|-----------|-------|-----------|-------|
| 1 | 1.1 | P | Calibration | - | - | - | - | - | - |
| 2 | 1.1 | P | Calibration | - | - | - | - | - | - |
| 3 | 1.2 | P | Calibration | - | - | - | - | - | - |
| 4 | 0.0 | N | Calibration | - | - | - | - | - | - |
| 5 | 0.0 | N | Calibration | - | - | - | - | - | - |
| 6 | 0.0 | N | Calibration | - | - | - | - | - | - |
| 7 | 0.0 | N | Basement | A | Upper Wall | CMU | White | - | - |
| 8 | 0.0 | N | Basement | A | Lower Wall | CMU | Gray | - | - |
| 9 | 0.0 | N | Basement | - | Horizontal I-Beam | Metal | Gray | - | - |
| 10 | 0.0 | N | Basement | - | Support Post | Metal | Gray | - | - |
| 11 | 0.1 | N | Basement | - | Tread | Vinyl | Brown | - | - |
| 12 | 0.0 | N | Basement | - | Tread | Wood | Brown | - | - |
| 13 | 0.0 | N | Basement | - | Stringer | Wood | Brown | - | - |
| 14 | 0.0 | N | Basement | - | Handrail | Wood | Brown | - | - |
| 15 | 0.0 | N | Dining Room | A | Wall | CMU | White | - | - |
| 16 | 0.1 | N | Dining Room | B | Wall | Drywall | White | - | - |
| 17 | 0.1 | N | Dining Room | A | Wall Base | Vinyl | Brown | - | - |
| 18 | 0.1 | N | Dining Room | - | Floor | Vinyl | Brown | - | - |
| 19 | 0.0 | N | Dining Room | D | Windowsill | Wood | White | - | - |
| 20 | 0.0 | N | Dining Room | D | Window Apron | Wood | White | - | - |

| Reading # | Conc. (mg/cm2) | Result | Room | Wall | Structure | Substrate | Color | Condition | Cause |
|-----------|-------------------|--------|-------------|------|--------------|-----------|-------------|-----------|-------|
| 21 | 0.1 | N | Dining Room | A | Door | Wood | Brown | - | - |
| 22 | 0.0 | N | Dining Room | A | Door Case | Wood | White | - | - |
| 23 | 0.1 | N | Living Room | - | Tread | Wood | Light Brown | - | - |
| 24 | 0.0 | N | Living Room | - | Riser | Wood | White | - | - |
| 25 | 0.0 | N | Living Room | - | Stringer | Wood | White | - | - |
| 26 | 0.0 | N | Living Room | - | Handrail | Metal | Black | - | - |
| 27 | 0.0 | N | Living Room | B | Windowsill | Wood | White | - | - |
| 28 | 0.0 | N | Living Room | B | Window Apron | Wood | White | - | - |
| 29 | 0.0 | N | Living Room | A | Wall | CMU | White | - | - |
| 30 | 0.1 | N | Living Room | - | Ceiling | Drywall | White | - | - |
| 31 | 0.0 | N | Bedroom1 | - | Floor | Wood | Brown | - | - |
| 32 | 0.0 | N | Bedroom1 | B | Door Case | Wood | White | - | - |
| 33 | 0.0 | N | Bedroom1 | B | Door | Wood | Brown | - | - |
| 34 | 0.1 | N | Bedroom1 | - | Ceiling | Drywall | White | - | - |
| 35 | 0.0 | N | Bathroom | C | Sink | Porcelain | White | - | - |
| 36 | 0.0 | N | Bathroom | C | Toilet | Porcelain | White | - | - |
| 37 | 0.0 | N | Bedroom 3 | - | Floor | Wood | Brown | - | - |
| 38 | 0.0 | N | Bedroom 3 | - | Ceiling | Drywall | White | - | - |
| 39 | 0.0 | N | Bedroom 3 | A | Wall | CMU | White | - | - |
| 40 | 0.0 | N | Bedroom 3 | C | Wall | Drywall | White | - | - |
| 41 | 0.0 | N | Bedroom 3 | B | Windowsill | Wood | White | - | - |
| 42 | 0.0 | N | Bedroom 3 | B | Window Apron | Wood | White | - | - |
| 43 | 0.0 | N | Hall | A | Wall Base | Vinyl | Brown | - | - |
| 44 | 0.0 | N | Hall | D | Handrail | Wood | Brown | - | - |
| 45 | 1.1 | P | Calibration | - | - | - | - | - | - |

| Reading # | Conc. (mg/cm2) | Result | Room | Wall | Structure | Substrate | Color | Condition | Cause |
|-----------|-------------------|--------|-------------|------|-----------|-----------|-------|-----------|-------|
| 46 | 1.1 | P | Calibration | - | - | - | - | - | - |
| 47 | 1.2 | P | Calibration | - | - | - | - | - | - |
| 48 | 0.0 | N | Calibration | - | - | - | - | - | - |
| 49 | 0.0 | N | Calibration | - | - | - | - | - | - |
| 50 | 0.0 | N | Calibration | - | - | - | - | - | - |

