Hamilton

Date Issued: November 9, 2023

C13-31-23 - General Contractor Required for Victoria Park Field House Renovations

ADDENDUM 2

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1. ADDITIONS

Hazardous Building Materials Assessment (Pre Construction) Document

- Bidders are to reference the **"Hazardous Building Materials Assessment (Pre-construction)"** document attached within this Addendum.

2. BIDDER QUESTIONS AND CITY RESPONSES

Q1. Could you kindly confirm that only an e-bid bond is required at the tendering stage and no agreement to bond is required?

R1. **Bidders are to reference the Request for Tender Notice, 2.1 Bid Security, 2.2 Performance and/or Labour and Material Payment Security, for all the appropriate direction.**

Q2. Section 02 81 00 Hazardous Materials, item 1.2.1 requests bidders to refer to a DSS report that was prepared by Pinichin Ltd. in 2021, however, we could not find this report with the Tender documents. Could you kindly provide this report? Is there an updated reported or recent assessment completed recently?

R2. **Please refer to item 1 in this Addendum.**

Q3. Is there a Substantial Performance Date for this Project?

R3. Bidders are to reference Project Specific Supplementary Conditions to Contract CCDC 2-2020, PSSC 1. GC 3.4 Construction Schedule, for the appropriate Substantial Performance of Work date.

Q4. Section 02 81 00 item 1.2.1 notes to refer to report entitled “Hazardous Building Materials Assessment (Preconstruction), Victoria Park, 500 King Street West, Hamilton, Ontario”, dated December 16, 2021, prepared by Pinchin Ltd., file number 286548.016. Based on a review of the specifications this report was not provided. Please advise if there is any Hazardous Materials that need to be removed, if so, please provide the noted report

R4. **Please refer to item 1 in this Addendum..**

Q5. Is there a DSR (Designated Substance Report) for this building?

R5. **Please refer to item 1 in this Addendum..**

Q6. Is there any known hazardous substances in this building?

R6. **Please refer to item 1 in this Addendum..**

Q7. Please provide DSS report

R7. **Please refer to item 1 in this Addendum.**

END OF ADDENDUM

Hazardous Building Materials Assessment (Pre-construction)

Victoria Park
500 King Street West, Hamilton, Ontario

Prepared for:

City of Hamilton
28 James Street North, 5th Floor
Hamilton, Ontario, L8R 2K1

December 16, 2021

Pinchin File: 286548.016

Issued to:	**City of Hamilton**
Issued on:	**December 16, 2021**
Pinchin File:	**286548.016**
Issuing Office:	**Hamilton, ON**

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EXECUTIVE SUMMARY

City of Hamilton (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment at Victoria Park located at 500 King Street West, Hamilton, Ontario. Pinchin performed the assessment on November 26, 2021.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation and demolition activities. The full extent of the scope of work is unknown at this time.

The results of this assessment are intended for use with a properly developed scope of work or performance specifications and safe work procedures.

SUMMARY OF FINDINGS

The following is a summary of significant findings; refer to the body of the report for detailed findings:

Asbestos:

- No asbestos-containing materials were identified on site.

Lead:

- Lead in paints is present.
- Lead is present within batteries of emergency lights.
- Lead is presumed in electrical components, including wiring connectors, grounding conductors, and solder and solder on pipe connections

Silica: Crystalline silica is present in concrete, mortar, masonry, drywall, ceiling tiles and plaster.

Mercury: Mercury vapour is present in lamp tubes.

Polychlorinated Biphenyls (PCBs): Based on the date of construction, PCBs may be present in light ballasts.

Mould and Water Damage: Visible mould and water damage was not observed.

SUMMARY OF RECOMMENDATIONS

The following is a summary of significant recommendations; refer to the body of the report for detailed recommendations.

1. Conduct further investigation of the following items, which was not completed during this assessment:
    a. Any materials listed as exclusions from this report.
    b. Assess the roof if it will be affected by the work.
2. Prepare a scope of work or specifications and safe work procedures for the hazardous materials removal required for the planned work.
3. Do not disturb suspected hazardous building materials discovered during the planned work, which have not been identified in this report and arrange for further evaluation and testing.
4. Remove and properly dispose of presumed asbestos-containing materials prior to renovation activities.
5. Recycle mercury-containing lamp tubes when removed from service.
6. Follow appropriate safe work procedures when handling or disturbing asbestos, lead and silica.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.

TABLE OF CONTENTS

APPENDICES

1.0 INTRODUCTION AND SCOPE

City of Hamilton (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment at Victoria Park located at 500 King Street West, Hamilton, Ontario.

Pinchin performed the assessment on November 26, 2021. The surveyor was unaccompanied during the assessment. The assessed area was vacant at the time of the assessment.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation and demolition activities.

The assessments were completed as part of a feasibility survey.

The results of this assessment are intended for use with a properly developed scope of work or performance specification.

1.1 Scope of Assessment

The **assessed area** consisted of all parts of the building.

The assessment was performed to establish the type of specified hazardous building materials, locations and approximate quantities incorporated in the structure(s) and its finishes.

For the purpose of the assessment and this report, hazardous building materials are defined as follows:

- Asbestos
- Lead
- Silica
- Mercury
- Polychlorinated Biphenyls (PCBs)
- Mould

The following Designated Substances are not typically found in building materials in a composition/state that is hazardous and were not included in this assessment:

- Arsenic
- Acrylonitrile
- Benzene
- Coke oven emissions
- Ethylene oxide
- Isocyanates

- Vinyl chloride monomer

2.0 METHODOLOGY

Pinchin conducted a room-by-room assessment (rooms, corridors, service areas, exterior, etc.) to identify the hazardous building materials as defined in the scope.

Demolition of exterior building finishes, masonry walls (chases, shafts etc.), and structural surrounds was not conducted.

Sampling of roofing materials was not conducted

For further details on the methodology including test methods, refer to Appendix III.

3.0 BACKGROUND INFORMATION

3.1 Building Description

Description Item	Details
Use	Recreation Centre
Number of Floors	The building is 1 storey plus 1 level(s) below grade.
Total Area	The total area of the building is 2,150 square feet.
Year of Construction	The building was constructed in the 1950's.
Structure	Concrete and wood
Exterior Cladding	Concrete
HVAC	Furnace
Roof	Not Assessed
Flooring	Concrete, vinyl floor tiles and laminate
Interior Walls	Drywall, plaster, concrete and masonry
Ceilings	Plaster, wood and drywall

3.2 Existing Reports

No existing reports were provided for reference.

4.0 FINDINGS

The following section summarizes the findings of the assessment and provides a general description of the hazardous materials identified and their locations. For details on approximate quantities, condition, friability, accessibility and locations of hazardous materials; refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI.

Any quantities listed in this report or data tables are estimated based on visual approximations only and are subject to variation.

4.1 Asbestos

4.1.1 Pipe Insulation

Pipes are insulated with fibreglass, or other non-asbestos insulation such as mineral fibre or elastomeric foam insulation (photo 1 and 2).

Pipes insulated with asbestos-containing insulations may be present in inaccessible spaces such as above solid ceilings, in chases, in column enclosures and within shafts

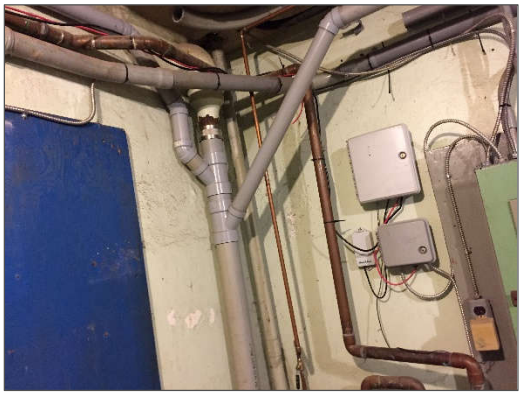


Photo 1

Photo 2

4.1.2 Duct Insulation and Mastic

Ducts are uninsulated.

