

ASBESTOS-CONTAINING BUILDING MATERIALS RE-ASSESSMENT REPORT

Leslie Frost Public School

51 Angeline Street South
Lindsay, Ontario

Presented to:

Trillium Lakelands District School Board

Box 420, County Road 36
Lindsay, Ontario
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Attention: Daniel Whalen

September 2020

Maple Project No. 18736-37

Executive Summary

2020 Asbestos-Containing Building Materials Re-Assessment Report

Maple Project	School Name	Address
18736-37	Leslie Frost Public School	51 Angeline Street South Lindsay, Ontario

Maple Environmental Inc. was retained by Trillium Lakelands District School Board to perform a re-assessment of known asbestos-containing building materials within the subject building.

The findings and recommendations of the current assessment are summarized below. Please refer to the main body of the report for details.

FINDINGS

Asbestos-containing materials (ACM) identified within the building at the time of the assessment are as follows:

ASBESTOS BUILDING MATERIALS SUMMARY								
MATERIAL		ASBESTOS			FRIABILITY			Remedial Work Required
		Yes	No	Suspect	Friable	Non-Friable	Potentially	
Sprayed Fireproofing			X		X			NO
Textured Finish			X		X			NO
Mechanical Insulations	Pipe Fittings	X			X			NO
	Pipe Straight	X			X			NO
	Ductwork		X		X			NO
	Mechanical Equip.		X		X			NO
Ceiling Tiles			X				X	NO
Vinyl Sheet Flooring			X				X	NO
Vinyl Floor Tiles			X			X		NO
Asbestos Cement (Transite)		X				X		NO
Plaster			X				X	NO
Drywall Joint Compound			X			X		NO
Other (caulking, roofing, etc.)		X		X				NO

Please refer to Room by Room Inventory in Appendix I to view location, quantities, and condition of ACM observed within the building at the time of the assessment.

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2020 Asbestos-Containing Building Materials Re-Assessment Report

RECOMMENDATIONS

As asbestos-containing materials were found to be present within the building, Ontario Regulation 278/05 requires that the Trillium Lakelands District School Board's Asbestos Management Plan must apply to this building. In addition, an annual re-assessment of all ACM must be performed.

All asbestos-containing materials identified within the building were observed to be in GOOD condition and therefore no immediate recommendations are warranted.

General Statement

This report should be read in its entirety and is not a stand-alone report. Please refer to the Trillium Lakelands District School Board Overview Report provided under a separate cover to review information relevant to Regulations, Inventory Scope and Methodology, Sampling Strategies, Analytical Methods, Assessment Criteria, and the assessment limitations. Further, this Executive Summary must be read in conjunction with the main body of this report below.

TABLE OF CONTENTS

EXECUTIVE SUMMARY	<i>i</i>
1.0 INTRODUCTION	1
2.0 APPLICABLE ONTARIO REGULATIONS.....	1
2.1 ONTARIO REGULATION 278/05 (ASBESTOS)	1
2.2 ONTARIO REGULATION 347	2
3.0 SURVEY SCOPE AND METHODOLOGY.....	2
3.1 INVENTORY METHODOLOGY.....	3
3.2 ASBESTOS ASSESSMENT CRITERIA	3
3.3 LIMITATIONS AND OMISSIONS FROM SCOPE	4
3.4 SAMPLING STRATEGY AND ANALYTICAL METHODS	5
3.5 DRAWINGS	6
4.0 INVENTORY FINDINGS.....	6
4.1 SPRAYED FIREPROOFING (FRIABLE).....	7
4.2 THERMAL MECHANICAL INSULATION (FRIABLE)	7
4.3 TEXTURE FINISH (FRIABLE)	7
4.4 ACOUSTIC CEILING TILES (POTENTIALLY FRIABLE)	8
4.5 VINYL SHEET FLOORING (POTENTIALLY FRIABLE).....	8
4.6 VINYL FLOOR TILE (NON-FRIABLE)	8
4.7 ASBESTOS CEMENT PRODUCTS "TRANSITE" (NON-FRIABLE)	8
4.8 DRYWALL JOINT COMPOUND (DJC)	8
4.9 PLASTER	8
4.10 OTHER	8
5.0 RECOMMENDATIONS.....	9
5.1 GENERAL RECOMMENDATIONS	9
5.2 SPECIFIC RECOMMENDATIONS	9
6.0 LIMITATIONS.....	9
 APPENDIX I	 ROOM-BY-ROOM ASBESTOS INVENTORY
APPENDIX II	DRAWINGS
APPENDIX III	POTENTIAL ASBESTOS-CONTAINING MATERIAL IDENTIFICATION SHEET

1.0 INTRODUCTION

MAPLE Environmental Inc. ("MAPLE") was retained by the Trillium Lakelands District School Board (TLDSB) to perform a re-assessment of known asbestos-containing building materials within all TLDSB schools where asbestos was previously confirmed to be present (by others).

The assessment was completed in accordance with the requirement of Ontario Regulation 278/05 to complete a re-assessment on an annual basis.

The following report presents the findings and recommendations of the assessment for the specific building listed.

SUMMARY OF BUILDING INFORMATION	
School Name:	Leslie Frost Public School
Building Address:	51 Angeline Street South, Lindsay, Ontario
Number of Floors:	1 (no basement)
Approximate Square Footage:	30,450
Assessed by:	Richards Reboks
Assessment Date:	July 29, 2020

2.0 APPLICABLE ONTARIO REGULATIONS

Applicable Ontario Regulations for each of the materials included in the investigation are briefly described below.

2.1 Ontario Regulation 278/05 (Asbestos)

The Ontario Ministry of Labour Regulation 278/05 requires a detailed asbestos inventory be performed in all buildings where friable and non-friable asbestos-containing materials (ACM) are present. The inventory must be available at the work place and must identify the type and location of asbestos-containing materials on a room-by-room basis, where necessary.

Each individual building report prepared by MAPLE meets or exceeds the requirements for an asbestos survey under Ontario Regulation 278/05.

Ontario Regulation 278/05 applies to buildings with regards to maintenance, renovation or demolition work where ACM is present and may be disturbed. The regulation requires all buildings where asbestos is known to be part of the building materials to implement an Asbestos Management Program (AMP). TLDSB has prepared and maintains an AMP of which the current Re-Assessment report is part of.

2.2 Ontario Regulation 347

Ontario Regulation 347 applies to the transport of waste from the location of generation to a landfill site authorized to receive specific wastes. The regulation also prescribes procedures on how the specific wastes are to be handled at the landfill site.