UNIT 31

XRF Lead Sampling Summary Table
Bronson Court Apartments - Unit 31
Bronson Court
Rochester, New York 14608
LaBella Project No. 2243994

| Reading # | Conc. (mg/cm2) | Result | Room | Wall | Structure | Substrate | Color | Condition | Cause |
|-----------|-------------------|--------|-------------|------|-------------------|-----------|-------------|-----------|-------|
| 1 | 1.1 | P | Calibration | - | - | - | - | - | - |
| 2 | 1.1 | P | Calibration | - | - | - | - | - | - |
| 3 | 1.2 | P | Calibration | - | - | - | - | - | - |
| 4 | 0.0 | N | Calibration | - | - | - | - | - | - |
| 5 | 0.0 | N | Calibration | - | - | - | - | - | - |
| 6 | 0.0 | N | Calibration | - | - | - | - | - | - |
| 7 | 0.0 | N | Basement | A | Wall | CMU | White | - | - |
| 8 | 0.0 | N | Basement | A | Wall | CMU | Gray | - | - |
| 9 | 0.0 | N | Basement | - | Floor | Concrete | Gray | - | - |
| 10 | 0.0 | N | Basement | - | Tread | Vinyl | Brown | - | - |
| 11 | 0.0 | N | Basement | - | Stringer | Wood | Gray | - | - |
| 12 | 0.0 | N | Basement | - | Handrail | Wood | Gray | - | - |
| 13 | 0.0 | N | Basement | - | Horizontal I-Beam | Metal | Gray | - | - |
| 14 | 0.0 | N | Basement | - | Support Post | Metal | Brown | - | - |
| 15 | 0.0 | N | Living Room | A | Wall | Drywall | White | - | - |
| 16 | 0.0 | N | Living Room | - | Ceiling | Drywall | White | - | - |
| 17 | 0.1 | N | Living Room | B | Windowsill | Wood | White | - | - |
| 18 | 0.0 | N | Living Room | B | Window Apron | Wood | White | - | - |
| 19 | 0.0 | N | Living Room | - | Tread | Vinyl | Light Brown | - | - |
| 20 | 0.0 | N | Living Room | - | Riser | Wood | White | - | - |

| Reading # | Conc. (mg/cm2) | Result | Room | Wall | Structure | Substrate | Color | Condition | Cause |
|-----------|-------------------|--------|-------------|------|--------------|-----------|-------|-----------|-------|
| 21 | 0.0 | N | Living Room | - | Stringer | Wood | White | - | - |
| 22 | 0.1 | N | Living Room | - | Handrail | Metal | Black | - | - |
| 23 | 0.0 | N | Dining Room | C | Wall | Drywall | White | - | - |
| 24 | 0.1 | N | Dining Room | C | Wall Base | Vinyl | Cream | - | - |
| 25 | 0.0 | N | Dining Room | C | Windowsill | Wood | White | - | - |
| 26 | 0.0 | N | Dining Room | C | Window Apron | Wood | White | - | - |
| 27 | 0.0 | N | Kitchen | D | Door Case | Wood | White | - | - |
| 28 | 0.0 | N | Kitchen | D | Door | Wood | White | - | - |
| 29 | 0.0 | N | Hall | D | Wall Base | Vinyl | Cream | - | - |
| 30 | 0.0 | N | Hall | D | Handrail | Wood | Brown | - | - |
| 31 | 0.1 | N | Bathroom | A | Sink | Porcelain | White | - | - |
| 32 | 0.1 | N | Bathroom | A | Toilet | Porcelain | White | - | - |
| 33 | 0.0 | N | Bedroom 1 | B | Door Case 2 | Wood | White | - | - |
| 34 | 0.0 | N | Bedroom 1 | B | Door 2 | Wood | Brown | - | - |
| 35 | 0.0 | N | Bedroom 1 | D | Windowsill | Wood | White | - | - |
| 36 | 0.0 | N | Bedroom 1 | D | Window Apron | Wood | White | - | - |
| 37 | 0.1 | N | Bedroom 2 | C | Wall | Drywall | White | - | - |
| 38 | 0.1 | N | Bedroom 2 | - | Ceiling | Drywall | White | - | - |
| 39 | 0.0 | N | Bedroom 3 | D | Door Case 2 | Wood | White | - | - |
| 40 | 0.0 | N | Bedroom 3 | D | Door 2 | Wood | Brown | - | - |
| 41 | 0.1 | N | Bedroom 3 | A | Wall | Drywall | White | - | - |
| 42 | 0.1 | N | Bedroom 3 | - | Ceiling | Drywall | White | - | - |
| 43 | 0.0 | N | Bedroom 3 | B | Windowsill | Wood | White | - | - |
| 44 | 0.0 | N | Bedroom 3 | B | Window Apron | Wood | White | - | - |
| 45 | 1.1 | P | Calibration | - | - | - | - | - | - |

