

ASBESTOS-CONTAINING BUILDING MATERIALS RE-ASSESSMENT REPORT

Parkview Public School

133 Adelaide Street North
Lindsay, Ontario

Presented to:

Trillium Lakelands District School Board

Box 420, County Road 36
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Attention: Daniel Whalen

September 2020

Maple Project No. 18736-39

Executive Summary

2020 Asbestos-Containing Building Materials Re-Assessment Report

Maple Project	School Name	Address
18736-39	Parkview Public School	133 Adelaide Street North 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				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.

Executive Summary

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 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.

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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:	Parkview Public School
Building Address:	133 Adelaide Street North, Lindsay, Ontario
Number of Floors:	1 (no basement)
Approximate Square Footage:	31,000
Assessed by:	Richards Reboks
Assessment Date:	July 30, 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 pipe fittings were found to be in GOOD condition.

Pipe Straights, where insulated are insulated with non-asbestos fibreglass and/or armaflex materials.

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 was 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)

Previous sample results indicated drywall joint compound sampled at the Site contains asbestos. All drywall should be assumed to contain asbestos unless testing in specific areas indicates otherwise. The drywall was found to be in GOOD Condition.

4.9 Plaster

While previous sample results indicated all plaster finishes sampled at the Site does 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 previously collected may not be representative of all plaster finishes in the building.

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 Abatement Procedures as appropriate for the work being performed.

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

Asbestos-containing drywall joint compound is present within the building. Removal or disturbance of less than 1 m² of this material will require the use of Type 1 Asbestos Abatement Procedures, and the disturbance of greater than less than 1 m² will require Type 2 Asbestos Abatement Procedures.

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 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.