Photo 1

4.1.3 Mechanical Equipment Insulation

Mechanical equipment (e.g. furnace, hot water tanks) is either uninsulated or insulated with non-asbestos fibreglass.

Photo 1

Photo 2

4.1.4 Vermiculite

The attic space was inspected for the presence of Vermiculite and was not observed.

4.1.5 Acoustic Ceiling Tiles

Acoustic ceiling tiles are present in the assessed area, as follows:

Size, Type, Pattern and Photo #	Sample Locations	Sample Number or Date Code	Asbestos Type
12” wood (mechanically fastened) photo 1	Back Entrance (Location 2) and Washroom (Location 5)	N/A	Non-Asbestos

All ceiling tiles are presumed to be non-asbestos based on the composition of the tiles (e.g. wood fibre).

Photo 1

4.1.6 Plaster and Stucco

Plaster present on walls and ceilings throughout the building does not contain asbestos (samples S0002A-C and S0003A-E, photo 1 and 2).

Photo 1

Photo 2

4.1.7 Drywall Joint Compound

Drywall joint compound present on wall and ceiling finishes throughout the building does not contain asbestos (samples S0004A-E).

Photo 1

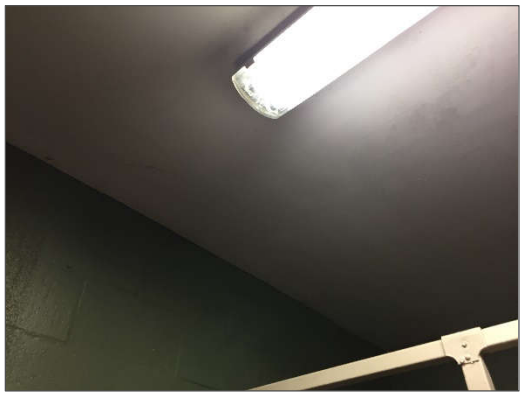


Photo 2

4.1.8 Vinyl Floor Tiles and Baseboard

Vinyl floor products are present as follows:

Description and Photo #	Sample Locations	Sample Number	Asbestos Type (tile)	Asbestos Type (mastic)
24” beige with fleck, photo 1	Supply Area (Location 3) and Open Area (Location 4)	S0005A-C	None Detected	None Detected

Description and Photo #	Sample Locations	Sample Number	Asbestos Type (tile)	Asbestos Type (mastic)
4” baseboard mastic, photo 2	Supply Area (Location 3), Open Area (Location 4) and Washroom (Location 5)	S0006A-C	N/A	None Detected

Photo 1

Photo 2

4.1.9 Sealants, Caulking, and Putty

The following table presents a summary of caulking, sealants and putties present:

Material, Colour and Photo #	Application	Sample Locations	Sample Number	Asbestos Type
Caulking, brown, photo 1	Around exterior windows	Exterior (Location 8)	S0007A-C	None Detected

Photo 1

4.1.10 Other Building Materials

Various colours of paint are present on concrete and block walls throughout the building does not contain asbestos (samples S0001A-E, photo 1 and 2).

Textured paint present on the exterior of the building does not contain asbestos (samples S0008A-C, photo 3).

Photo 1

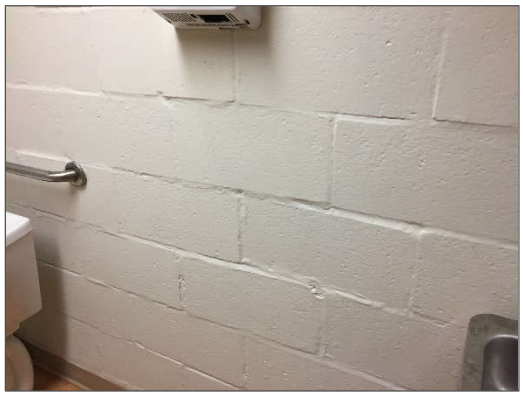


Photo 2

Photo 3

4.1.11 Excluded Materials

The following is a list of materials which may contain asbestos and was excluded from the assessment. These materials are presumed to contain asbestos until otherwise proven by sampling and analysis:

- Roofing felts and tar, mastics
- Floor levelling compound
- Electrical components
- Mechanical packing, ropes and gaskets

-
- Fire resistant doors
- Ropes and gaskets in cast-iron bell and spigot joints
- Sealants on pipe threads

4.2 Lead

4.2.1 Paints and Surface Coatings

The following table summarizes the analytical results of paints sampled.

Sample Number and Photo #	Colour, Substrate Description	Sample Location	Lead (%)
L0001, photo 1	Lime on concrete wall	Basement (Location 1)	0.61
L0002, photo 2	White on masonry wall	Washroom (Location 5)	6.2
L0003, photo 3	Beige on concrete floor	Woman's Washroom (Location 7)	<0.0069
L0004, photo 4	Beige on concrete floor	Men's Washroom (Location 6)	0.14
L0005, photo 5	Beige on concrete wall	Exterior (Location 8)	<0.0055

Results above 0.1% (1,000 mg/kg) are considered lead-containing, and over 0.5% (5,000 mg/kg) are considered lead-based.

Results less than or equal to 0.1% (1,000 mg/kg), but equal to or greater than 0.009% (90 mg/kg), are considered low-level lead paints or surface coatings in accordance with the EACC guideline.

Photo 1

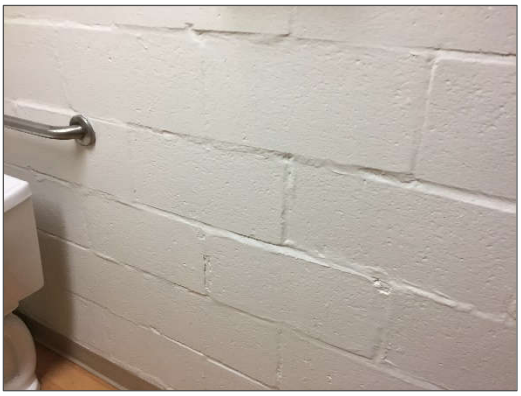


Photo 2

Photo 3

Photo 4

Photo 5

4.2.2 Lead Products and Applications

Lead-containing batteries are present in emergency lighting.

Lead caulking is present in bell and spigot fittings on cast iron pipes.

Photo 1

4.2.3 *Excluded Lead Materials*

Lead is known to be present in a number of materials which were not assessed or sampled. The following materials, where found, should be presumed to contain lead.

- Electrical components, including wiring connectors, grounding conductors, and solder
- Solder on pipe connections

4.3 Silica

Crystalline silica is known to be a component of the following materials:

- Poured or pre-cast concrete
- Masonry and mortar
- Plaster
- Drywall
- Ceiling tiles

4.4 Mercury

4.4.1 *Lamps*

Mercury vapour is present in fluorescent lamp tubes and other lighting that is known to contain mercury such as mercury vapour lamps.

4.4.2 *Mercury-Containing Devices*

Mercury-containing devices were not found during the assessment.

4.5 Polychlorinated Biphenyls

4.5.1 *Caulking and Sealants*

The following table presents a summary of caulking sampled:

Material, Colour and Photo #	Sample Location (Location #)	Sample Number	PCB concentration mg/kg
Caulking, brown, photo 1	Around exterior windows – Exterior (Location 8)	P0001	<0.2

Caulking in the table above is not considered a PCB solid based on the threshold (50 mg/kg).

Photo 1

4.5.2 Lighting Ballasts

Based on the date of construction, PCBs may be present in light ballasts.

4.5.3 Transformers

All transformers in the building are dry type transformers and do not contain PCB-containing dielectric fluids; however, may contain capacitors, which could not be assessed for PCBs as the equipment was in service.

4.6 Mould and Water Damage

Visible mould growth and water damage was not found during the assessment.