The major requirements of the building owner and the person(s) removing the waste are to ensure that:

- The waste is appropriately packaged and labelled;
- The transport vehicle is appropriately placard; and
- The waste is to be transported as directly as possible to the landfill site once it leaves the site.

Some wastes require the Owner to register a Generator (of waste) number and many wastes require classification that can restrict or even prohibit their disposal in landfill.

It is important to note that the building owner can be held responsible for the waste until the waste disposal site accepts it.

3.0 SURVEY SCOPE AND METHODOLOGY

The surveys were performed on a Room-by-Room basis within each building included in the scope of the assessment where asbestos was previously identified (by others).

The scope of the surveys included all friable and major non-friable materials suspected to contain asbestos. The term friable is applied to a material that can be readily reduced to dust or powder by hand or moderate pressure. Asbestos materials that are friable have a much greater potential to release airborne asbestos fibres when disturbed.

Typical friable asbestos materials include; sprayed fireproofing or thermal insulation, textured (stippled) plaster, and thermal mechanical insulation. Typical non-friable materials include: asbestos cement (transite) products, caulking, vinyl floor tiles, asbestos textiles and gaskets. Additional materials such as ceiling tiles and drywall joint compounds are classified as non-friable, but because of their ability to release dust when disturbed they are considered as "potentially friable" for the purpose of this report.

3.1 Inventory Methodology

In order to determine the location of the materials included in the assessment, each room or area was entered where practical (i.e.: where access was possible without the demolition of walls, roof or ceilings or destruction of flooring) where asbestos materials were previously identified. An investigation of areas of the building where asbestos was not previously identified was not included in the scope of the current project.

Representative views were made above accessible suspended ceiling systems. Drywall or plaster ceilings were accessed via existing ceiling access panels only. The inventory did not include destructive testing of building systems or finishes to observe possible hidden conditions.

3.2 Asbestos Assessment Criteria

The recommendations and suggestions made as part of this report with respect to asbestos have taken into consideration the condition and accessibility of the asbestos-containing material as well as other factors such as water damage, vibration, air movement, and general activities in the area.

Where ACM is found to be in GOOD condition and not likely to deteriorate or fall, the general recommendation would be to re-evaluate the condition of the material on an annual basis (required by Regulation 278/05). This recommendation can be subject to change if the material is located in a manner that persons untrained in asbestos awareness could physically damage it.

Where the ACM is found to be damaged (i.e. FAIR or POOR condition), a recommendation to have the material cleaned-up, repaired, removed, enclosed, or encapsulated is offered. The recommendation will also indicate which asbestos procedure should be used to perform the remedial work (i.e. Type 1, Type 2, Type 3, or Glove Bag Removal Methods).

In each area or room inventoried, the quantity, condition (GOOD, FAIR, or POOR) and accessibility (A, B, C, D or E) of each suspect material was recorded.

The definitions for condition and accessibility items are as follows:

GOOD Material is intact with no visible signs of damage.

FAIR Material is visibly damaged but can be repaired.

POOR Material is damaged beyond repair and likely needs to be removed.

Access A Accessible to all occupants of the building.

- Access B** Accessible to Maintenance personnel without the use of a ladder (i.e. Mechanical Room, pipe chase etc.).
- Access C** Accessible to Maintenance personnel with the use of a ladder and is exposed to view without removing building components.
- Access D** Accessible to Maintenance personnel with the use of a ladder and is concealed from viewing due to a building component (i.e. above a removable ceiling).
- Access E** Not accessible without demolition of a building component (i.e. above a fixed ceiling system).

The asbestos related information collected during the previous assessments was confirmed and the room-by-room data updated to reflect the current information.

3.3 Limitations and Omissions from Scope

Due to the nature of building construction, some limitations exist in regards to the possible thoroughness of any building materials inventory. The field observations, measurements, and analysis are considered sufficient in detail and scope to form a reasonable basis for the findings presented in this report. MAPLE warrants that the findings and conclusions contained herein have been made in accordance with generally accepted evaluation methods in the industry and applicable regulations at the time of the performance of the inventory.

It is possible that conditions may exist which could not be reasonably identified within the scope of the inventory or which were not apparent during the site investigation. MAPLE believes that the information collected during the inventory period concerning the property is reliable. No other warranties are implied or expressed.

In addition, during a standard asbestos assessment, performed for the purposes of regulatory compliance, it is industry practice to exclude some non-friable materials in the inventory. Examples of such assumptions include; elevator brakes, roofing felts and mastics, high voltage wiring, mechanical packing and gaskets, underground services or piping, fire-doors, window caulking, levelling compound, and/or materials used in operating equipment. As such, these materials were not sampled at the time of this survey and where present are assumed to be asbestos containing until proven otherwise.

3.4 Sampling Strategy and Analytical Methods

As the majority of materials were previously sampled by others, the requirement for sampling during the current survey was limited. Where samples were collected, they conformed to the criteria outlined below and in compliance with O. Reg. 278/05.

A small volume of the material was removed either from a damaged section or cut out of intact material and then repaired by sealing with tape to prevent the release of fibres. The collected samples were placed in plastic bags, sealed and labelled and then sent to an independent laboratory for analysis. To ensure quality results, the independent laboratory chosen is NVLAP accredited and successfully participates in an "Asbestos Proficiency Analytical Testing Program" and as such, these laboratories are responsible for their findings.

The collection of samples was performed in accordance with regulatory sampling requirements and with sufficient frequency to obtain a general pattern of asbestos use within the building. Due to building renovations or modifications that have occurred, the consistency of the application of asbestos materials may not be uniform throughout the entire building. It is important to note that without sampling every wall, pipe section, ceiling tile etc. it is not possible to identify the possible asbestos content in every material present in the building. For this reason, materials similar in appearance to those sampled elsewhere in the building were visually identified as being homogeneous and thus are assumed to be composed of the same material, thus additional sampling is not required.

In accordance with Reg. 278/05, samples were collected at the following frequency.

Material Type	No. Samples
Sprayed Fireproofing	Up to 7
Texture Coat	Up to 7
Pipe Fitting Insulation	3
Pipe Straight Insulation	3
Ductwork Insulation	3
Ceiling Tiles	3
Vinyl Sheeting Flooring	3
Vinyl Floor Tile	3
Plaster Finishes	Up to 7
Drywall Compound	Up to 7

An independent NVLAP accredited laboratory, was used to analyse the collected samples. Analysis was performed following the Code of Practice for the identification of asbestos in bulk material, as detailed in Ontario Regulation 278/05. Bulk samples were analysed using the Polarized Light Microscopy ("PLM") Technique with Dispersion Staining. The identification of asbestos fibre in bulk material is based on a collective set of parameters dependent on the unique shape and crystallographic properties of each fibre as viewed through the microscope. This method is useful for the qualitative identification of asbestos and the semi-quantitative determination of asbestos content in bulk materials expressed as a percent of projected area. The method identifies types of asbestos and also measures percent of asbestos as perceived by the analyst in comparison to standard area projections or trained experience.