| Reading # | Conc. (mg/cm2) | Result | Room | Wall | Structure | Substrate | Color | Condition | Cause |
|-----------|-------------------|--------|-------------|------|-----------|-----------|-------|-----------|-------|
| 46 | 1.1 | P | Calibration | - | - | - | - | - | - |
| 47 | 1.2 | P | Calibration | - | - | - | - | - | - |
| 48 | 0.0 | N | Calibration | - | - | - | - | - | - |
| 49 | 0.0 | N | Calibration | - | - | - | - | - | - |
| 50 | 0.0 | N | Calibration | - | - | - | - | - | - |



APPENDIX A:

INSPECTION FACT SHEET

Inspection Fact Sheet

Name and Address of Building/Structure

Units 29 & 31

Bronson Court Apartments

Rochester, New York 14608

Name and Address of Building/Structure Owner

Rochester Housing Authority

675 West Main Street

Rochester, New York 14611

Name and Address of Owner's Agent

LaBella Associates, D.P.C.

300 State Street, Suite 201

Rochester, New York 14614

Name of the Firm & Person Conducting the Inspection

LaBella Associates, D.P.C.

Chris Enright (NYSDOL Cert. #24-6130A-SHAB)

Date the Inspection Was Conducted

December 5, 2024



APPENDIX B:

SAMPLE LOCATION DRAWINGS

Project Number: 2243994

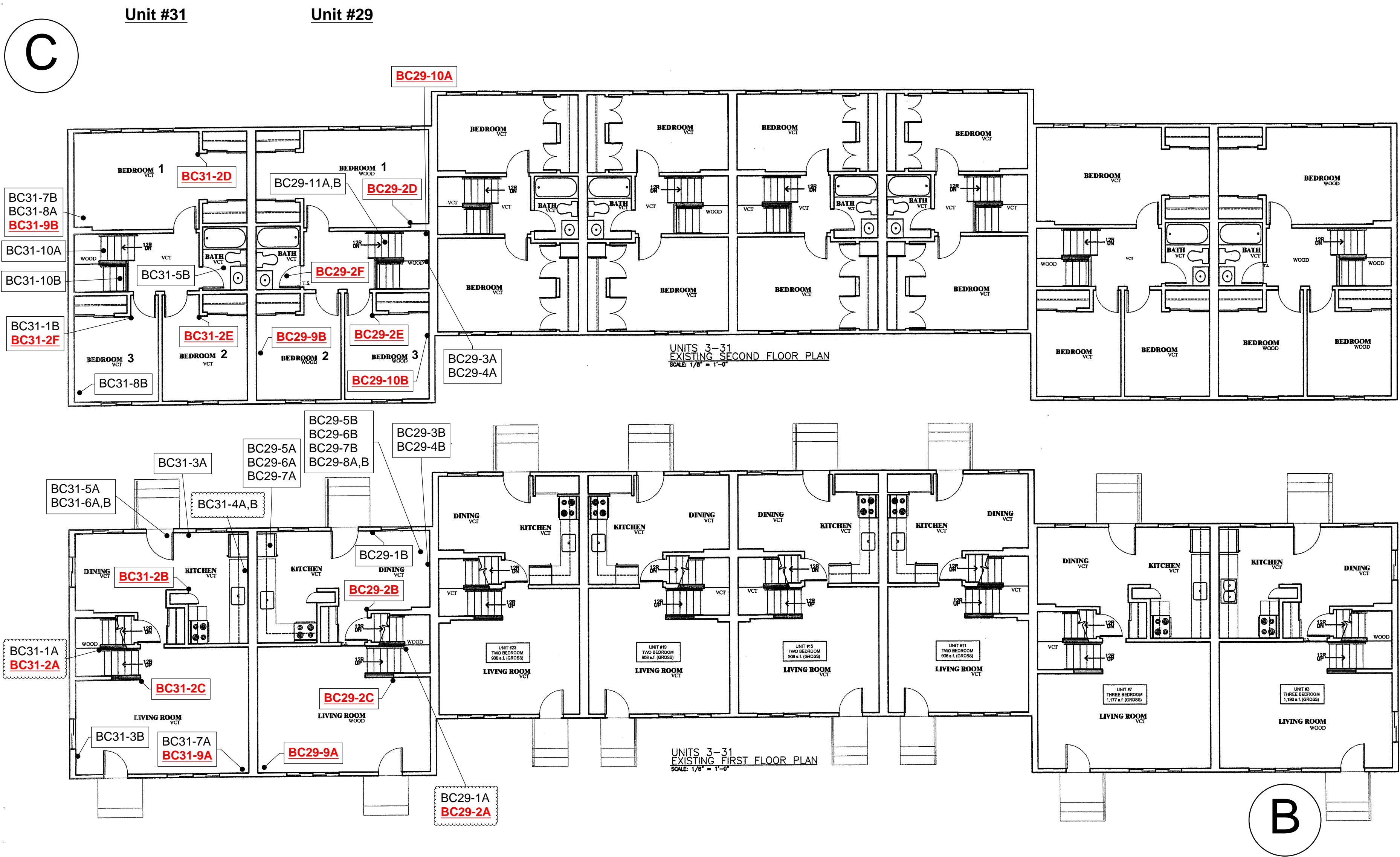
Bronson Court Apartments
Units 29 and 31