5.0 RECOMMENDATIONS

5.1 General

1. Prepare scope of work or performance specifications for hazardous material removal required for the planned work. The specifications should include, safe work practices, personal protective equipment, respiratory protection, and disposal of waste materials.
2. If suspected hazardous building materials are discovered during the planned work, which are not identified in this report, do not disturb and arrange for further testing and evaluation.
3. Conduct further investigation of the following items, areas or locations, which were not completed during this assessment:
    a. Any materials listed as exclusions from this report
    b. Assess the roof if it will be affected by the work

4. Provide this report and the detailed plans and specifications to the contractor prior to bidding or commencing work.
5. Retain a qualified consultant to specify, observe and document the successful removal of hazardous materials.
6. Update the asbestos inventory upon completion of the abatement and removal of asbestos-containing materials and any other relevant findings.

5.2 Remedial Work

The following remedial work is recommended regardless of the planned construction work due to the condition and location of the material.

Material, Quantity & Condition	Location	Recommended Procedure
Lead paint, 50SF, poor (delaminating/peeling and debris)	Basement (Location 1)	Clean up flaking paint following level 2 lead procedures.

5.3 Building Renovation Work

The following recommendations are made regarding renovation involving the hazardous materials identified.

5.3.1 Asbestos

Remove presumed asbestos-containing materials (ACM) prior to renovation, alteration, or maintenance if ACM may be disturbed by the work.

Asbestos-containing materials must be disposed of at a landfill approved to accept asbestos waste.

5.3.2 Lead

For lead-containing or lead-based paints (i.e., greater than the EACC guideline of 0.1% (1,000 mg/kg) for lead-containing paints, and 0.5% (5,000 mg/kg) for lead-based), construction disturbance may result in over-exposure to lead dust or fumes. The need for work procedures, engineering controls and personal protective equipment should be assessed on a site-specific basis to comply with Ministry of Labour, Training and Skills Development regulations and guidelines.

For paints identified as having low levels of lead (i.e., less than the EACC guideline of 0.1% (1,000 mg/kg) for lead-containing paints but equal to or above 0.009% (90 mg/kg)) special precautions are not recommended unless aggressive disturbance (grinding, blasting, torching) is planned. Exposure from construction disturbance of paints containing lead less than 0.009% (90 mg/kg) is assumed to be insignificant.

Lead-containing items should be recycled when taken out of service.

5.3.3 Silica

Construction disturbance of silica-containing products may result in excessive exposures to airborne silica, especially if performed indoors and dry. Cutting, grinding, drilling or demolition of materials containing silica should be completed only with proper respiratory protection and other worker safety precautions that comply with per applicable regulations and guidelines.

5.3.4 Mercury

Do not break lamps or separate liquid mercury from components. Recycle and reclaim mercury from fluorescent lamps when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable regulations.

5.3.5 PCBs

As light fixtures are removed from service, examine light ballasts for PCB content. If ballasts are not clearly labelled as “non-PCB” or are suspected to contain PCBs; package and ship ballasts for destruction at a federally permitted facility. As per the PCB Regulation (SOR/2008-273), all PCB light ballasts must be removed from service and properly disposed of by December 31, 2025.

6.0 TERMS AND LIMITATIONS

This work was performed subject to the Terms and Limitations presented or referenced in the proposal for this project.

Information provided by Pinchin is intended for Client use only. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law. Any use by a third party of reports or documents authored by Pinchin or any reliance by a third party on or decisions made by a third party based on the findings described in said documents, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted. No other warranties are implied or expressed.

7.0 REFERENCES

The following legislation and documents were referenced in completing the assessment and this report:

Ontario

1. Asbestos on Construction Projects and in Buildings and Repair Operations, Ontario Regulation 278/05.

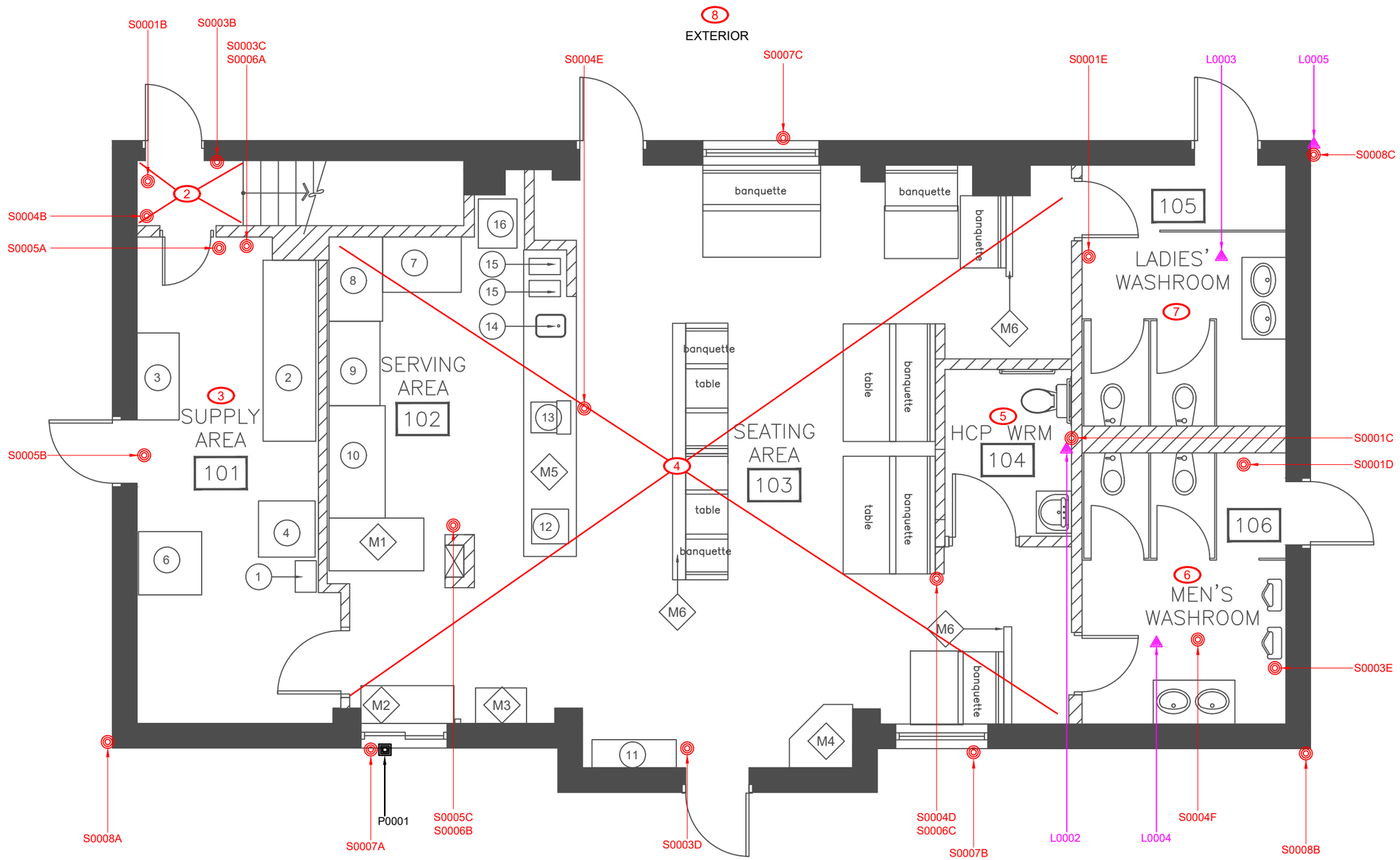
2. Designated Substances, Ontario Regulation 490/09.
3. Lead on Construction Projects, Ministry of Labour Guidance Document.
4. The Environmental Abatement Council of Canada (EACC) Lead Guideline for Construction, Renovation, Maintenance or Repair.
5. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 347 as amended.
6. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 362 as amended.
7. Silica on Construction Projects, Ministry of Labour Guidance Document.
8. Alert – Mould in Workplace Buildings, Ontario Ministry of Labour.