Given the composition of some vinyl floor products, the PLM analysis method is often prone to yielding false negative analysis results. Therefore it may be prudent that the Transmission Electron Microscopy (TEM) analysis method be used to determine the asbestos content in the vinyl floor products, if negative results are obtain from the laboratory analysis.

3.5 Drawings

Drawings provided for each building indicate the following (where present):

- ◇ Location Numbers (reference to Room-by-Room asbestos data)
- ◇ Asbestos-Containing Sprayed Fireproofing
- ◇ Asbestos-Containing Texture Finishes
- ◇ Asbestos Containing Ceiling Tiles
- ◇ Asbestos-Containing Flooring Materials
- ◇ Presence of Asbestos-Containing Mechanical Insulations will not be specifically indicated on the drawings; however, a general statement regarding the presence of ACM mechanical insulations, where present, has been indicated on the drawings.
- ◇ Presence of asbestos-containing drywall joint compound and hard plaster will not be specifically identified on the drawings; however, a general statement regarding the presence of these ACM materials, where present, has been indicated on the drawings.

4.0 INVENTORY FINDINGS

The following is a brief discussion of the extent to which Asbestos-Containing Materials (ACM) was identified in the building. The discussion is organized under the headings of materials that are generally suspected of containing asbestos. Refer to the Room-by-Room Survey Inventory in Appendix I for a detailed description and location of all ACM.

Destructive testing was not conducted and as such some areas within the building were not accessible for an assessment (i.e. above solid ceilings, behind walls). Access for viewing within wall and ceiling cavities was not always possible. Suspect asbestos materials may be present within ceiling and wall cavities that were not identified in this report. This comment is particularly important for materials such as mechanical insulation. Caution should be taken when demolishing solid wall finishes within the building.

4.1 Sprayed Fireproofing (Friable)

No sprayed fireproofing was observed in the building.

4.2 Thermal Mechanical Insulation (Friable)

Asbestos and non-asbestos mechanical insulations were identified in the building. A brief description of the insulations is provided below categorized by mechanical system type. Further, it is important to note that mechanical systems may be present within walls and ceiling cavities or pipe chases that were not accessible during this assessment. The presence of ACM mechanical insulations in these locations should be suspected.

Pipe Systems:

Pipe Fittings, including elbows, valves, tees, hangers, etc. where insulated are insulated with parging cement previously confirmed to contain Chrysotile asbestos or are insulated with non-asbestos materials (i.e. Fibreglass). All insulation observed on the pipe fittings were found to be in GOOD condition.

Pipe Straights, where insulated are insulated with an asbestos-containing insulation known as "Aircell" which was previously found to contain Chrysotile asbestos. All Aircell pipe straight insulation were found to be in GOOD condition. The remaining pipe straights were noted to be insulated with non-asbestos materials (i.e. Fibreglass).

Ductwork:

Duct systems were either insulated with non-asbestos fibreglass or were un-insulated.

Mechanical Equipment:

Mechanical equipment was observed to be externally un-insulated.

4.3 Texture Finish (Friable)

No asbestos-containing texture finishes were identified to be present within the building.

4.4 Acoustic Ceiling Tiles (Potentially Friable)

No asbestos-containing ceiling tiles were identified to be present within the building.

4.5 Vinyl Sheet Flooring (Potentially Friable)

No asbestos-containing vinyl sheet flooring was identified to be present within the building.

4.6 Vinyl Floor Tile (Non-Friable)

No asbestos-containing vinyl floor tiles were identified to be present within the building.

4.7 Asbestos Cement Products "Transite" (Non-Friable)

Asbestos-containing transite is present in the form of panels on the exterior soffit. All transite was found to be in GOOD condition. Refer to the Room-by-Room Inventory in Appendix I for details regarding location and quantity.

4.8 Drywall Joint Compound (DJC)

While previous sample results indicated drywall joint compound sampled at the Site does not contain asbestos, it should be noted that the concentration of asbestos within drywall joint compound is historically known to be potentially inconsistently distributed. Further, it is possible that various phases of construction and renovations have occurred at the Site. Therefore, the number of samples previously collected may not be representative of all drywall joint compound finishes in the building.

4.9 Plaster

While sample results indicated all plaster finishes sampled at the Site to not contain asbestos, note that the concentration of asbestos within plaster is historically known to be potentially inconsistently distributed. Further, it is possible that various phases of construction and renovations have occurred at the Site. Therefore, the number of samples collected may not be representative of all plaster finishes on Site. Prior to the disturbance of any plaster finishes, it is recommended that additional area specific bulk samples be collected.

Should plaster finishes be identified in rooms not accessed by Maple, collection and analysis of the plaster is required.

4.10 Other

Asbestos-containing caulking was identified by the deck in the Boy's Washroom (eBase # 103) and the Girl's Washroom (eBase # 104). All identified caulking was found to be in GOOD condition. Refer to the Room-by-Room Inventory in Appendix I for details regarding location and quantity.

5.0 RECOMMENDATIONS

5.1 General Recommendations

Due to the presence of ACM within the building, TLDSB must maintain their existing Asbestos Management Program for this property.

A re-assessment of known ACM is to be conducted at least once annually.

It is important to note that due to the presence of solid walls and ceiling systems, ACM may be present in concealed locations not identified in this report.

The assessment confirmed the presence of ACM mechanical insulations within the building (Refer to room-by-room Inventory for condition and quantities). Should any proposed renovations likely cause disturbance of the mechanical insulations, the materials would require removal using Type 2, Type 3 or Glove Bag Asbestos procedures as appropriate for the work being performed.

If asbestos-containing caulking is likely to be disturbed, the caulking should be removed using Type 1 Asbestos procedures.

Removal or disturbance of transite cement products requires the use of Type 1 Asbestos procedures (provided no power tools are used and the material is wetted). If power tools are required Type 3 Asbestos procedures need be applied.

Materials suspected of containing asbestos should be sampled prior to disturbance. Suspect materials include; drywall joint compound, plaster, roofing materials, caulking, etc. unless previously confirmed to contain asbestos.