Interior Bulk Samples

Basement
Samples

D

C



B

A

ARCHITECT
A D DANIEL P. GLASOW
680 CANTON SQUARE
ROCHESTER, NY 14604
(585) 244-4195
fax: (585) 244-5931

Bronson Court
Bronson Court
Rochester, New York, 14608

The ROCHESTER HOUSING
AUTHORITY
675 West Main Street
Rochester, New York 14611-2388
(585) 587-2500
FAX: (585) 587-1164

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This drawing is the property of the Architect and is to be used only for the project and location specified. It is not to be reproduced, stored in a retrieval system, or by any information storage or retrieval system, without permission in writing by Daniel P. Glasow, Architect.
This drawing is an excerpt from the New York State Education Law Article 145 Section 7209 and applies to the following:
It is a violation of this law for any person unless he is acting in the course of his professional duties as an architect or professional engineer to alter in any way, if an item bearing the seal of an architect or engineer is altered, the notation "ALTERED BY" followed by his signature and date of such alteration and a specific description of the alteration.

JOB NO. 07-005
DIRECTORY Bronson Court
FILE UNIT TYPES
SCALE 1/8" = 1'-0"
DRAWN VEI
CHECKED DPG
DATE 08/18/07
PLOT 08/18/07
ISSUED
REVISIONS

A-2

Confirmed ACM **Bold and Underlined**



APPENDIX C:

INSPECTION PHOTOS



Photo 1

View of White Asbestos-Containing Joint Compound on Walls & Ceilings Throughout Unit 29



Photo 2

View of White Asbestos-Containing Joint Compound on Walls & Ceilings Throughout Unit 29



Photo 3

View of Gray Asbestos-Containing Floor Mastic Underneath Wood Parquet Floor in Unit 29



Photo 4

View of Tan Asbestos-Containing Caulk where CMU abuts Drywall Wall System in Unit 29



Photo 5

View of White Asbestos-Containing Joint Compound on Walls & Ceilings Throughout Unit 31



Photo 6

View of White Asbestos-Containing Joint Compound on Walls & Ceilings Throughout Unit 31



Photo 7

View of White Asbestos-Containing Joint Compound on Walls & Ceilings Throughout Unit 31

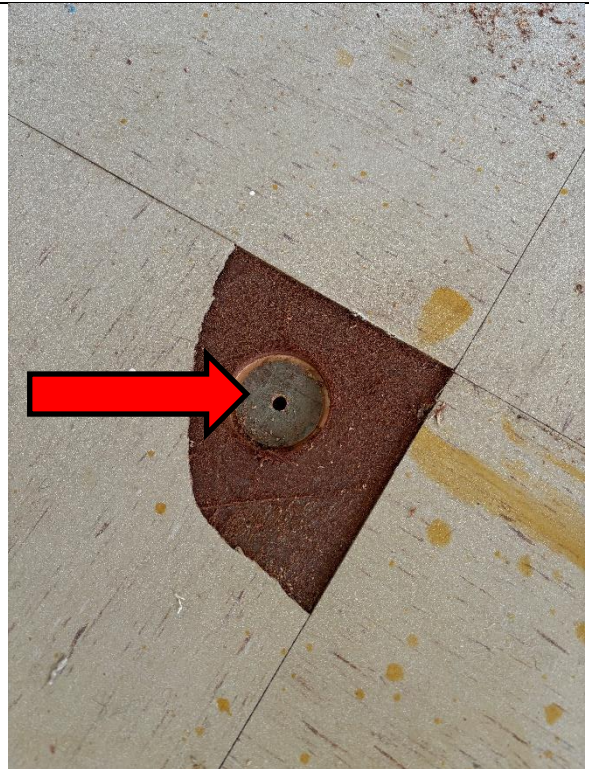


Photo 8

View of Gray Asbestos-Containing Floor Mastic Underneath Carpet, Tile & Sub Floor in Unit 31