All jurisdictions

1. PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.
2. Surface Coating Materials Regulations, SOR/2016-193, Canada Consumer Product Safety Act.
3. Consolidated Transportation of Dangerous Goods Regulations, including Amendment SOR/2019-101, Transportation of Dangerous Goods Act.
4. Mould Guidelines for the Canadian Construction Industry, Standard Construction Document CCA 82 – 2004 (Revised 2018), Canadian Construction Association.
5. Ozone-depleting Substances and Halocarbon Alternatives Regulations, SOR/2016-137.

APPENDIX I

Drawings



N

LEGEND

- X — PINCHIN LOCATION NUMBER
- ASBESTOS BULK SAMPLE
- LEAD BULK SAMPLE
- PCB BULK SAMPLE

NOT ALL KNOWN OR SUSPECTED HAZARDOUS BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER

PINCHIN

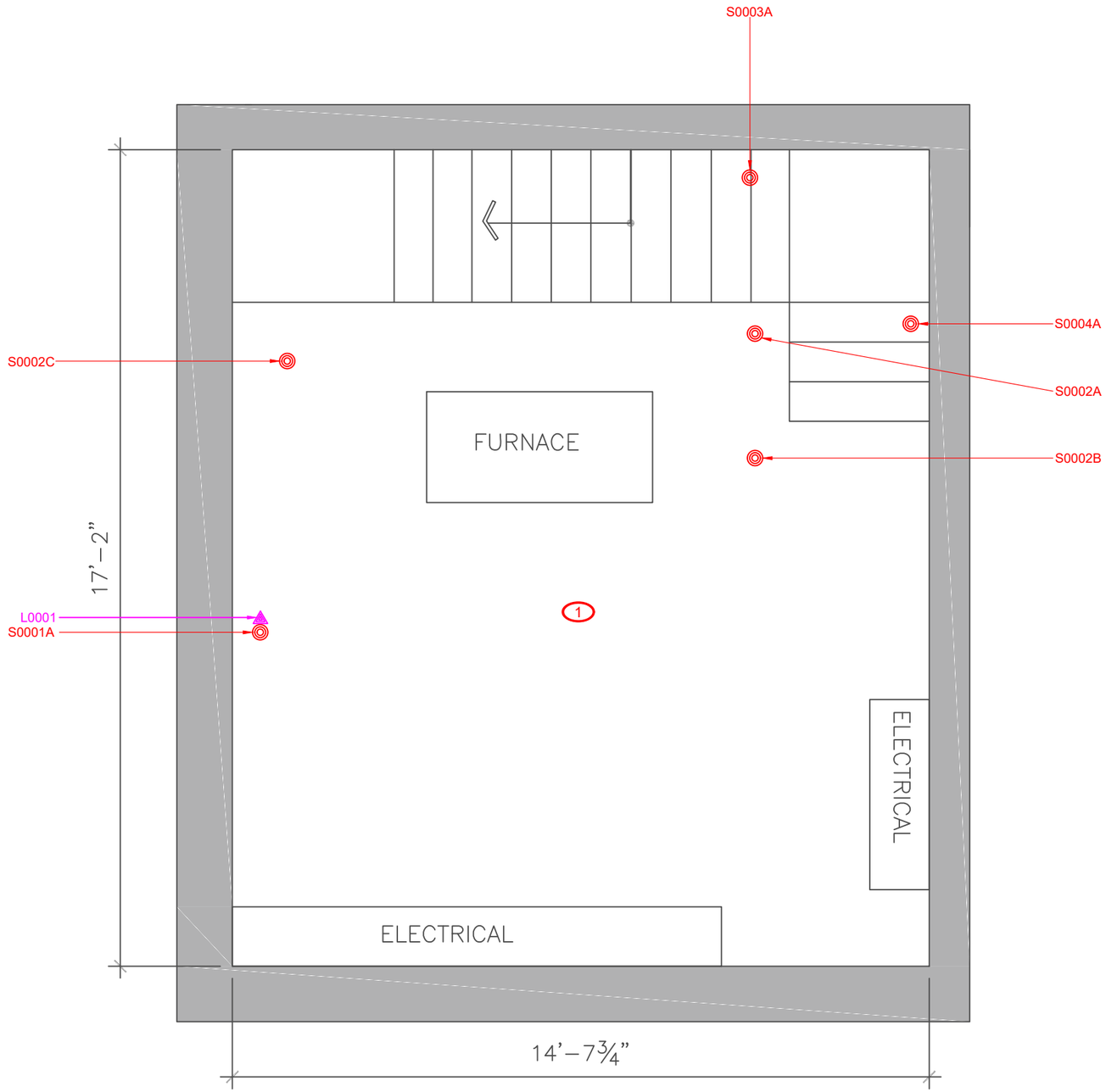
PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT

CLIENT NAME:
CITY OF HAMILTON

PROJECT LOCATION:
VICTORIA PARK
500 KING STREET WEST
HAMILTON, ONTARIO

FIGURE NAME:
FLOOR PLAN

PROJECT NUMBER:	SCALE:
286548.016	NOT TO SCALE
DRAWN BY: KU	REVIEWED BY: SH
DATE: DECEMBER 2021	FIGURE NUMBER: 1 OF 2



N

LEGEND

- X — PINCHIN LOCATION NUMBER
- ASBESTOS BULK SAMPLE
- LEAD BULK SAMPLE
- PCB BULK SAMPLE

NOT ALL KNOWN OR SUSPECTED HAZARDOUS BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER

PINCHIN

PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT

CLIENT NAME:
CITY OF HAMILTON

PROJECT LOCATION:
VICTORIA PARK
500 KING STREET WEST
HAMILTON, ONTARIO

FIGURE NAME:
BASEMENT

PROJECT NUMBER:	SCALE:
286548.016	NOT TO SCALE
DRAWN BY:	REVIEWED BY:
KU	SH
DATE:	FIGURE NUMBER:
DECEMBER 2021	2 OF 2

APPENDIX II-A

Asbestos Analytical Certificates

Project #: 286548.016
Site Location: n/a

Certificate of Analysis

BV LABS JOB # M1201-020
Report Date: 2021/12/07
Sample Matrix: Bulk
# of Samples Received: 27

Analyses	Laboratory Method	Analytical Method
Asbestos by PLM – 0.5 RDL (by layer)[1]	COR3SOP-0002	EPA 600R-93/116

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA and APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the reference standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of the services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that results from the information provided by the Client or their agent.

Solid samples results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Bureau Veritas Laboratories' Asbestos Laboratory is accredited by NVLAP for bulk asbestos analysis by polarized light microscopy, NVLAP Code 600163-0.

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Bureau Veritas Laboratories' scope of accreditation includes EPA-600/M4-82-020: "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and EPA-600/R-93/116: "Method for the Determination of Asbestos in Bulk Building Materials".

[1] The Asbestos Analysis is based on NIOSH 9002 method and EPA/600R-93/116 Method.