5.2 Specific Recommendations

All asbestos-containing materials identified within the building were observed to be in GOOD condition and therefore no immediate recommendations are warranted.

6.0 LIMITATIONS

Due to the nature of building construction some limitations exist as to the possible thoroughness of the subject investigation. The field observations

are considered sufficient in detail and scope to form a reasonable basis for the findings presented in this report. MAPLE warrants that the findings and conclusions contained herein have been made in accordance with generally accepted evaluation methods in the industry and applicable regulations at the time of the performance of the assessment.

It is possible that conditions may exist which could not be reasonably identified within the scope of the investigation or which were not apparent during the site investigation. MAPLE believes that the information collected during the investigation period concerning the property is reliable. No other warranties are implied or expressed.

Information provided by Maple is intended for Client use only. Any use by a third party, of reports or documents authored by Maple, 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. Maple accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted.

The liability of Maple or its staff will be limited to the lesser of the fees paid or actual damages incurred by the Client. Maple will not be responsible for any consequential or indirect damages. Maple will only be liable for damages resulting from negligence of Maple; all claims by the Client shall be deemed relinquished if not made within two years after last date of services provided.

Please contact Maple Environmental Inc. at (905) 257-4408 for inquiries regarding this project.

Sincerely,

MAPLE ENVIRONMENTAL INC.
Environment, Health and Safety Consultants

Prepared By:



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Kyle Prosser
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APPENDIX I
ROOM-BY-ROOM ASBESTOS INVENTORY

APPENDIX I - ROOM BY ROOM ASBESTOS INVENTORY



STRUCTURAL ELEMENT	ACCESSIBILITY	TERMINOLOGY			
RF: Roof WN: Window FL: Floor CL: Ceiling WL: Wall DK: Deck	B/J: Beams/Joists CB: Chalkboard PI: Pipe DT: Duct BL: Boiler MC: Mechanical	ACM: Asbestos Containing Material CT: Ceiling Tile DJC: Drywall Joint Compound FTG: Fitting LF: Linear Feet G: Good F: Fair P: Poor	N/A: Not Applicable N/Anz: Not Analyzed N/D: None Detected PI-AC: Pipe Insulation - Aircell PI-PC: Pipe Insulation-Parging Cement PI-CP: Pipe Insulation-Capostite	PL: Plaster RM: Roofing Materials SFP: Sprayed Fireproofing SF: Square Feet TF: Texture Finish	TB: Transite Board TP: Transite Pipe VI: Vermiculite Insulation VFT: Vinyl Floor Tile WC: Window Caulking