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

Sincerely,

MAPLE ENVIRONMENTAL INC.
Environment, Health and Safety Consultants

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APPENDIX I
ROOM-BY-ROOM ASBESTOS INVENTORY

APPENDIX I - ROOM BY ROOM ASBESTOS INVENTORY

	STRUCTURAL ELEMENT			ACCESSIBILITY			TERMINOLOGY														
	RF: Roof	B/J: Beams/Joists		A: All occupants of the facility			ACM: Asbestos Containing Material			N/A: Not Applicable			PL: Plaster			TB: Transit Board			VSF: Vinyl Sheet Flooring		
	WN: Window	CB: Chalkboard		B: Maintenance staff without a ladder			CT: Ceiling Tile			N/Anz: Not Analyzed			RM: Roofing Materials			TP: Transit Pipe			V/C: Visually Consistent w/ Other Sampled Material		
	FL:Floor	PI: Pipe		C: Maintenance staff with a ladder, exposed to view without moving building components			DJC: Drywall Joint Compound			N/D: None Detected			SFP: Sprayed Fireproofing			VI: Vermiculite Insulation			Material		
	CL:Ceiling	DT:Duct		D: Maintenance staff with a ladder, concealed from view by building components			FTG: Fitting			PI-AC: Pipe Insulation - Aircell			SF: Square Feet			VFT: Vinyl Floor Tile			WC: Window Caulking		
	WL:Wall	BL:Boiler		E: No access without demolition or removal of fixed building components or systems			LF: Linear Feet			PI-PC: Pipe Insulation-Parging Cement			TF: Texture Finish								
	DK:Deck	MC:Mechanical								PI-CP: Pipe Insulation-Caposte											
				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		
46106	Parkview Public School	1	101	Hallway-H3	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT		
46113	Parkview Public School	1	102	Library	No	No	FL	VFT (New)	12	Visually Negative			N/S						VFT-4 Replaced with new VFT-12		
46116	Parkview Public School	1	102	Library	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT		
46114	Parkview Public School	1	102A	Computer Room	No	No	FL	VFT (New)	12	Visually Negative			N/S						VFT-4 Replaced with new VFT-12		
46117	Parkview Public School	1	102A	Computer Room	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT		
46115	Parkview Public School	1	102B	Library Office	No	No	FL	VFT (New)	12	Visually Negative			N/S						VFT-4 Replaced with new VFT-12		
46118	Parkview Public School	1	102B	Library Office	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT		
46107	Parkview Public School	1	103	Gym	No	No	FL	VFT	10	N/D			12578-39-02B								
46109	Parkview Public School	1	103	Gym	No	No	FL	VFT	9	N/D			36-BS-17A-C								
46111	Parkview Public School	1	103	Gym	Yes	No	WL	DJC		5% Chrysotile	1	G	36-BS-14D			A			5% Chrysotile as per 36-BS-14B		
46088	Parkview Public School	1	103A	Equipment Room	No	No	FL	VFT	10	N/D			V/C 12578-39-02								
46089	Parkview Public School	1	103A	Equipment Room	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT		
46108	Parkview Public School	1	104	Stage	No	No	FL	VFT	10	N/D			12578-39-02B								
46110	Parkview Public School	1	104	Stage	No	No	FL	VFT	9	N/D			36-BS-17A-C								
46112	Parkview Public School	1	104	Stage	Yes	No	WL	DJC		5% Chrysotile	1	G	36-BS-14D			A			5% Chrysotile as per 36-BS-14B		
46094	Parkview Public School	1	105	Book Storage	No	No	FL	VFT	2	N/D			V/C 36-BS-03						VFT-3 sampled in previous report- Observed VFT-2		
46095	Parkview Public School	1	105	Book Storage	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-BS-14			A					
46096	Parkview Public School	1	105	Book Storage	No	No	WL	PL		N/D			V/C 36-BS-04								
46097	Parkview Public School	1	105	Book Storage	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT		
46104	Parkview Public School	1	106	Hallway-H2	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-BS-14			A					
46105	Parkview Public School	1	106	Hallway-H2	No	No	WL	PL		N/D			V/C 36-BS-04								
46103	Parkview Public School	1	107	Hallway-H1	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT		
46090	Parkview Public School	1	108	Resources Room	No	No	FL	VFT	2	N/D			V/C 36-BS-03						VFT-3 sampled in previous report- Observed VFT-2		
46091	Parkview Public School	1	108	Resources Room	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-BS-14			A					
46092	Parkview Public School	1	108	Resources Room	No	No	WL	PL		N/D			V/C 36-BS-04								
46093	Parkview Public School	1	108	Resources Room	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT		
46083	Parkview Public School	1	109	Exercise Room	No	No	FL	VFT	10	N/D			12578-39-02A								
46084	Parkview Public School	1	109	Exercise Room	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT		
46085	Parkview Public School	1	109	Exercise Room	Yes	Yes	PI	PI-PC		60% Chrysotile	2 Fittings	G	V/C 36-BS-13			C					
46086	Parkview Public School	1	110	Planning Storage	No	No	FL	VFT	10	N/D			12578-39-02C								
46087	Parkview Public School	1	110	Planning Storage	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT		
46047	Parkview Public School	1	111	Hallway & Skylight	Yes	No	CL	DJC		5% Chrysotile	1	G	36-BS-14C			A			5 % Chrysotile as per sample # 36-BS-14B		
46048	Parkview Public School	1	111	Hallway & Skylight	No	No	WL	PL		N/D			V/C 36-BS-04								
46049	Parkview Public School	1	111	Hallway & Skylight	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT		
46062	Parkview Public School	1	112	Class-5	No	No	FL	VFT	2	N/D			V/C 36-BS-03								
46063	Parkview Public School	1	112	Class-5	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-BS-14			A					
46064	Parkview Public School	1	112	Class-5	No	No	WL	PL		N/D			V/C 36-BS-04								
46065	Parkview Public School	1	112	Class-5	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT		
46079	Parkview Public School	1	112A	Rest Room by Class-5	No	No	FL	VFT	2	N/D			V/C 36-BS-03								
46080	Parkview Public School	1	112A	Rest Room by Class-5	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-BS-14			A					
46081	Parkview Public School	1	112A	Rest Room by Class-5	No	No	WL	PL		N/D			V/C 36-BS-04								
46082	Parkview Public School	1	112A	Rest Room by Class-5	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT		
46066	Parkview Public School	1	113	Class-6	No	No	FL	VFT	2	N/D			V/C 36-BS-03								
46067	Parkview Public School	1	113	Class-6	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-BS-14			A					
46068	Parkview Public School	1	113	Class-6	No	No	WL	PL		N/D			V/C 36-BS-04								
46069	Parkview Public School	1	113	Class-6	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT		