Bureau Veritas Asbestos - Simplified Report

BUREAU VERITAS

BV Job Number:	M1130-020	**Approved By:**	M. Vogt	**Approved On:**	6-Dec-21
Project File #:	286548.016	**Validated By:**	T.Kapur	**Validated On:**	7-Dec-21
Analyst:	M. Vogt	**Stat Checked By:**	J. Delos Santos	**Stat Checked On:**	7-Dec-21
Results Sent To:	Jessica Cozzitorto	**Send Email To:**	jcozzitorto@pinchin.com		

	Sample Description				Sample Components (%)			
Client Sample ID #:	**Sample Material**	**Sample Colour**	**Homogenous/ Non-Homogenous**	**Percent of Bulk Sample (%)**	**Asbestos Fibres**	**Non-Asbestos Fibres**	**Non-Fibrous Materials**	**Comments**
S0001A	Paint	Green/Grey	H	100	ND		NF 100	
S0001B	Paint	Green/Grey	H	100	ND		NF 100	
S0001C	Paint	Green/Yellow/Orange	H	100	ND		NF 100	
S0001D	Paint	Green	H	100	ND		NF 100	
S0001E	Paint	Green	H	100	ND		NF 100	
S0002A	Plaster	Grey	H	100	ND		NF 100	
S0002B	Plaster	Grey	H	100	ND		NF 100	
S0002C	Plaster	Grey	H	100	ND		NF 100	
S0003A L1	Plaster	White	H	5	ND		NF 100	
S0003A L2	Plaster	Grey	H	95	ND		NF 100	
S0003B L1	Plaster	White	H	70	ND		NF 100	
S0003B L2	Plaster	Grey	H	30	ND		NF 100	
S0003C L1	Plaster	White	H	50	ND		NF 100	
S0003C L2	Plaster	Grey	H	45	ND		NF 100	
S0003C L3	Mastic	Yellow	H	5	ND		NF 100	
S0004A	DJC	White	H	100	ND		NF 100	
S0004B	DJC	White	H	100	ND		NF 100	Drywall and Cellulose present
S0004C	DJC	White	H	100	ND		NF 100	Cellulose present
S0004D	DJC	White	H	100	ND		NF 100	Cellulose present
S0004E	DJC	White	H	100	ND		NF 100	Drywall and Cellulose present
S0004F	DJC	White	H	100	ND		NF 100	Drywall and Cellulose present
S0005A L1	VF	White	H	90	ND		NF 100	
S0005A L2	Mastic/LC	Yellow/Grey	H	10	ND		NF 100	
S0005B L1	VF	White	H	90	ND		NF 100	
S0005B L2	Mastic/LC	Yellow/Grey	H	10	ND		NF 100	
S0005C L1	VF	White	H	90	ND		NF 100	
S0005C L2	Mastic/LC	Yellow/Grey	H	10	ND		NF 100	
S0006A	Mastic	Yellow	H	100	ND		NF 100	Baseboard present
S0006B	Mastic	Yellow	H	100	ND		NF 100	Baseboard present
S0006C L1	Mastic	Yellow	H	40	ND		NF 100	Baseboard present
S0006C L2	CEM	Grey	H	60	ND		NF 100	
S0007A	Caulking	Brown	H	100	ND		NF 100	
S0007B	Caulking	Brown	H	100	ND		NF 100	
S0007C	Caulking	Brown	H	100	ND		NF 100	

Analyzed By: Monella Vogt

Validated By: Tarvinder Kapur

Stat Checked By: JD Santos

Index of Abbreviations:

Asbestos Fibres

ACT	Actinolite
AMOS	Amosite
ANTH	Anthophyllite
CHRY	Chrysotile
CROC	Crocidolite
LA	Libby Amphibole
TREM	Tremolite

Non-Asbestos Fibres

CEL	Cellulose
FG	Fibrous Glass
HR	Hair
MW	Mineral Wool
SYN	Synthethic Fibres
TL	Talc
WOL	Wollastonite

Non-Fibrous Materials

VERM	Vermiculite

Sample Description

CEM	Cementitious Material
CT	Ceiling Tile
DJC	Drywall Joint Compound
LC	Levelling Compund
TC	Texture Coat
VF	Vinyl Flooring
VFT	Vinyl Floor Tile
VSF	Vinyl Sheet Flooring

Other Abbreviations

(L1)	Layer 1
(L2)	Layer 2
(L3)	Layer 3
NA	Not Applicable
ND	Non Detected
NF	Non-Fibrous
H	Homogeneous
NH	Non-Homogeneous
SP	Stop Positive

M1130-020

lyzed by:

Instructions: Only analyze the paint for samples S0001A-E, do not analyze the plaster attached.

Reviewed by:

Report Sent by:

Pinchin Ltd. - Asbestos Laboratory
Internal Asbestos Bulk Sample Chain of Custody

Client Name:	[redacted]	**Project Address:**	[redacted]
Portfolio/Building No:	[redacted]	**Pinchin File:**	286548.016
Submitted by:	Stephen Holmquist	**Email:**	sholmquist@pinchin.com
CC Results to:	Jessica Cozzitorto	**CC Email:**	jcozzitorto@pinchin.com
Date Submitted:	November 26 2021	**Required by:**	December 6 2021
# of Samples:	27	**Priority:**	5 Day
Year of Building Construction (*Mandatory, Years ONLY*):			
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (*Mandatory Field*):			Pinchin
HMIS2 Building Reference #:			98831/2021112611244226956?

To be completed by Lab Personnel only

Lab Reference #:		**Time:**	09:07
Received by:		**Date:**	2021/11/30
Name(s) of Analyst(s):			

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0001	A	Paint,Loc:1,Basement
S	0001	B	Paint,Loc:2,Back Entrance
S	0001	C	Paint,Loc:5,Washroom
S	0001	D	Paint,Loc:6,Mens Washroom
S	0001	E	Paint,Loc:7,Women's Washroom
S	0002	A	Ceiling,Plaster,Loc:1,Basement
S	0002	B	Ceiling,Plaster,Loc:1,Basement

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0002	C	Ceiling,Plaster,Loc:1,Basement
S	0003	A	Wall,Plaster,Loc:1,Basement
S	0003	B	Wall,Plaster,Loc:2,Back Entrance
S	0003	C	Wall,Plaster,Loc:3,Supply Area
S	0003	D	Wall,Plaster,Loc:4,Open Area
S	0003	E	Wall,Plaster,Loc:6,Mens Washroom
S	0004	A	Ceiling,Drywall And Joint Compound,Loc:1,Basement
S	0004	B	Wall,Drywall And Joint Compound,Loc:2,Back Entrance
S	0004	C	Wall,Drywall And Joint Compound,Loc:3,Supply Area
S	0004	D	Wall,Drywall And Joint Compound,Loc:4,Open Area
S	0004	E	Ceiling,Drywall And Joint Compound,Loc:4,Open Area
S	0005	A	Floor,Vinyl Floor Tile And Mastic,24x24 Beige With Fleck,Loc:3,Supply Area
S	0005	B	Floor,Vinyl Floor Tile And Mastic,24x24 Beige With Fleck,Loc:3,Supply Area
S	0005	C	Floor,Vinyl Floor Tile And Mastic,24x24 Beige With Fleck,Loc:4,Open Area
S	0006	A	Mastic,Baseboard Mastic,Loc:3,Supply Area
S	0006	B	Mastic,Baseboard Mastic,Loc:4,Open Area

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0006	C	Mastic,Baseboard Mastic,Loc:4,Open Area
S	0007	A	Caulking,Brown Around Exterior Window,Loc:8,Exterior
S	0007	B	Caulking,Brown Around Exterior Window,Loc:8,Exterior
S	0007	C	Caulking,Brown Around Exterior Window,Loc:8,Exterior

Bulk Asbestos Analysis

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

NVLAP TESTING
NVLAP LAB CODE 200664-0

AIHA ACCREDITED LABS.ORG
Lab ID # 173190

Customer: Pinchin Ltd.
6-875 Main St West
Suite 200
Hamilton, Ontario L8S 4P9

Attn: Stephen Holmquist

Project: 286548.016 Victoria Park

Lab Order ID: 71981564
Analysis ID: 71981564_PLM
Date Received: 12/15/2021
Date Reported: 12/16/2021

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
S0008A	Textured paint on concrete wall - Location 8 - Exterior	None Detected		100% Other	Red, Gray Non Fibrous Heterogeneous
71981564PLM_1					Crushed
S0008B	Textured paint on concrete wall - Location 8 - Exterior	None Detected		100% Other	Red, Gray Non Fibrous Heterogeneous
71981564PLM_2					Crushed
S0008C	Textured paint on concrete wall - Location 8 - Exterior	None Detected		100% Other	Red, Gray Non Fibrous Heterogeneous
71981564PLM_3					Crushed

Megan Javonovich (3)