ID	Facility	Floor #	Room #	Room name	Has ACM	Friable	Struct. Elem.	Application	Material	Type	Qty	Condition	Sample #	Action	Ref #	Comments 1	Comments 2	Comments 3	Notes
52374	Leslie Frost Public School	NA		EXTERIOR	No	No	RF	RM	NA	ACM ASSUMED	1	G	NS		C				sample prior to renovation
52375	Leslie Frost Public School	NA		EXTERIOR	No	No	WN	WC	1	None-Detected			14398-37-PR1-01A-C						
52376	Leslie Frost Public School	NA		EXTERIOR	No	No	WL	WC	2	None-Detected			14398-37-PR1-02A-C						
52377	Leslie Frost Public School	NA		EXTERIOR	No	No	WN	WC	NA	ACM ASSUMED	1	G	NS			A, C			sample prior to renovation
52378	Leslie Frost Public School	NA		EXTERIOR	Yes	No		TB	NA	ACM ASSUMED		G	NS			A, C			
52446	Leslie Frost Public School	1	102	Hallway-H4	No	No	CL	CT	1	None-Detected			35-B5-05C						
52447	Leslie Frost Public School	1	102	Hallway-H4	No	No	WL	DJC		None-Detected			35-B5-04C						
52448	Leslie Frost Public School	1	103	Boy's Washroom by H4	Yes	Yes	PI	PI-PC		30% Chrysotile	9 Fittings	G	V/C 35-B5-01						
52449	Leslie Frost Public School	1	103	Boy's Washroom by H4	No	Yes	PI	PI-AC		35% Chrysotile	0 LF	G	35-B5-03A			C			July 2018 - Removed 2018
52450	Leslie Frost Public School	1	103	Boy's Washroom by H4	Yes	No	DK	WC	3	3% Chrysotile	1	G	14398-37-PR1-03A-C			D			White caulking along deck
52451	Leslie Frost Public School	1	104	Girl's Washroom by H4	Yes	No	DK	WC	3	3% Chrysotile	1	G	14398-37-PR1-03A-C			D			White caulking along deck
52453	Leslie Frost Public School	1	105	Custodian Room by H4	Yes	Yes	PI	PI-PC		30% Chrysotile	22 Fittings	G	35-B5-01A-C			C			
52454	Leslie Frost Public School	1	105	Custodian Room by H4	No	Yes	PI	PI-SW		None-Detected			35-B5-02A-C						
52455	Leslie Frost Public School	1	105	Custodian Room by H4	Yes	Yes	PI	PI-AC		35% Chrysotile	80 LF	G	35-B5-03B & C			C			
52456	Leslie Frost Public School	1	106	Health/Music & Washroom By H4	No	No	FL	VFT	4	None-Detected			V/C 35-B5-10						VFT-5 Reported in previous report- Observed VFT-4
52457	Leslie Frost Public School	1	106	Health/Music & Washroom By H4	No	No	WL	DJC		None-Detected			V/C 35-B5-04						
52458	Leslie Frost Public School	1	106	Health/Music & Washroom By H4	No	No	CL	CT	1	None-Detected			V/C 35-B5-05						
52462	Leslie Frost Public School	1	107	Class Room-1 & Washroom	No	No	FL	VFT	4	None-Detected			35-B5-10A						
52463	Leslie Frost Public School	1	107	Class Room-1 & Washroom	No	No	WL	DJC		None-Detected			V/C 35-B5-04						
52464	Leslie Frost Public School	1	107	Class Room-1 & Washroom	No	No	CL	CT	1	None-Detected			V/C 35-B5-05						
52465	Leslie Frost Public School	1	107	Class Room-1 & Washroom	No	No	FL	VFT (New)	11	N/A			N/S		A				VFT-7 Replaced with new VFT
52466	Leslie Frost Public School	1	107	Class Room-1 & Washroom	No	No	CL	CT	3	None-Detected			35-B5-16A-C						Washroom Area
52469	Leslie Frost Public School	1	108	Class Room-2	No	No	FL	VFT	4	None-Detected			35-B5-10B & C						
52470	Leslie Frost Public School	1	108	Class Room-2	No	No	WL	DJC		None-Detected			V/C 35-B5-04						
52471	Leslie Frost Public School	1	108	Class Room-2	No	No	CL	CT	1	None-Detected			V/C 35-B5-05						
52475	Leslie Frost Public School	1	109	Class Room-3	No	No	FL	VFT	3	None-Detected			35-B5-09B						
52476	Leslie Frost Public School	1	109	Class Room-3	No	No	WL	DJC		None-Detected			V/C 35-B5-04						
52477	Leslie Frost Public School	1	109	Class Room-3	No	No	CL	CT	1	None-Detected			V/C 35-B5-05						
52481	Leslie Frost Public School	1	110	Class Room-4	No	No	FL	VFT	3	None-Detected			35-B5-09A & C						
52482	Leslie Frost Public School	1	110	Class Room-4	No	No	WL	DJC		None-Detected			V/C 35-B5-04						
52483	Leslie Frost Public School	1	110	Class Room-4	No	No	CL	CT	1	None-Detected			V/C 35-B5-05						
52484	Leslie Frost Public School	1	112	Class Room-5	No	No	FL	VFT	3	None-Detected			V/C 35-B5-09						
52485	Leslie Frost Public School	1	112	Class Room-5	No	No	WL	DJC		None-Detected			V/C 35-B5-04						
52486	Leslie Frost Public School	1	112	Class Room-5	No	No	CL	CT	1	None-Detected			V/C 35-B5-05						
52478	Leslie Frost Public School	1	113	Class Room-6	No	No	FL	VFT	4	None-Detected			V/C 35-B5-10						
52479	Leslie Frost Public School	1	113	Class Room-6	No	No	WL	DJC		None-Detected			V/C 35-B5-04						
52480	Leslie Frost Public School	1	113	Class Room-6	No	No	CL	CT	1	None-Detected			35-B5-05B						
52472	Leslie Frost Public School	1	114	Class Room-7	No	No	FL	VFT	4	None-Detected			V/C 35-B5-10						
52473	Leslie Frost Public School	1	114	Class Room-7	No	No	WL	DJC		None-Detected			V/C 35-B5-04						
52474	Leslie Frost Public School	1	114	Class Room-7	No	No	CL	CT	1	None-Detected			V/C 35-B5-05						
52467	Leslie Frost Public School	1	115	Class Room-8	No	No	FL	VFT	1	None-Detected			V/C 35-B5-07						
52468	Leslie Frost Public School	1	115	Class Room-8	No	No	CL	CT	1	None-Detected			V/C 35-B5-05						
52459	Leslie Frost Public School	1	116	Resource Room by H4	No	No	FL	VFT	4	None-Detected			V/C 35-B5-10						
52460	Leslie Frost Public School	1	116	Resource Room by H4	No	No	WL	DJC		None-Detected			V/C 35-B5-04						
52461	Leslie Frost Public School	1	116	Resource Room by H4	No	No	CL	CT	1	None-Detected			V/C 35-B5-05						
52452	Leslie Frost Public School	1	117	Boiler Room	No	No	WL	DJC		None-Detected			V/C 35-B5-04						
52439	Leslie Frost Public School	1	118	Hallway-H3	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52440	Leslie Frost Public School	1	118	Hallway-H3	No	No	WL	DJC		None-Detected			V/C 35-B5-04						
52441	Leslie Frost Public School	1	119	Supply Room by H3	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52442	Leslie Frost Public School	1	120	Utility Beside Supply Rm by H3	No	No	FL	VFT	6	None-Detected			35-B5-12A & B						
52443	Leslie Frost Public School	1	120	Utility Beside Supply Rm by H3	No	No	CL	CT	2	None-Detected			35-B5-05A						
53396	Leslie Frost Public School	1	120	Washroom	No	No	CL	PL		N/D			18205-S01A-C			C			<0.5% Tremolite
53397	Leslie Frost Public School	1	120	Washroom	No	No	CL	PL		N/D			18205-S07A-C						<0.5% Tremolite


APPENDIX I - ROOM BY ROOM ASBESTOS INVENTORY



STRUCTURAL ELEMENT	ACCESSIBILITY	TERMINOLOGY					
RF: Roof WN: Window FL: Floor CL: Ceiling WL: Wall DK: Deck	B/J: Beams/Joists CB: Chalkboard PI: Pipe DT: Duct BL: Boiler MC: Mechanical	A: All occupants of the facility B: Maintenance staff without a ladder C: Maintenance staff with a ladder, exposed to view without moving building components D: Maintenance staff with a ladder, concealed from view by building components E: No access without demolition or removal of fixed building components or systems	ACM: Asbestos Containing Material CT: Ceiling Tile DJC: Drywall Joint Compound FTG: Fitting LF: Linear Feet	N/A: Not Applicable N/Anz: Not Analyzed N/D: None Detected PI-AC: Pipe Insulation - Aircell PI-PC: Pipe Insulation-Parging Cement PI-CP: Pipe Insulation-Capostite	PL: Plaster RM: Roofing Materials SFP: Sprayed Fireproofing SF: Square Feet TF: Texture Finish	TB: Transite Board TP: Transite Pipe VI: Vermiculite Insulation VFT: Vinyl Floor Tile	VSF: Vinyl Sheet Flooring V/C: Visually Consistent w/ Other Sampled Material WC: Window Caulking
		CONDITION	G: Good	F: Fair	P: Poor		