APPENDIX I - ROOM BY ROOM ASBESTOS INVENTORY

 MAPLE ENVIRONMENTAL INC. ENVIRONMENTAL HEALTH & SAFETY CONSULTANTS	STRUCTURAL ELEMENT				ACCESSIBILITY				TERMINOLOGY																					
	RF: Roof		B/J: Beams/Joists		A: All occupants of the facility				ACM: Asbestos Containing Material				N/A: Not Applicable				PL: Plaster				TB: Transite Board				VSF: Vinyl Sheet Flooring					
	WN: Window		CB: Chalkboard		B: Maintenance staff without a ladder				N/Anz: Not Analyzed				RM: Roofing Materials				TP: Transite Pipe				V/C: Visually Consistent w/ Other Sampled									
	FL: Floor		PI: Pipe		C: Maintenance staff with a ladder, exposed to view without moving building components				N/D: None Detected				SFP: Sprayed Fireproofing				VI: Vermiculite Insulation				Material									
	CL: Ceiling		DT: Duct		D: Maintenance staff with a ladder, concealed from view by building components				PI-AC: Pipe Insulation - Aircell				SF: Square Feet				VFT: Vinyl Floor Tile				WC: Window Caulking									
	WL: Wall		BL: Boiler		E: No access without demolition or removal of fixed building components or systems				PI-PC: Pipe Insulation-Parging Cement				TF: Texture Finish																	
	DK: Deck		MC: Mechanical						PI-CP: Pipe Insulation-Caposte																					
																			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											
46180	Parkview Public School	1	113	Storage by H5	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-B5-14			A														
46181	Parkview Public School	1	113	Storage by H5	No	No	WL	PL		N/D			13491-39-1A-C																	
46070	Parkview Public School	1	114	Class-7	No	No	FL	VFT	2	N/D			V/C 36-B5-03																	
46071	Parkview Public School	1	114	Class-7	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-B5-14			A														
46072	Parkview Public School	1	114	Class-7	No	No	WL	PL		N/D			V/C 36-B5-04																	
46073	Parkview Public School	1	114	Class-7	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT											
46074	Parkview Public School	1	115	Class-8	No	No	FL	VFT	2	N/D			V/C 36-B5-03																	
46075	Parkview Public School	1	115	Class-8	Yes	No	WL	DJC		5% Chrysotile	1	G	36-B5-14E			A			5% Chrysotile as per 36-B5-14B											
46076	Parkview Public School	1	115	Class-8	No	No	WL	PL		N/D			V/C 36-B5-04																	
46077	Parkview Public School	1	115	Class-8	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT											
46043	Parkview Public School	1	116	Class-1	No	No	FL	VFT	2	N/D			V/C 36-B5-03																	
46044	Parkview Public School	1	116	Class-1	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-B5-14			A														
46045	Parkview Public School	1	116	Class-1	No	No	WL	PL		N/D			V/C 36-B5-04																	
46046	Parkview Public School	1	116	Class-1	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT											
46050	Parkview Public School	1	117	Class-2	No	No	FL	VFT	2	N/D			V/C 36-B5-03																	
46051	Parkview Public School	1	117	Class-2	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-B5-14			A														
46052	Parkview Public School	1	117	Class-2	No	No	WL	PL		N/D			V/C 36-B5-04																	
46053	Parkview Public School	1	117	Class-2	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT											
46058	Parkview Public School	1	118	Class-4	No	No	FL	VFT	2	N/D			V/C 36-B5-03																	
46059	Parkview Public School	1	118	Class-4	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-B5-14			A														
46060	Parkview Public School	1	118	Class-4	No	No	WL	PL		N/D			V/C 36-B5-04																	
46061	Parkview Public School	1	118	Class-4	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT											
46054	Parkview Public School	1	119	Class-3	No	No	FL	VFT	2	N/D			V/C 36-B5-03																	
46055	Parkview Public School	1	119	Class-3	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-B5-14			A														
46056	Parkview Public School	1	119	Class-3	No	No	WL	PL		N/D			V/C 36-B5-04																	
46057	Parkview Public School	1	119	Class-3	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT											
46078	Parkview Public School	1	120	Girl's Washroom	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT											
46098	Parkview Public School	1	121	Boy's Washroom	No	No	CL	CT (New)	5	Visually Negative			N/S						Asbestos CT-4 are replaced with non-asbestos CT											
46099	Parkview Public School	1	122	Custodian Room	No	No	FL	VFT (New)	12	Visually Negative			N/S						VFT-3 replaced with new VFT											
46100	Parkview Public School	1	122	Custodian Room	Yes	No	WL	DJC		5% Chrysotile	1	G	36-B5-14B			A														
46101	Parkview Public School	1	122	Custodian Room	No	No	WL	PL		N/D			V/C 36-B5-04																	
46102	Parkview Public School	1	122	Custodian Room	No	No	FL	VFT	2	N/D			V/C 36-B5-03						Asbestos CT-4 are replaced with non-asbestos CT											
46130	Parkview Public School	1	123	Class-11	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-B5-14			A														
46131	Parkview Public School	1	123	Class-11	No	No	WL	PL		N/D			V/C 36-B5-04																	
46132	Parkview Public School	1	123	Class-11	Yes	Yes	PI	PI-PC		60% Chrysotile	2 Fittings	G	V/C 36-B5-13			C														
46133	Parkview Public School	1	123	Class-11	No	No	FL	VFT	2	N/D			36-B5-03C																	
46134	Parkview Public School	1	124	Class-12	No	No	WL	PL		N/D			36-B5-04C,F,G																	
46135	Parkview Public School	1	124	Class-12	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-B5-14			A														
46136	Parkview Public School	1	124	Class-12	No	No	FL	VFT	2	N/D			V/C 36-B5-03																	
46137	Parkview Public School	1	125	Class-13	No	No	WL	PL		N/D			36-B5-04B																	
46138	Parkview Public School	1	125	Class-13	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-B5-14			A														
46139	Parkview Public School	1	125	Class-13	No	No	FL	VFT	2	N/D			36-B5-03B																	
46128	Parkview Public School	1	126	Hallway-H4	No	No	FL	VFT	7	N/D			36-B5-11A-C																	
46129	Parkview Public School	1	126	Hallway-H4	Yes	Yes	PI	PI-PC		60% Chrysotile	8 Fittings	G	36-B5-13B & C			C			60% Chrysotile as per sample 36-B5-13A											
46188	Parkview Public School	1	127	Vestibule (off H5)	Yes	Yes	PIPE	PI-PC		60% Chrysotile	8 Fittings	G	36-B5-13 B&C			E														
46170	Parkview Public School	1	128	Boy's Washroom By H5	No	No	WL	PL		N/D			V/C 36-B5-04																	
46169	Parkview Public School	1	128	Boy's Washroom By H5	Yes	No	WL	DJC		5% Chrysotile	1	G	V/C 36-B5-04			A														
46171	Parkview Public School	1	128	Boy's Washroom By H5	Yes	No	CL	DJC		5% Chrysotile	1	G	V/C 36-B5-04			C														