Analyst

Approved Signatory

71981564

Version 1-15-2012

Client:	Pinchin Ltd.	***Instructions:**
Contact:	Stephen Holmquist	*Use Column "B" for your contact info*
Address:	6-875 Main St W Hamilton ON	
Phone:	289.339.8072	*To See an Example Click the bottom Example Tab.*
Fax:		
Email:	sholmquist@pinchin.com	
		5
Project:	286548.016 Victoria Park	***Begin Samples with a "<< "above the first sample and end with a ">>" below the last sample.***
Client Notes:	COH	*Only Enter your data on the first sheet "Sheet1"*
P.O. #.	286548.016	*Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included*
Date Submitted:	Nov 26 2021	
Analysis:	PLM BULK EPA 600 - Stop Positive	*in the electronic data returned to you*
TurnAroundTime:	1 Day	*to facilitate your reintegration of the report data.*

Scientific Analytical Institute

4604 Dundas Dr.
Greensboro, NC 27407
Phone: 336.292.3888

Fax: 336.292.3313

Email: lab@sailab.com

<<	
S0008A	Textured paint on concrete wall - Location 8 - Exterior
S0008B	Textured paint on concrete wall - Location 8 - Exterior
S0008C	Textured paint on concrete wall - Location 8 - Exterior

Accepted ☑

Rejected ☐

Clin 12/15 10:30 AM

APPENDIX II-B

Lead Analytical Certificates

Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B

Customer: Pinchin Ltd.
6-875 Main St West
Suite 200
Hamilton, Ontario L8S 4P9

Attn: Stephen Holmquist

Project: 286548.016 Victoria Park City of Hamilton

Lab Order ID: 71980309
Analysis ID: 71980309_PBP
Date Received: 11/29/2021
Date Reported: 12/2/2021

Sample ID *Lab Sample ID*	Description *Lab Notes*	Mass *(g)*	Concentration *(ppm)*	Concentration *(% by weight)*
L0001 71980309PBP_1	Wall, Concrete (poured), Lime,Loc:1,Basement	0.0687	6100	**0.61%**
L0002 71980309PBP_2	Wall, Masonry, White,Loc:5,Washroom	0.0621	62000	**6.2%**
L0003 71980309PBP_3	Floor, Concrete (poured), Beige,Loc:7,Women's Washroom	0.0579	< 69	**< 0.0069%**
L0004 71980309PBP_4	Floor, Concrete (poured), Beige,Loc:6,Mens Washroom	0.0716	1400	**0.14%**
L0005 71980309PBP_5	Wall, Concrete (poured), Beige,Loc:8,Exterior	0.0724	< 55	**< 0.0055%**

Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 50ml sample is 4µg Total Pb). Unless indicated, areas and volumes were provided by the customer.

Melissa Ferrell (5)

Analyst **Laboratory Director**

7198309

Version 1-15-2012

Client:	Pinchin Ltd.
Contact:	Stephen Holmquist
Address:	6-875 Main St W Hamilton ON
Phone:	289.339.8072
Fax:	
Email:	sholmquist@pinchin.com
Project:	286548.016 Victoria Park
Client Notes:	City of Hamilton
P.O. #.	286548.016
Date Submitted:	Nov 26 2021
Analysis:	Paint Chips Flame AA
TurnAroundTime:	4 Day

Instructions:

Use Column "B" for your contact info

To See an Example Click the bottom Example Tab.

5

Begin Samples with a "<< "above the first sample and end with a ">>" below the last sample.

Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.

Scientific Analytical Institute

4604 Dundas Dr.
Greensboro, NC 27407
Phone: 336.292.3888
Fax: 336.292.3313
Email: lab@sailab.com

Sample Number	Data 1 (Lab use only)	Sample Description	Data 2 (Lab use only\)
<<			
L0001		Wall, Concrete (poured), Lime,Loc:1,Basement	
L0002		Wall, Masonry, White,Loc:5,Washroom	
L0003		Floor, Concrete (poured), Beige,Loc:7,Women's Washroom	
L0004		Floor, Concrete (poured), Beige,Loc:6,Mens Washroom	
L0005		Wall, Concrete (poured), Beige,Loc:8,Exterior	

Accepted ☑

Rejected ☐

JW Shuck 11-29 10:30

APPENDIX II-C

PCB Analytical Certificates

AEVITAS INC. (AYR)
ANALYTICAL CHEMISTRY DEPARTMENT
75 WANLESS COURT, AYR, ONTARIO, N0B 1E0, CANADA
WWW.AEVITAS.CA

Certificate of Analysis

Stephen Holmquist

Pinchin Ltd. (Hamilton)
11-875 Main Street West, Unit 11, Hamilton, ON L8S 4R9

Date of Issue: Dec 08, 2021

Report Description: ***1 solid sample was submitted for the following chemical analysis***

Project Name:	City of Hamilton HazMat	**Date Sampled:**	Nov 26, 2021
Project No.:	286548.016	**Date Tested:**	Dec 07, 2021
Site Location:	500 King St W Hamilton	**Sampled by:**	Stephen H

Report Number: 21-1980

No.	Analyte	Result	Units	MDL	Comments	Technique / Test Method
1	*Sample ID.:* ***P0001 Brown Around Exterior Window, Loc:,8***					
	PCBs in Solid	**<0.2**	mg/Kg	0.2		LAB-M06 (EPA 3550C/8082A modified)

Results relate only to the samples tested above, as received.

Approved By:

Son C.H. Le, *(Chem.)*
Lab Manager
Phone: (519) 740-1333 Ext.: 1030
Fax: (519) 740-2320
Email: SonLe@aevitas.ca

The Analytical Chemistry Laboratory of Aevitas Inc. (Ayr) is accredited for specific tests in accordance with the recognized International Standard ISO/IEC 17025:2017, by the Canadian Association for Laboratory Accreditation (CALA) Inc. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017). The laboratory quality management system of Aevitas Inc. (Ayr) also operates in accordance with the principles of ISO 9001.

All Analytical data is subject to uncertainty which, may vary with sample matrices, sample preparation techniques and instrumental parameters. As a general guideline, uncertainty may be expressed as approximately +/- 50% of the reported value at or near the Method Detection Limit (MDL) and +/-10% or less, of the reported result that is greater than 10 times the MDL. Method Detection Limits are defined as approximately 3 times the standard deviation value (at 99% confidence level), which is obtained from replicate analysis of a low-level standard as per the Ontario MOE - MISA Protocol for the Sampling and Analysis of Industrial / Municipal Wastewater (2016). MDL determination is based on undiluted samples with relatively low matrix interferences. Where dilutions are required, the reported MDL value will be scaled proportionally.

All testing procedures follow strict guidelines and quality assurance / quality control (QA/QC) protocols. QA/QC data is available for review at any time upon client's request.

APPENDIX III
Methodology

1.0 GENERAL

An inspection was conducted to identify the type of Hazardous Building Materials incorporated in the structure and its finishes.

Information regarding the location and condition of hazardous building materials encountered and visually estimated quantities were recorded. The locations of any samples collected were recorded on small-scale plans. As-built drawings and previous reports were referenced where provided.

Sample collection was conducted in accordance with our Standard Operating Procedures.

1.1 Asbestos

The inspection for asbestos included friable and non-friable asbestos-containing materials (ACM). A friable material is a material that when dry can be crumbled, pulverized or powdered by hand pressure.

A separate set of samples was collected of each type of homogenous material suspected to contain asbestos. A homogenous material is defined by the US EPA as material that is uniform in texture and appearance, was installed at one time, and is unlikely to consist of more than one type or formulation of material. The homogeneous materials were determined by visual examination and available information on the phases of construction and prior renovations.

Samples were collected at a rate that is in compliance with the requirements of local regulations and guidelines. The sampling strategy was also based on known ban dates and phase out dates of the use of asbestos; sampling of certain building materials is not conducted after specific construction dates. In addition, to be conservative, several years past these dates are added to account for some uncertainty in the exact start / finish date of construction and associated usage of ACM. In some cases, manufactured products such as asbestos cement pipe were visually identified without sample confirmation.