APPENDIX D:
LABORATORY ANALYTICAL
REPORTS

ASBESTOS

UNIT 29

Bulk Sample Asbestos Analytical Report

ABELLA ASSOCIATES, DPC
ANALYTICAL LABORATORY
300 STATE STREET
ROCHESTER, NY 14614
585.454.6110 FAX 585.454.3066

LBL JOB # 85824

Page 1 of 2

LBL ELAP # 11184
All TEM analysis by AMA Lab, ELAP # 10920
PLM Methods: 198.1, 198.4 & 198.6
RSD: 18.3

Client Code:

CLIENT: Labella Associates

Project Number: 2243994

ADDRESS: 300 State Street
Rochester, NY 14614

Sample Type: PLM Bulk

Sample Date: 12/5/2024

PROJECT LOCATION: Bronson Court Apartments - Unit 29

| Field ID | LBL ID | Method | Asbestos Type | % | Other Fibers | % | Matrix | % | Color/Description |
|----------|----------|--------|---------------|-----|--------------|----|------------|-----|----------------------|
| BC29-1A | 85824-1 | P | ND | | ND | | MIN | 100 | GRAY DRYWALL |
| BC29-1B | 85824-2 | P | ND | | ND | | MIN | 100 | GRAY DRYWALL |
| BC29-2A | 85824-3 | P | CHRYSTILE | 2.4 | ND | | MIN | 98 | WHITE JOINT COMPOUND |
| BC29-2B | 85824-4 | P | CHRYSTILE | 2.1 | ND | | MIN | 98 | WHITE JOINT COMPOUND |
| BC29-2C | 85824-5 | P | CHRYSTILE | 2.3 | ND | | MIN | 98 | WHITE JOINT COMPOUND |
| BC29-2D | 85824-6 | P | CHRYSTILE | 1.9 | ND | | MIN | 98 | WHITE JOINT COMPOUND |
| BC29-2E | 85824-7 | P | CHRYSTILE | 2.0 | ND | | MIN | 98 | WHITE JOINT COMPOUND |
| BC29-2F | 85824-8 | P | CHRYSTILE | 1.9 | ND | | MIN | 98 | WHITE JOINT COMPOUND |
| BC29-3A | 85824-9 | T | ND | | ND | | MIN/BINDER | 100 | WHITE MASTIC |
| BC29-3B | 85824-10 | T | ND | | ND | | MIN/BINDER | 100 | WHITE MASTIC |
| BC29-4A | 85824-11 | T | ND | | ND | | MIN/BINDER | 100 | BROWN MASTIC |
| BC29-4B | 85824-12 | T | ND | | ND | | MIN/BINDER | 100 | BROWN MASTIC |
| BC29-5A | 85824-13 | G | ND | | ND | | MIN/VINYL | 100 | BROWN/BLACK FLOORING |
| BC29-5B | 85824-14 | G | ND | | ND | | MIN/VINYL | 100 | BROWN/BLACK FLOORING |
| BC29-6A | 85824-15 | T | ND | | CELL/GLASS | 30 | MIN/VINYL | 70 | TAN/GRAY SHEET VINYL |
| BC29-6B | 85824-16 | T | ND | | CELL/GLASS | 30 | MIN/VINYL | 70 | TAN/GRAY SHEET VINYL |
| BC29-7A | 85824-17 | G | ND | | ND | | MIN/VINYL | 100 | TAN FLOOR TILE |
| BC29-7B | 85824-18 | G | ND | | ND | | MIN/VINYL | 100 | TAN FLOOR TILE |
| BC29-8A | 85824-19 | T | ND | | ND | | MIN/BINDER | 100 | TAN MASTIC |
| BC29-8B | 85824-20 | T | ND | | ND | | MIN/BINDER | 100 | TAN MASTIC |
| BC29-9A | 85824-21 | N | CHRYSTILE | 12 | ND | | MIN/BINDER | 88 | GRAY MASTIC |

LAB DIRECTOR:

Matthew Smith

Date:

12/5/24

Method Code: P - Friable PLM result N - NOB PLM result T - TEM result IN* - Inconclusive G - Gravimetric Matrix Reduction where sample residue weight is less than 1% of original sample weight, TEM not required.

Terms: ND** - None Detected CELL - Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1** - Trace PLAS - Plaster Vermiculite - Vermiculite is reported as an asbestos-containing mineral in accordance with NYSDOH determinations and requirements. See NYSDOH guidance, available upon request.

* "Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered to be non-asbestos containing."