ID	Facility	Floor #	Room #	Room name	Has ACM	Friable	Struct. Elem.	Application	Material	Type	Qty	Condition	Sample #	Action	Ref #	Comments 1	Comments 2	Comments 3	Notes
52429	Leslie Frost Public School	1	121	General Office	No	No	FL	VFT	6	None-Detected			V/C 35-B5-12						
52432	Leslie Frost Public School	1	121	General Office	No	No	WL	DJC	2	None-Detected			35-B5-04D						
52435	Leslie Frost Public School	1	121	General Office	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52428	Leslie Frost Public School	1	121A	Principal's Office	No	No	FL	VFT	6	None-Detected			V/C 35-B5-12						
52431	Leslie Frost Public School	1	121A	Principal's Office	No	No	WL	DJC	2	None-Detected			35-B5-04D						
52434	Leslie Frost Public School	1	121A	Principal's Office	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52430	Leslie Frost Public School	1	122A	Photocopy Room	No	No	FL	VFT	6	None-Detected			V/C 35-B5-12						
52433	Leslie Frost Public School	1	122A	Photocopy Room	No	No	WL	DJC	2	None-Detected			35-B5-04D						
52436	Leslie Frost Public School	1	122A	Photocopy Room	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52487	Leslie Frost Public School	1	123	South Entrance Near Staff Rm	No	No	FL	VFT	1	None-Detected			35-B5-07C						
52488	Leslie Frost Public School	1	123	South Entrance Near Staff Rm	No	No	WL	DJC	2	None-Detected			35-B5-04E						
52489	Leslie Frost Public School	1	123	South Entrance Near Staff Rm	No	No	CL	CT	2	None-Detected			35-B5-06A & B						
52425	Leslie Frost Public School	1	124	Staff Room	No	No	FL	VFT	6	None-Detected			35-B5-12C						
52426	Leslie Frost Public School	1	124	Staff Room	No	No	WL	DJC	2	None-Detected			V/C 35-B5-04						
52427	Leslie Frost Public School	1	124	Staff Room	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52418	Leslie Frost Public School	1	125	Staff Washroom Beside Utility Rm	No	No	FL	VFT	1	None-Detected			V/C 35-B5-07						
52419	Leslie Frost Public School	1	125	Staff Washroom Beside Utility Rm	No	No	WL	DJC	2	None-Detected			35-B5-04G						
52420	Leslie Frost Public School	1	125	Staff Washroom Beside Utility Rm	No	No	CL	CT	2	None-Detected			V/C 35-B5-04						
52415	Leslie Frost Public School	1	126	Caretaker/Utility Room By H2	No	No	FL	VFT	1	None-Detected			V/C 35-B5-07						
52416	Leslie Frost Public School	1	126	Caretaker/Utility Room By H2	No	No	WL	DJC	2	None-Detected			V/C 35-B5-04						
52417	Leslie Frost Public School	1	126	Caretaker/Utility Room By H2	No	No	CL	CT	2	None-Detected			V/C 35-B5-04						
52412	Leslie Frost Public School	1	128	Boy's & Girl's Washroom by H2	No	No	FL	VFT	1	None-Detected			35-B5-07B						
52413	Leslie Frost Public School	1	128	Boy's & Girl's Washroom by H2	No	No	WL	DJC	2	None-Detected			35-B5-04F						
52414	Leslie Frost Public School	1	128	Boy's & Girl's Washroom by H2	No	No	CL	DJC	2	None-Detected			V/C 35-B5-04						
52388	Leslie Frost Public School	1	129	Hallway-H1	No	No	FL	VFT	1	None-Detected			35-B5-07A						
52389	Leslie Frost Public School	1	129	Hallway-H1	No	No	WL	DJC	2	None-Detected			35-B5-04B						
52390	Leslie Frost Public School	1	129	Hallway-H1	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52409	Leslie Frost Public School	1	130	Class Room-21	No	No	FL	VFT	1	None-Detected			V/C 35-B5-07						
52410	Leslie Frost Public School	1	130	Class Room-21	No	No	WL	DJC	2	None-Detected			V/C 35-B5-04						
52411	Leslie Frost Public School	1	130	Class Room-21	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52406	Leslie Frost Public School	1	131	Class Room-20	No	No	FL	VFT	1	None-Detected			V/C 35-B5-07						
52407	Leslie Frost Public School	1	131	Class Room-20	No	No	WL	DJC	2	None-Detected			V/C 35-B5-04						
52408	Leslie Frost Public School	1	131	Class Room-20	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52403	Leslie Frost Public School	1	132	Class Room-19	No	No	FL	VFT	1	None-Detected			V/C 35-B5-07						
52404	Leslie Frost Public School	1	132	Class Room-19	No	No	WL	DJC	2	None-Detected			V/C 35-B5-04						
52405	Leslie Frost Public School	1	132	Class Room-19	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52400	Leslie Frost Public School	1	134	Class Room-18	No	No	FL	VFT	1	None-Detected			V/C 35-B5-07						
52401	Leslie Frost Public School	1	134	Class Room-18	No	No	WL	DJC	2	None-Detected			V/C 35-B5-04						
52402	Leslie Frost Public School	1	134	Class Room-18	No	No	CL	CT	2	None-Detected			35-B5-06C						
52397	Leslie Frost Public School	1	135	Class Room-17	No	No	FL	VFT	1	None-Detected			V/C 35-B5-07						
52398	Leslie Frost Public School	1	135	Class Room-17	No	No	WL	DJC	2	None-Detected			V/C 35-B5-04						
52399	Leslie Frost Public School	1	135	Class Room-17	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52394	Leslie Frost Public School	1	136	Class Room-16	No	No	FL	VFT	1	None-Detected			V/C 35-B5-07						
52395	Leslie Frost Public School	1	136	Class Room-16	No	No	WL	DJC	2	None-Detected			V/C 35-B5-04						
52396	Leslie Frost Public School	1	136	Class Room-16	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52391	Leslie Frost Public School	1	137	Class Room-15	No	No	FL	VFT	1	None-Detected			V/C 35-B5-07						
52392	Leslie Frost Public School	1	137	Class Room-15	No	No	WL	DJC	2	None-Detected			V/C 35-B5-04						
52393	Leslie Frost Public School	1	137	Class Room-15	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52379	Leslie Frost Public School	1	138	Hallway-H2	No	No	FL	VFT	1	None-Detected			V/C 35-B5-07						
52380	Leslie Frost Public School	1	138	Hallway-H2	No	No	WL	DJC	2	None-Detected			V/C 35-B5-04						
52381	Leslie Frost Public School	1	138	Hallway-H2	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52382	Leslie Frost Public School	1	140	Class Room-14 (Computer Lab)	No	No	FL	VFT	1	None-Detected			V/C 35-B5-07						
52383	Leslie Frost Public School	1	140	Class Room-14 (Computer Lab)	No	No	WL	DJC	2	None-Detected			V/C 35-B5-04						
52384	Leslie Frost Public School	1	140	Class Room-14 (Computer Lab)	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52385	Leslie Frost Public School	1	141	Room-12 (Library)	No	No	FL	VFT	4	None-Detected			V/C 35-B5-10						
52386	Leslie Frost Public School	1	141	Room-12 (Library)	No	No	WL	DJC	2	None-Detected			V/C 35-B5-04						
52387	Leslie Frost Public School	1	141	Room-12 (Library)	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52421	Leslie Frost Public School	1	142	Class Room-11 (Kindergarten)	No	No	FL	VFT	2	None-Detected			V/C 35-B5-08						
52423	Leslie Frost Public School	1	142	Class Room-11 (Kindergarten)	No	No	WL	DJC	2	None-Detected			35-B5-04A						
52424	Leslie Frost Public School	1	142	Class Room-11 (Kindergarten)	No	No	CL	CT	2	None-Detected			V/C 35-B5-06						
52422	Leslie Frost Public School	1	142A	Class Room-11 (Kindergarten)	No	No	FL	VFT	1	None-Detected			V/C 35-B5-07						inside coat room area
52437	Leslie Frost Public School	1	144	Class Room-10 (Kindergarten)	No	No	FL	VFT	2	None-Detected			35-B5-08A-C						
52438	Leslie Frost Public School	1	144	Class Room-10 (Kindergarten)	No	No	WL	DJC	2	None-Detected			V/C 35-B5-04						