The asbestos analysis was completed using a stop-positive approach. Only one result meeting the regulated criteria was required to determine that a material is asbestos-containing, but all samples must be analyzed to conclusively determine that a material is non-asbestos. The laboratory stopped analyzing samples from a homogeneous material once a result equal to or greater than the regulated criteria is detected in any of the samples of that material. All samples of a homogeneous material were analyzed if no asbestos is detected. In some cases, all samples were analyzed in the sample set regardless of result.

The analysis was performed in accordance with Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, July 1993.

Analytical results were compared to the following criteria.

Jurisdiction*	Friable	Non-Friable
Ontario	0.5%	0.5%

* If there is a conflict between federal and provincial criteria, the more stringent will apply.

Where building materials are described in the report as “non-asbestos” or “does not contain asbestos”, this means that either no asbestos was detected by the analytical method utilized in any of the multiple samples or, if detected, it is below the lower limit of an asbestos-containing material in the applicable regulation. Additionally, these terms are used for materials which historically are known to not include asbestos in their manufacturing.

Asbestos materials were evaluated in order to make recommendations regarding any remedial work. The priority for remedial action was based on several factors:

- Friability (friable or non-friable);
- Condition (good, fair, poor, debris);
- Accessibility (ranking from accessible to all building users to inaccessible);
- Visibility (whether the material is obscured by other building components).
- Efficiency of the work (for example, if damaged ACM is being removed in an area, it may be most practical to remove all ACM in the area even if it is in good condition).

For a complete description of the Evaluation Criteria and Basis of Recommendations, refer to Annex A.

1.2 Lead

Samples of distinctive paint finishes, and surface coatings present in more than a limited application, where removal of the paint is possible was collected. The samples were collected by scraping the painted finish to include base and covering applications.

Analysis for lead in paints or surface coatings was performed in accordance with EPA Method No. 3050B/Method No. 7420; flame atomic absorption.

Analytical results were compared to the following criteria.

Jurisdiction*	Units (%)	Units (ppm) / (mg/kg)
Ontario	0.1	1000

* If there is a conflict between federal and provincial criteria, the more stringent will apply.

Other lead building products (e.g. batteries, lead sheeting, flashing) were identified by visual observation only.

1.3 Silica

Building materials known to contain crystalline silica (e.g. concrete, cement, tile, brick, masonry, mortar) were identified by visual inspection only. Pinchin did not perform sampling of these materials for laboratory analysis of crystalline silica content.

1.4 Mercury

Building materials, products or equipment (e.g. thermostats, barometers, pressure gauges, lamp tubes), suspected to contain mercury was identified by visually inspection only. Dismantling of equipment suspected of containing mercury was not performed. Sampling of these materials for laboratory analysis of mercury content was not performed.

1.5 Polychlorinated Biphenyls

The potential for light ballast and oil filled transformers to contain PCBs was based on the age of the building, a review of maintenance records and examination of labels or nameplates on equipment, where present and accessible. The information was compared to known ban dates of PCBs and Environment Canada publications.

Dry type transformers were presumed to be free of dielectric fluids and hence non-PCB.

Fluids (mineral oil, hydraulic, Aroclor or Askarel) in transformers or other equipment were not sampled for PCB content.

Caulking, sealants, or paints were sampled and submitted for PCB analysis following EPA 3550C/8082A.

Sample results are compared to the criteria of 50 mg/kg for solids as stated in the PCB Regulation, SOR/2008-273.

1.6 Visible Mould

The presence of mould or water damage was determined by visual inspection of exposed building surfaces. If any mould growth or water damage was concealed within building cavities it was not addressed in this assessment.

Template: Methodology for Hazardous Building Materials Assessment, HAZ, July 22, 2021

APPENDIX IV

Location Summary Report

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

LOCATIONS LIST

PINCHIN
1.855.PINCHIN www.pinchin.com

Client:City of Hamilton **Site: 500 King St W, Hamilton, ON**
Building Name: Victoria Park
Survey Date: **Last Re-Assessment:**

Location No.	Name or Description	Area ft^2	Floor No.	Bldg. Phase	Notes
1	Basement	300	B	A	
2	Back Entrance	10	1	A	
3	Supply Area	500	1	A	
4	Open Area	900	1	A	
5	Washroom	40	1	A	
6	Mens Washroom	200	1	A	
7	Women's Washroom	200	1	A	
8	Exterior	0		A	

APPENDIX V

Hazardous Materials Summary Report / Sample Log

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

HAZARDOUS MATERIALS SUMMARY / SAMPLE LOG

PINCHIN
1.855.PINCHIN www.pinchin.com

Client:City of Hamilton **Site: 500 King St W, Hamilton, ON** **Building Name: Victoria Park** **Surveyor: Stephen Holmquist** **Survey Date:**

HAZMAT	Sample No	System/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	S0001 ABCDE	Other | Paint |	1,2,5,6,7	A	0	0	0	100	None Detected	No	
Asbestos	S0002 ABC	Ceiling | Plaster |	1	A	0	300	0	0	None Detected	No	
Asbestos	S0003 ABCDE	Wall | Plaster |	1,2,3,4,6,7	A	0	0	0	100	None Detected	No	
Asbestos	S0004 ABCDE	Ceiling, Wall | Drywall And Joint Compound |	1,2,3,4,5,6,7	A	0	1350	0	100	None Detected	No	
Asbestos	S0005 ABC	Floor | Vinyl Floor Tile And Mastic | 24x24 Beige With Fleck	3,4	A	0	700	0	0	None Detected	No	
Asbestos	S0006 ABC	Other | Mastic | Baseboard Mastic	3,4,5	A	480	0	0	0	None Detected	No	
Asbestos	S0007 ABC	Other | Caulking | Brown Around Exterior Window	8	A	80	0	0	0	None Detected	No	
Asbestos	V0000	Ceiling | Ceiling Tile (mechanically Fastened) | Wood	2,5	A	0	40	0	0	Non Asbestos	No	
Asbestos	V0000	Floor | Laminate	4,5	A	0	740	0	0	Non Asbestos	No	
Paint	L0001	Wall | Concrete (poured) | Lime	1,2	A	0	0	0	100	Lead (High)	Yes	-
Paint	L0002	Wall | Masonry | White	5	A	0	0	0	1002	Lead (High)	Yes	-
Paint	L0003	Floor | Concrete (poured) | Beige	7	A	0	0	0	100		No	-
Paint	L0004	Floor | Concrete (poured) | Beige	6	A	0	0	0	100	Lead (High)	Yes	-
Paint	L0005	Wall | Concrete (poured) | Beige	8	A	0	0	0	100		No	-
Lead Product	V9000	Batteries In Emer. Lights	4	A	0	0	2	0	Lead Product	Yes	-
PCB	P0001	Caulking | Brown Around Exterior Windows	8	A	801	0	0	0	-	No	-
Hg	V9000	Fluorescent Light Tube	3,4,5,6,7	A	0	0	0	100	Hg	Yes	-

Legend:

Sample number	
S####	Asbestos sample collected
L####	Paint sample collected
P####	PCB sample collected
M####	Mould sample collected
V####	Material visually similar to numbered sample collected
V0000	Known non Hazardous Material
V9000	Material is visually identified as Hazardous Material
V9500	Material is presumed to be Hazardous Material