** Please note: Due to interference from sample matrix components results reported via PLM method ELAP 198.1 as negative (ND) or less than 1% (Trace) may be inaccurate and reported as a False Negative. It is recommended that additional analytical techniques such as gravimetric reduction, TEM and others be used to reduce obscuring effects of some matrix components yielding more accurate results.

** Please note: Due to interference from sample matrix components results reported via PLM method ELAP 198.1 as negative (ND) or less than 1% (Trace) may be inaccurate and reported as a False Negative. It is recommended that additional analytical techniques such as gravimetric reduction, TEM and others be used to reduce obscuring effects of some matrix components yielding more accurate results.

**ASBESTOS SAMPLING SURVEY
BULK SAMPLE LOG
AND CHAIN OF CUSTODY**

Location: Bronson Court Apartments – Unit 29

Client: Rochester Housing Authority

Job No.: 2243994

Rates: Standard

Date: 12/5/2024

Relinquished by: Chris Enright

Sampled By: Chris Enright

Received by: Matt Smith 12/5/24

LaBella Lab No.: 85824

Number of Samples: _____

STOP Positive: YES NO

| | Field ID # | Sample Location | Type of Suspect ACM to be Analyzed | Approx. Amount |
|-----|------------|--|--|----------------|
| P1 | BC29-1A | Basement Stairwell, Wall | Gray Drywall | |
| P2 | BC29-1B | Dining Room, Wall | Gray Drywall | |
| +P3 | BC29-2A | Basement Stairwell, Wall | White Joint Compound | |
| +P4 | BC29-2B | Dining Room, Wall | White Joint Compound | |
| +P5 | BC29-2C | Living Room, Ceiling | White Joint Compound | |
| +P6 | BC29-2D | Bedroom 1, Wall | White Joint Compound | |
| +P7 | BC29-2E | Bedroom 3, Wall | White Joint Compound | |
| +P8 | BC29-2F | Bathroom, Ceiling | White Joint Compound | |
| T9 | BC29-3A | Hall, Wall Base | White Cove Molding Mastic | |
| T10 | BC29-3B | Dining Room, Wall Base | White Cove Molding Mastic | |
| T11 | BC29-4A | Hall, Wall Base | Brown Cove Molding Mastic | |
| T12 | BC29-4B | Dining Room, Wall Base | Brown Cove Molding Mastic | |
| G13 | BC29-5A | Kitchen, Floor 1 st Layer | Brown/Black Flooring | |
| G14 | BC29-5B | Dining Room, Floor 1 st Layer | Brown/Black Flooring | |
| T15 | BC29-6A | Kitchen, Floor 2 nd Layer | Tan/Gray Sheet Vinyl | |
| T16 | BC29-6B | Dining Room, Floor 2 nd Layer | Tan/Gray Sheet Vinyl | |
| G17 | BC29-7A | Kitchen, Floor 3 rd Layer | Tan with Brown Streaks 12" Floor Tile | |
| G18 | BC29-7B | Dining Room, Floor 3 rd Layer | Tan with Brown Streaks 12" Floor Tile | |
| T19 | BC29-8A | Dining Room, Floor 3 rd Layer | Tan Floor Tile Mastic | |
| T20 | BC29-8B | Dining Room, Floor 3 rd Layer | Tan Floor Tile Mastic | |

ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG AND CHAIN OF CUSTODY

Location: Bronson Court Apartments – Unit 29

Client: Rochester Housing Authority

Job No.: 2243994

Rates: Standard

Date: 12/5/2024

Relinquished by: Chris Enright

Sampled By: Chris Enright

Received by: Matt Smith

LaBella Lab No.: 85824

Number of Samples: _____

STOP Positive: (YES) NO

YES

NO

[illegible]

UNIT 31

Bulk Sample Asbestos Analytical Report

LABELLA ASSOCIATES, DPC
ANALYTICAL LABORATORY
300 STATE STREET
ROCHESTER, NY 14614
585.454.6110 FAX 585.454.3066

LBL JOB # 85924

Page 1 of 2

LBL ELAP # 11184
All TEM analysis by AMA Lab, ELAP # 10920
PLM Methods: 198.1, 198.4 & 198.6
RSD: 18.3

Client Code:

CLIENT: Labella Associates

Project Number: 2243994

ADDRESS: 300 State Street
Rochester, NY 14614

Sample Type: PLM Bulk

Sample Date: 12/5/2024

PROJECT LOCATION: Bronson Court Apartments - Unit 31

| Field ID | LBL ID | Method | Asbestos Type | % | Other Fibers | % | Matrix | % | Color/Description |
|----------|----------|--------|---------------|-----|--------------|----|------------|-----|----------------------|
| BC31-1A | 85924-1 | P | ND | | ND | | MIN | 100 | GRAY DRYWALL |
| BC31-1B | 85924-2 | P | ND | | ND | | MIN | 100 | GRAY DRYWALL |
| BC31-2A | 85924-3 | P | CHRYSTILE | 2.0 | ND | | MIN | 98 | WHITE JOINT COMPOUND |
| BC31-2B | 85924-4 | P | CHRYSTILE | 2.2 | ND | | MIN | 98 | WHITE JOINT COMPOUND |
| BC31-2C | 85924-5 | P | CHRYSTILE | 2.3 | ND | | MIN | 98 | WHITE JOINT COMPOUND |
| BC31-2D | 85924-6 | P | CHRYSTILE | 1.9 | ND | | MIN | 98 | WHITE JOINT COMPOUND |
| BC31-2E | 85924-7 | P | CHRYSTILE | 2.0 | ND | | MIN | 98 | WHITE JOINT COMPOUND |
| BC31-2F | 85924-8 | P | CHRYSTILE | 1.8 | ND | | MIN | 98 | WHITE JOINT COMPOUND |
| BC31-3A | 85924-9 | T | ND | | ND | | MIN/BINDER | 100 | WHITE MASTIC |
| BC31-3B | 85924-10 | T | ND | | ND | | MIN/BINDER | 100 | WHITE MASTIC |
| BC31-4A | 85924-11 | T | ND | | ND | | MIN/BINDER | 100 | GRAY CAULK |
| BC31-4B | 85924-12 | T | ND | | ND | | MIN/BINDER | 100 | GRAY CAULK |
| BC31-5A | 85924-13 | T | ND | | CELL/GLASS | 30 | MIN/VINYL | 70 | TAN/GRAY SHEET VINYL |
| BC31-5B | 85924-14 | T | ND | | CELL/GLASS | 30 | MIN/VINYL | 70 | TAN/GRAY SHEET VINYL |
| BC31-6A | 85924-15 | T | ND | | ND | | MIN/BINDER | 100 | TAN MASTIC |
| BC31-6B | 85924-16 | T | ND | | ND | | MIN/BINDER | 100 | TAN MASTIC |
| BC31-7A | 85924-17 | G | ND | | ND | | MIN/VINYL | 100 | TAN FLOOR TILE |
| BC31-7B | 85924-18 | G | ND | | ND | | MIN/VINYL | 100 | TAN FLOOR TILE |
| BC31-8A | 85924-19 | T | ND | | ND | | MIN/BINDER | 100 | TAN MASTIC |
| BC31-8B | 85924-20 | T | ND | | ND | | MIN/BINDER | 100 | TAN MASTIC |
| BC31-9A | 85924-21 | N | CHRYSTILE | 12 | ND | | MIN/BINDER | 88 | GRAY MASTIC |

LAB DIRECTOR:

Matthew Smith

Date:

12/6/24

Method Code: P - Friable PLM result N - NOB PLM result T - TEM result IN* - Inconclusive G - Gravimetric Matrix Reduction where sample residue weight is less than 1% of original sample weight, TEM not required.

Terms: ND** - None Detected CELL - Cellulose JC - Joint Compound MIN - Mineral GLASS - Fiberglass <1** - Trace PLAS - Plaster Vermiculite - Vermiculite is reported as an asbestos-containing mineral in accordance with NYSDOH determinations and requirements. See NYSDOH guidance, available upon request.

* "Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered to be non-asbestos containing."

** Please note: Due to interference from sample matrix components results reported via PLM method ELAP 198.1 as negative (ND) or less than 1% (Trace) may be inaccurate and reported as a False Negative. It is recommended that additional analytical techniques such as gravimetric reduction, TEM and others be used to reduce obscuring effects of some matrix components yielding more accurate results.

* Please note: Due to interference from sample matrix components results reported via PLM method ELAP 198.1 as negative (ND) or less than 1% (Trace) may be inaccurate and reported as a False Negative. It is recommended that additional analytical techniques such as gravimetric reduction, TEM and others be used to reduce obscuring effects of some matrix components yielding more accurate results.