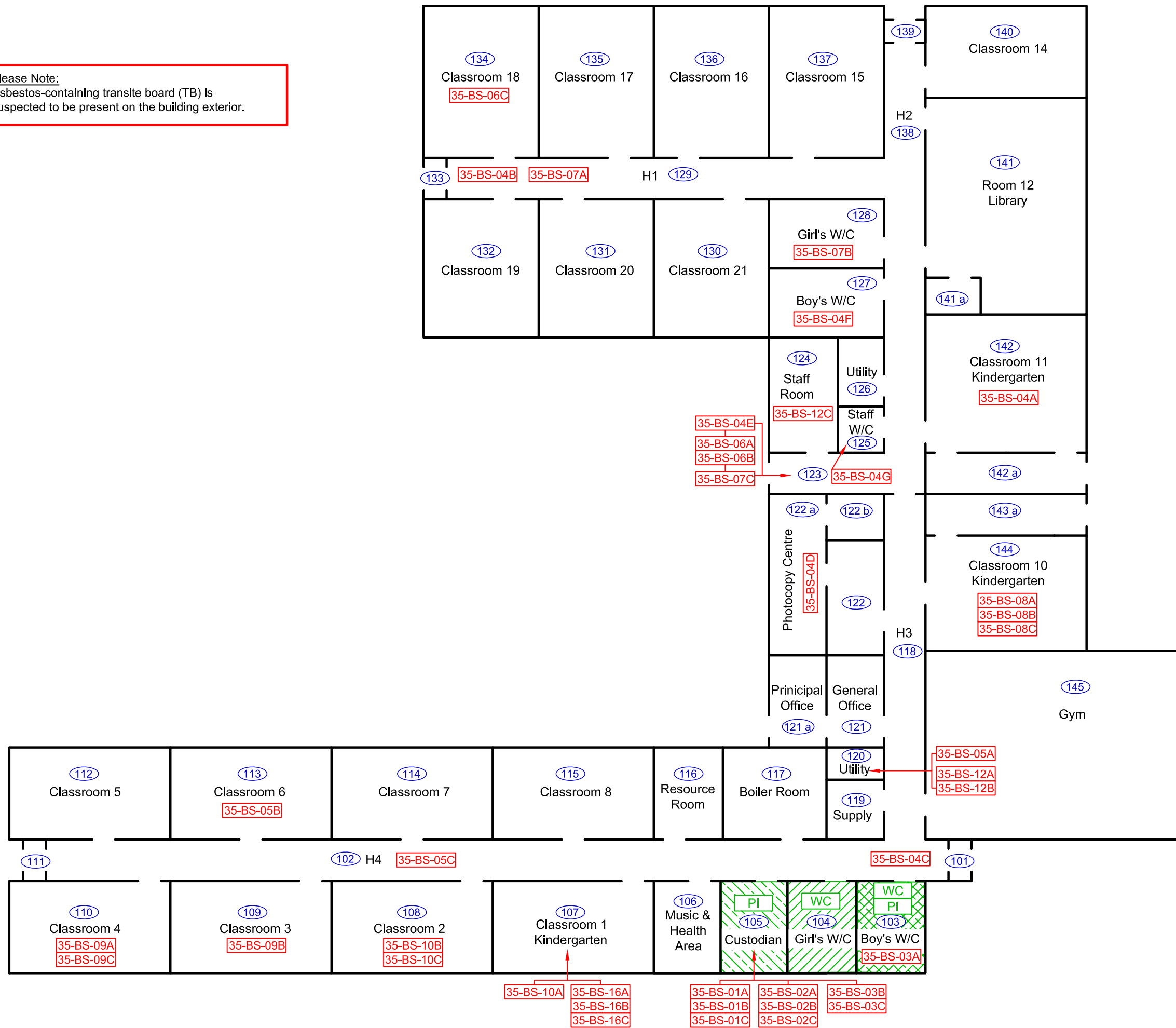
APPENDIX I - ROOM BY ROOM ASBESTOS INVENTORY

	STRUCTURAL ELEMENT		ACCESSIBILITY		TERMINOLOGY					
	RF: Roof WN: Window FL: Floor CL: Ceiling WL: Wall DK: Deck	B/J: Beams/Joists CB: Chalkboard PI: Pipe DT: Duct BL: Boiler MC: Mechanical	A: All occupants of the facility B: Maintenance staff without a ladder C: Maintenance staff with a ladder, exposed to view without moving building components D: Maintenance staff with a ladder, concealed from view by building components E: No access without demolition or removal of fixed building components or systems			ACM: Asbestos Containing Material CT: Ceiling Tile DJC: Drywall Joint Compound FTG: Fitting LF: Linear Feet	N/A: Not Applicable N/Anz: Not Analyzed N/D: None Detected PI-AC: Pipe Insulation - Aircell PI-PC: Pipe Insulation-Parging Cement PI-CP: Pipe Insulation-Caposite	PL: Plaster RM: Roofing Materials SFP: Sprayed Fireproofing SF: Square Feet TF: Texture Finish	TB: Transite Board TP: Transite Pipe VI: Vermiculite Insulation VFT: Vinyl Floor Tile	VSF: Vinyl Sheet Flooring V/C: Visually Consistent w/ Other Sampled Material WC: Window Caulking
					CONDITION G: Good F: Fair P: Poor					