		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-Capstone		PL: Plaster RM: Roofing Materials SFP: Sprayed Fireproofing SF: Square Feet TF: Texture Finish	TB: Transit Board TP: Transit Pipe Vt: Vermiculite Insulation VFT: Vinyl Floor Tile	VSF: Vinyl Sheet Flooring V/C: Visually Consistent w/ Other Sampled Material 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
46175	Parkview Public School	1	129	Class-18	Yes	No	WL	DIC		5% Chrysotile	1	G	V/C 36-B5-14		A				
46176	Parkview Public School	1	129	Class-18	No	No	WL	PL		N/D			V/C 36-B5-04						
46177	Parkview Public School	1	129	Class-18	No	No	FL	VFT	1	N/D			36-B5-02A & B						
46166	Parkview Public School	1	130	Girl's Washroom By H5	No	No	WL	PL		N/D			V/C 36-B5-04						
46168	Parkview Public School	1	130	Girl's Washroom By H5	Yes	Yes	PI	PI-PC		60 % Chrysotile	10 Fittings	G	V/C 36-B5-13		C				
46165	Parkview Public School	1	130	Girl's Washroom By H5	Yes	No	WL	DIC		5% Chrysotile	1	G	V/C 36-B5-04		A				
46167	Parkview Public School	1	130	Girl's Washroom By H5	Yes	No	CL	DIC		5% Chrysotile	1	G	V/C 36-B5-04		C				
46144	Parkview Public School	1	131	Hallway-H5 & Coat Area	Yes	Yes	PI	PI-PC		60% Chrysotile	06 Fittings	G	36-B5-13A		C				
46146	Parkview Public School	1	131	Hallway-H5 & Coat Area	No	No	CL	CT	1	N/D		G	35-B5-07A-C		C				No Access above ceiling
46143	Parkview Public School	1	131	Hallway-H5 & Coat Area	No	Yes	PI	PI-SW		N/D			36-B5-01A-C						
46145	Parkview Public School	1	131	Hallway-H5 & Coat Area	No	No	CL	CT	2	N/D			35-B5-10A-C						
46147	Parkview Public School	1	135	Janitor Room By H5	No	No	WL	PL		N/D			36-B5-04A						
46148	Parkview Public School	1	135	Janitor Room By H5	Yes	No	CL	DIC		5% Chrysotile	1	G	V/C 36-B5-14		C				
46178	Parkview Public School	1	136	Boiler Room	Suspect	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A				
46179	Parkview Public School	1	136	Boiler Room	No	No	FL	VFT	6	10% Chrysotile			V/C 36-B5-09						Replaced with new VFT
46172	Parkview Public School	1	137	Class-17	Yes	No	WL	DIC		5% Chrysotile	1	G	V/C 36-B5-14		A				
46173	Parkview Public School	1	137	Class-17	No	No	WL	PL		N/D			V/C 36-B5-04						
46174	Parkview Public School	1	137	Class-17	No	No	FL	VFT	2	N/D			36-B5-03A						
46161	Parkview Public School	1	138	Resources Room	No	No	FL	VFT	4	N/D			36-B5-06A-C						
46162	Parkview Public School	1	138	Resources Room	Yes	No	WL	DIC		5% Chrysotile	1	G	V/C 36-B5-14		A				
46163	Parkview Public School	1	138	Resources Room	No	No	WL	PL		N/D			V/C 36-B5-04						
46164	Parkview Public School	1	138	Resources Room	Yes	No	CL	DIC		5% Chrysotile	1	G	V/C 36-B5-04		C				
46149	Parkview Public School	1	139	Guidance By H5	Yes	No	WL	DIC		5% Chrysotile		G	V/C 36-B5-14		A				
46150	Parkview Public School	1	139	Guidance By H5	No	No	WL	PL		N/D		G	V/C 36-B5-04		A				
46151	Parkview Public School	1	139	Guidance By H5	Yes	No	CL	DIC		5% Chrysotile	1	G	V/C 36-B5-14		C				
46152	Parkview Public School	1	140	Class-14	No	No	FL	VFT	2	N/D			V/C 36-B5-03						