Units	
SF	Square feet
LF	Linear feet
EA	Each
%	Percentage

APPENDIX VI

HMIS All Data Report

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

ALL DATA REPORT

PINCHIN
1.855.PINCHIN www.pinchin.com

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #1 : Basement **Floor: B** **Room #:** **Area (sqft): 300**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		10			SF	S0004A	None Detected	N.D.	None	
Ceiling		Plaster			C	Y		300			SF	S0002ABC	None Detected	N.D.	None	
Duct	All	Not Insulated			A	Y										
Floor	All	Concrete (poured)			A	Y		300			SF					
Mechanical Equipment	Furnace	Not Insulated			A	Y										
Other		Paint			A	Y		80		20	%	S0001A	None Detected	N.D.	None	
Piping	All	Not Insulated			A	Y										
Structure	All	Concrete (poured)			C	N		300			SF					
Wall		Plaster			A	Y		100			%	S0003A	None Detected	N.D.	None	
Wall	All	Concrete (poured)			A	Y										

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #1 : Basement **Floor: B** **Room #:** **Area (sqft): 300**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete (poured)	100		%	L0001	Lime	Pb: 0.61 %	Lead (High)

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #2 : Back Entrance **Floor: 1** **Room #:** **Area (sqft): 10**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tile (mechanically fastened), Wood			C	Y		10				V0000	Non-Asbestos		None	
Floor	All	Concrete (poured)			A	Y		10			SF					
Other		Paint			A	Y		100			%	S0001B	None Detected	N.D.	None	
Structure	All	Wood			C	N		10			SF					
Wall		Drywall and joint compound			A	Y		100			%	S0004B	None Detected	N.D.	None	
Wall		Plaster			A	Y		100			%	S0003B	None Detected	N.D.	None	

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #2 : Back Entrance **Floor: 1** **Room #:** **Area (sqft): 10**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete (poured)	100		%	V0001	Lime	Pb: 0.61 %	Lead (High)

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #3 : Supply Area **Floor: 1** **Room #:** **Area (sqft): 500**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Floor		Vinyl Floor Tile and Mastic, 24x24 beige with fleck			A	Y		500			SF	S0005AB	None Detected	N.D.	None	
Mechanical Equipment	Domestic Hot Water Tank	Not Insulated			A	Y										
Other		Mastic, Baseboard mastic			A	N		100			LF	S0006A	None Detected	N.D.	None	
Structure	All	Wood			C	N		500			SF					
Wall		Drywall and joint compound			A	Y		100			%	S0004C	None Detected	N.D.	None	
Wall		Plaster			A	Y		100			%	S0003C	None Detected	N.D.	None	

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #3 : Supply Area **Floor: 1** **Room #:** **Area (sqft): 500**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
FLUORESCENT LIGHT TUBE	100	%	V9000	Yes

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #4 : Open Area **Floor: 1** **Room #:** **Area (sqft): 900**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		900			SF	S0004E	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 24x24 beige with fleck			A	Y		200			SF	S0005C	None Detected	N.D.	None	
Floor		Laminate, Wood pattern			A	Y		700			SF	V0000	Non-Asbestos		None	
Other		Mastic, Baseboard mastic			A	N		300			LF	S0006BC	None Detected	N.D.	None	
Structure	All	Wood			C	N		900			SF					
Wall		Drywall and joint compound			A	Y		100			%	S0004D	None Detected	N.D.	None	
Wall		Plaster			A	Y		100			%	S0003D	None Detected	N.D.	None	
Wall		Masonry			A	Y										

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #4 : Open Area **Floor: 1** **Room #:** **Area (sqft): 900**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	2	EA		Yes

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #4 : Open Area **Floor: 1** **Room #:** **Area (sqft): 900**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
FLUORESCENT LIGHT TUBE	100	%	V9000	Yes

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #5 : Washroom **Floor: 1** **Room #:** **Area (sqft): 40**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tile (mechanically fastened), Wood			C	N		40			SF	V0000	Non-Asbestos		None	
Ceiling		Drywall and joint compound			C	Y		40			SF	V0004	None Detected	N.D.	None	
Floor		Laminate, Wood pattern			A	Y		40			SF	V0000	Non-Asbestos		None	
Other		Paint			A	Y		100			%	S0001C	None Detected	N.D.	None	
Other		Mastic, Baseboard mastic			A	N		80			LF	V0006	None Detected	N.D.	None	
Piping		Fibreglass			C	N										
Structure	All	Wood			C	N		40			SF					
Wall		Drywall and joint compound			A	Y		100			%	V0004	None Detected	N.D.	None	
Wall		Masonry			A	Y										

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #5 : Washroom **Floor: 1** **Room #:** **Area (sqft): 40**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	1002		%	L0002	White	Pb: 6.2 %	Lead (High)

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #5 : Washroom **Floor: 1** **Room #:** **Area (sqft): 40**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
FLUORESCENT LIGHT TUBE	100	%	V9000	Yes

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #6 : Mens Washroom **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		200			SF	V0004	None Detected	N.D.	None	
Floor		Concrete (poured)			A	Y										
Other		Paint			A	Y		100			%	S0001D	None Detected	N.D.	None	
Piping		Not Insulated			A	Y										
Structure	All	Wood			C	N		200			SF					
Wall		Plaster			A	Y		100			%	S0003E	None Detected	N.D.	None	
Wall		Masonry			A	Y										

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #6 : Mens Washroom **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Floor	Concrete (poured)	100		%	L0004	Beige	Pb: 0.14 %	Lead (High)

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #6 : Mens Washroom **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
FLUORESCENT LIGHT TUBE	100	%	V9000	Yes

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #7 : Women's Washroom **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		200			SF	V0004	None Detected	N.D.	None	
Floor		Concrete (poured)			A	Y										
Other		Paint			A	Y		100			%	S0001E	None Detected	N.D.	None	
Piping		Not Insulated			A	Y										
Structure	All	Wood			C	N		200			SF					
Wall		Plaster			A	Y		100			%	V0003	None Detected	N.D.	None	
Wall		Masonry			A	Y										

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #7 : Women's Washroom **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Floor	Concrete (poured)	100		%	L0003	Beige	Pb: <0.0069 %	No

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #7 : Women's Washroom **Floor: 1** **Room #:** **Area (sqft): 200**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
FLUORESCENT LIGHT TUBE	100	%	V9000	Yes

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #8 : Exterior **Floor:** **Room #:** **Area (sqft): 0**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

ASBESTOS

System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Other		Caulking, Brown around exterior window			A	Y		80			LF	S0007ABC	None Detected	N.D.	None	

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #8 : Exterior **Floor:** **Room #:** **Area (sqft): 0**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete (poured)	100		%	L0005	Beige	Pb: <0.0055 %	No

Client: City of Hamilton **Site: Hamilton** **Building Name: Victoria Park**
Location: #8 : Exterior **Floor:** **Room #:** **Area (sqft): 0**
Survey Date: 2021-11-26 **Last Re-Assessment: 0000-00-00**

PCB

Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
CAULKING	801	LF	P0001	Brown around exterior windows	<0.2 mg/kg	No

Legend:

Sample number	
S####	Asbestos sample collected
L####	Paint sample collected
P####	PCB sample collected
M####	Mould sample collected
V####	Material is visually identified to be identical to S####
V0000	Known non hazardous material
V9000	Material visually identified as a Hazardous Material
V9500	Material is presumed to be a hazardous material

Units	
SF	Square feet
LF	Linear feet
EA	Each
%	Percentage
LF	Linear feet

Other	
A	Access
V	Visible
AP	Air Plenum
F	Friable material
NF	Non Friable material
PF	Potentially Friable material
Pb	Lead
Hg	Mercury
As	Arsenic
Cr	Chromium

Access	
A	Accessible to all building occupants
B	Accessible to maintenance and operations staff without a ladder
C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas
D	Not normally accessible

Condition	
Good	No visible damage or deterioration
Fair	Minor, repairable damage, cracking, delamination or deterioration
Poor	Irreparable damage or deterioration with exposed and missing material

Action					
(1)	Clean up of ACM Debris	(2)	Precautions for Access Which may Disturb ACM Debris	(3)	ACM removal
(4)	Precautions for Work Which may Disturb ACM in Poor Condition	(5)	Proactive ACM removal (Minimum repair required for fair condition)	(6)	ACM repair
(7)	Management program and surveillance				