**ASBESTOS SAMPLING SURVEY
BULK SAMPLE LOG
AND CHAIN OF CUSTODY**

Location: Bronson Court Apartments – Unit 31

Client: Rochester Housing Authority

Job No.: 2243994

Rates: Standard

Date: 12/5/2024

Relinquished by: Chris Enright

Sampled By: Chris Enright

Received by: Matt Smith 12/5/24

LaBella Lab No.: 85924

Number of Samples: _____

STOP Positive: YES NO

| | Field ID # | Sample Location | Type of Suspect ACM to be Analyzed | Approx. Amount |
|-------|------------|---------------------------------------|--|----------------|
| P 1 | BC31-1A | Basement Stairwell, Wall | Gray Drywall | |
| P 2 | BC31-1B | Bedroom 3, Wall | Gray Drywall | |
| + P 3 | BC31-2A | Basement Stairwell, Wall | White Joint Compound | |
| + P 4 | BC31-2B | Kitchen, Wall | White Joint Compound | |
| + P 5 | BC31-2C | Living Room, Ceiling | White Joint Compound | |
| + P 6 | BC31-2D | Bedroom 1, Ceiling | White Joint Compound | |
| + P 7 | BC31-2E | Bedroom 2, Wall | White Joint Compound | |
| + P 8 | BC31-2F | Bedroom 3, Wall | White Joint Compound | |
| T 9 | BC31-3A | Kitchen, Wall Base | White Cove Molding | |
| T 10 | BC31-3B | Living Room, Wall Base | Mastic White Cove Molding | |
| T 11 | BC31-4A | Basement, Around Cables at CMU Wall | Gray Caulk | |
| T 12 | BC31-4B | Basement, Around Cables at CMU Wall | Gray Caulk | |
| T 13 | BC31-5A | Kitchen, Floor 1 st Layer | Tan/Gray Sheet Vinyl | |
| T 14 | BC31-5B | Bathroom, Floor 1 st Layer | Tan/Gray Sheet Vinyl | |
| T 15 | BC31-6A | Kitchen, Floor 1 st Layer | Tan Sheet Vinyl Mastic | |
| T 16 | BC31-6B | Kitchen, Floor 1 st Layer | Tan Sheet Vinyl Mastic | |
| G 17 | BC31-7A | Living Room, Floor Under Carpet | Tan with Brown Streaks | |
| G 18 | BC31-7B | Bedroom 1, Floor Under Carpet | 12" Floor Tile Tan with Brown Streaks | |
| T 19 | BC31-8A | Bedroom 1, Floor Under Carpet | 12" Floor Tile Tan Floor Tile Mastic | |
| T 20 | BC31-8B | Bedroom 3, Floor Under Carpet | Tan Floor Tile Mastic | |

ASBESTOS SAMPLING SURVEY BULK SAMPLE LOG AND CHAIN OF CUSTODY

Location: Bronson Court Apartments – Unit 31

Client: Rochester Housing Authority

Job No.: 2243994

Rates: Standard

Date: 12/5/2024

Relinquished by: Chris Enright

Sampled By: Chris Enright

Received by: Matt Smith

LaBella Lab No.: 85924

Number of Samples: _____

STOP Positive: **(YES)** **NO**

[illegible]



APPENDIX E:

LICENSES AND CERTIFICATIONS

WE ARE YOUR DOL



**Department
of Labor**

DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

ASBESTOS HANDLING LICENSE

LaBella Associates, D.P.C.
300 State Street, Suite 201, Rochester, NY, 14614

License Number: 29278

License Class: RESTRICTED

Date of Issue: 03/25/2024

Expiration Date: 03/31/2025

Duly Authorized Representative: Greg Senecal

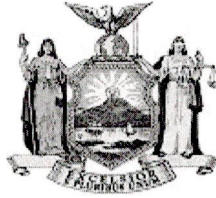
This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Amy Phillips, Director
For the Commissioner of Labor

EXCELSIOR

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. MATTHEW SMITH
LABELLA ASSOCIATES
300 STATE STREET SUITE 200
ROCHESTER, NY 14614

NY Lab Id No: 11184

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)

Serial No.: 68695

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2024
Issued April 01, 2022
Revised March 30, 2023

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MICHAEL GREENBERG
AMA ANALYTICAL SERVICES INC
4475 FORBES BLVD
LANHAM, MD 20706

NY Lab Id No: 10920

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Metals I

Lead, Total EPA 7000B

Miscellaneous

Asbestos in Friable Material Item 198.1 of Manual
EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM Item 198.4 of Manual
Lead in Dust Wipes EPA 7000B
Lead in Paint EPA 7000B

Sample Preparation Methods

ASTM E-1979-17

Serial No.: 66247

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.

United States Environmental Protection Agency

This is to certify that

LaBella Associates, D.P.C.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires September 26, 2027

LBP-2226-3

Certification #

August 01, 2024

Issued On

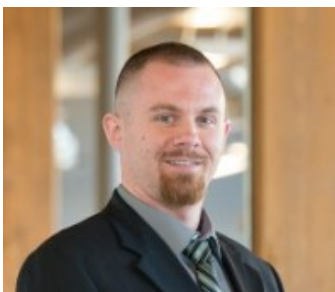


Marc Edmonds, Chief

Risk Assessment Management Branch 2.

United States Environmental Protection Agency

This is to certify that



Chris Enright

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Risk Assessor

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires October 24, 2025

LBP-R-22573-2

Certification #

August 02, 2022

Issued On



Ben Conetta, Chief

Chemicals and Multimedia Programs Branch