APPENDIX II

DRAWINGS

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 and beige mix	12x 12	36-BS-02A-C	Class-18 & Storage Near Class-16	None
VFT-2	Vinyl Floor Tiles	White with blue specks	12x 12	36-BS-03A-C	Class-17, 13 & 11	None
VFT-3	Vinyl Floor Tiles	Light grey with thin black streaks	12x 12	36-BS-05A-C		5% Chrysotile
VFT-4	Vinyl Floor Tiles	White with beige and grey smears	12x 12	36-BS-06A-C	Resources Room Near Class-17	None
VFT-5	Vinyl Floor Tiles	Beige with brown & white streaks	9 x 9	36-BS-08A-C		2% Tremolite & 10% Chrysotiles
VFT-6	Vinyl Floor Tiles	Green	9 x 9	36-BS-09A-C	Storage by H5	10% Chrysotile
VFT-7	Vinyl Floor Tiles	Salmon	12x 12	36-BS-11A-C	Corridor Near Class-13 & 15	None
VFT-8	Vinyl Floor Tiles	White with black specks	12x 12	36-BS-12A-C	Class-16	None
VFT-9	Vinyl Floor Tiles	Red	12x 12	36-BS-17A-C	Gym	None
VFT-10	Vinyl Floor Tiles	Off-white with grey and purple	12x 12	12578-39-02A-C	Exercise Rm, Gym & Planning Storage	None
VFT-11	Vinyl Floor Tiles	Beige with brown & white streaks	12 x 12	Not Sampled	Portable-3	Not Applicable
VFT-12	Vinyl Floor Tiles	New VFT	12 x 12	Not Sampled	Library/Computer/Office	Not Applicable
CT-1	Ceiling Tiles	Large fissure pattern	2 x 4	36-BS-07A-C	East Entrance & Corridor	None
CT-2	Ceiling Tiles	Small fissure pattern	2 x 4	36-BS-10A-C	Corridor near Class-17	None
CT-3	Ceiling Tiles	Medium fissure and pinhole Pattren	2 x 2	36-BS-15A-C	Voice Principal's Office	None
CT-4	Ceiling Tiles	pinhole pattern	2 x 4	36-BS-16A-C		10% Chrysotile
CT-5 (New)	Ceiling Tiles	Medium fissure Pattren	2 x 4	Not Sampled	New Ceiling Tiles	None
CT-6	Ceiling Tiles	Medium fissure and pinhole Pattren	2 x 4	12578-39-01A-C	Portable-1, 2 & 4	None
CT-7	Ceiling Tiles	Fibber Glass Ceiling Tiles	2 x 4	Not Sampled	Portable-3	None
DJC	Drywall Joint Compound	Drywall Joint Compound		36-BS-14A-E	Multiple Locations	5% Chrysotile
PL	Cement Plaster	Cement Plaster		36-BS-04A-C	Multiple Locations	None
PL	Cement Plaster	Cement Plaster		13491-39-1A-C	Multiple Locations	None
PI-PC	Parging Cement	Parging Cement		36-BS-13A-C	Hallway	60% Chrysotile
PI-SW	Sweatwrap	Pipe Insultaion-Sweatwrap		36-BS-01A-C	Corridore Near Class-17	None