ID	Facility	Floor #	Room #	Room name	Has ACM	Friable	Struct. Elem.	Application	Material	Type	Qty	Condition	Sample #	Action	Ref #	Comments 1	Comments 2	Comments 3	Notes
52444	Leslie Frost Public School	1	145	Gym	No	No	WL	CT	3	None-Detected			V/C 35-BS-16						Glued on ceiling tiles on walls
52445	Leslie Frost Public School	1	145	Gym	No	No	FL	VFT	8	N/A			35-BS-15A-C						VFT 8 reported in previous report- observed ruber flooring
52490	Leslie Frost Public School	1	P28	Portable-1	No	No	FL	VFT	4	None-Detected			V/C 35-BS-10						
52491	Leslie Frost Public School	1	P28	Portable-1	No	No	CL	CT	6	N/A			N/S						Fibreglass ceiling tiles
52492	Leslie Frost Public School	1	P29	Portable-2	No	No	FL	VFT	4	None-Detected			V/C 35-BS-10						
52493	Leslie Frost Public School	1	P29	Portable-2	No	No	CL	CT	6	N/A			N/S						Fibreglass ceiling tiles
52494	Leslie Frost Public School	1	P30	Portable-3	No	No	FL	VFT	4	None-Detected			V/C 35-BS-10						
52495	Leslie Frost Public School	1	P30	Portable-3	No	No	CL	CT	4	None-Detected			12578-37-01B						
52496	Leslie Frost Public School	1	P31	Portable-4	No	No	FL	VFT	4	None-Detected			V/C 35-BS-10						
52497	Leslie Frost Public School	1	P31	Portable-4	No	No	CL	CT	4	None-Detected			12578-37-01C						
52498	Leslie Frost Public School	1	P32	Portable-5	No	No	FL	VFT	4	None-Detected			V/C 35-BS-10						
52499	Leslie Frost Public School	1	P32	Portable-5	No	No	CL	CT	4	None-Detected			12578-37-01A						
52500	Leslie Frost Public School	1	P33	Portable-6	No	No	FL	VFT	9	ACM ASSUMED		G	N/S			A			sample prior to renovation
52501	Leslie Frost Public School	1	P33	Portable-6	No	No	FL	VFT	10	ACM ASSUMED		G	N/S			A			sample prior to renovation
52502	Leslie Frost Public School	1	P33	Portable-6	No	No	CL	CT	5	None-Detected			12578-37-02A-C						
52378	Leslie Frost Public School	NA		EXTERIOR	Yes	No		TB	NA	ACM ASSUMED		G	NS			A, C			

APPENDIX II
DRAWINGS

Please Note:
Asbestos-containing transite board (TB) is suspected to be present on the building exterior.



LEGEND

01-BS-01A Jacques Whitford Sample Locations
Ebase Number

CONFIRMED ACM

SYMBOL	DESCRIPTION
	Friable Asbestos-Containing Material
	Non-Friable Asbestos-Containing Material
	Pipe Insulation (Friable Asbestos-Containing Material)
	Wall Caulking (Non-Friable Asbestos-Containing Material)
NOTE	Transite Board

For Detailed Information as to Location, Type, Quantity, Condition and Access to ACM, Please Refer to the Room-by-Room Sheets Provided in the Report.

Leslie Frost Public School
51 Angeline Street South
Lindsay, Ontario

First Floor Plan

Asbestos Materials Re-Assessment Survey

CLIENT: Trillium Lakelands District School Board

PROJECT NUMBER: 18736-37	DATE: September 2020	DRW BY: S. Prosser
	SCALE: Not to Scale	CHK BY: K. Prosser



APPENDIX III
POTENTIAL ASBESTOS-CONTAINING MATERIAL
IDENTIFICATION SHEET

APPENDIX III - POTENTIAL ASBESTOS-CONTAINING MATERIALS INFORMATION SHEET

<i>MIN</i>	<i>Material</i>	<i>Material Description</i>	<i>Size</i>	<i>Sample Number</i>	<i>Sample Location</i>	<i>Asbestos Containing</i>
VFT-1	Vinyl Floor Tiles	Cream/beige/grey mix	12x 12	35-BS-07A-C	H1, H3 Exit Near Staff Rm. & Girl's W/R	None
VFT-2	Vinyl Floor Tiles	Tan with beige and white specks	12x 12	35-BS-08A-C	Room-10	None
VFT-3	Vinyl Floor Tiles	Taupe with white and grey mix	12x 12	35-BS-09A-C	Room-4 & 3	None
VFT-4	Vinyl Floor Tiles	White with blue specks	12x 12	35-BS-10A-C	Room-1 & 2	None
VFT-5	Vinyl Floor Tiles	Tan with white and red smudges	9 x 9	35-BS-11A-C	Health Rm and Washroom	10% Chrysotile
VFT-6	Vinyl Floor Tiles	Cream with light brown specks	12 x 12	35-BS-12A-C	Utility Rm by H3 & Staff Room	None
VFT-7	Vinyl Floor Tiles	Drak brown with red and white smudges	9x 9	35-BS-13A-C	Room-1 Washroom	0.5% Chrysotile
VFT-8	Vinyl Floor Tiles	Cream with grey specks	12x 12	35-BS-15A-C	Gym	None
VFT-9	Vinyl Floor Tiles	White with grey	12x 12	Not Sampled	Portable-06	Assumed ACM
VFT-10	Vinyl Floor Tiles	Taupe	12x 12	Not Sampled	Portable-06	Assumed ACM
VFT-11	Vinyl Floor Tiles	New	12x 12	Not Sampled	Classroom-01 Kinddengarten	None
WC-1	Caulking	Grey Window Caulking		14398-37-PR1-01A-C	Exterior Window	None
WC-2	Caulking	Beige Wall Caulking		14398-37-PR1-02A-C	Exterior Wall	None
WC-3	Caulking	White Caulking Along Deck		14398-37-PR1-03C	Girl's & Boy's Washrooms near H4	3% Chrysotile
CT-1	Ceiling Tiles	Small fissure pattern	2 x 4	35-BS-05A-C	Utility Rm, Rm-6 & Hallway-4	None
CT-2	Ceiling Tiles	Large fissure pattern	2 x 4	35-BS-06A-C	Hallway Exit Near Staff Rm. & Rm-18	None
CT-3	Ceiling Tiles	Hole Pattren	1 x 1	35-BS-16A-C	Room-1 Washroom	None
CT-4	Ceiling Tiles	Large fissure and pinhole pattern	2 x 4	12578-37-01A-C	Portable-5, 3 & 4	None
CT-5	Ceiling Tiles	Fissure and pinhole Pattren	1 x 1	12578-37-02A-C	Portable-6	None
CT-6	Ceiling Tiles	Plain (Fibeglass)	2x4	Not Sampled	Portable-1 & 2	None