

## **ASBESTOS-CONTAINING BUILDING MATERIALS RE-ASSESSMENT REPORT**

### **J Douglas Hodgson Elementary School**

1020 Grass Lake Road  
Haliburton, Ontario

#### **Presented to:**

### **Trillium Lakelands District School Board**

Box 420, County Road 36  
Lindsay, Ontario  
K9V 4S4

Attention: Daniel Whalen

September 2021

**Maple Project No. 19359-15**

# Executive Summary

## 2021 Asbestos-Containing Building Materials Re-Assessment Report

Maple Project	School Name	Address
19359-15	J Douglas Hodgson Elementary School	1020 Grass Lake Road, Haliburton, 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:

<b>ASBESTOS BUILDING MATERIALS SUMMARY</b>							
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			X	NO
Drywall Joint Compound	X				X		NO
Other (roofing, caulking, etc.)			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**

## **2021 Asbestos-Containing Building Materials Re-Assessment Report**

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### **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**

The Executive Summary must be read in conjunction with the main body of this report.

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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.

<b>SUMMARY OF BUILDING INFORMATION</b>	
<b>School Name:</b>	J Douglas Hodgson Elementary School
<b>Building Address:</b>	1020 Grass Lake Road, Haliburton, Ontario
<b>Number of Floors:</b>	2 (no basement)
<b>Approximate Square Footage:</b>	47,400
<b>Assessed by:</b>	Richards Reboks
<b>Assessment Date:</b>	July 21, 2021

## **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.

<b>Material Type</b>	<b>No. Samples</b>
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-containing mechanical insulations are present in the building. 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. The insulation on the pipe straights within Gym A (eBase 217) and Gym B (eBase 216) is inaccessible and therefore assumed to contain asbestos until sampling proves otherwise. The pipe straight insulation was observed to be in GOOD condition at the time of the assessment.

##### **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)**

Vinyl floor tiles containing asbestos are present in various areas of the building. All tiles were found to be in GOOD condition. Refer to the Room-by-Room Inventory in Appendix I for details regarding location and quantity.

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

Asbestos-containing transite is present in the form of a panel within Room 105 (eBase 130). All transite panels were found to be in GOOD condition at the time of the assessment.

#### **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**

Textured plaster finishes present on the exterior soffits, overhangs and vestibules were sampled (Sample Set 15864-S01-S03) and analysed for asbestos content. The samples were found to contain 0.5% Chrysotile asbestos. At the time of the current assessment, the textured plaster were observed to be in GOOD condition.

### **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 vinyl floor tiles are likely to be disturbed, the tiles should be removed using Type 1 Asbestos procedures (provided no power tools are used and the material is wetted). The use of power tools would require Type 3 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.

Asbestos-containing drywall joint compound is present within the building. Removal or disturbance of less than 1 m<sup>2</sup> of this material will require the use of Type 1 Asbestos procedures, and the disturbance of greater than less than 1 m<sup>2</sup> will require Type 2 Asbestos procedures.

The removal or disturbance of textured plaster finishes less than 1m<sup>2</sup> will require the use of Type 2 Asbestos procedures; greater than 1m<sup>2</sup> Type 3 Asbestos procedures apply.

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.

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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

**Prepared By:**



**Richards Reboks**  
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**APPENDIX I**  
**ROOM-BY-ROOM ASBESTOS INVENTORY**


**APPENDIX I - ROOM BY ROOM ASBESTOS INVENTORY**

 <p><b>MAPLE ENVIRONMENTAL INC.</b> ENVIRONMENT, HEALTH &amp; SAFETY CONSULTANTS</p>	<p><b>STRUCTURAL ELEMENT</b> RF: Roof      B/J: Beams/Joists WN: Window      CB: Chalkboard FL: Floor      PI: Pipe CL: Ceiling      DT: Duct WL: Wall      BL: Boiler DK: Deck      MC: Mechanical SF: Soffits</p>	<p><b>ACCESSIBILITY</b> 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</p>	<p><b>TERMINOLOGY</b> ACM: Asbestos Containing Material      N/A: Not Applicable CT: Ceiling Tile      N/Anz: Not Analyzed DJC: Drywall Joint Compound      N/D: None Detected FTG: Fitting      PI-AC: Pipe Insulation - Aircell LF: Linear Feet      PI-PC: Pipe Insulation-Parging Cement PI-CP: Pipe Insulation-Caposite</p>	<p>PL: Plaster      TB: Transite Board RM: Roofing Materials      TP: Transite Pipe SFP: Sprayed Fireproofing      VI: Vermiculite Insulation SF: Square Feet      VFT: Vinyl Floor Tile TF: Texture Finish</p>	<p>VSF: Vinyl Sheet Flooring V/C: Visually Consistent w/ Other Sampled Material WC: Window Caulking</p>
	<p><b>CONDITION</b>    G: Good    F: Fair    P: Poor</p>				

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
69710	J. Douglas Hodgson Elementary School	1	101	Main Foyer	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69711	J. Douglas Hodgson Elementary School	1	101	Main Foyer	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			18143 Sections of Walls Removed
69704	J. Douglas Hodgson Elementary School	1	102	304	No	No	FL	VFT	4	N/D			V/C 20-BS-10						
69705	J. Douglas Hodgson Elementary School	1	102	304	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69706	J. Douglas Hodgson Elementary School	1	102	304	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			
69723	J. Douglas Hodgson Elementary School	1	103	Hallway 2	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69724	J. Douglas Hodgson Elementary School	1	103	Hallway 2	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	20-BS-01B			A			
69679	J. Douglas Hodgson Elementary School	1	104	104	No	No	FL	VFT	4	N/D			20-BS-10C						
69680	J. Douglas Hodgson Elementary School	1	104	104	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69681	J. Douglas Hodgson Elementary School	1	104	104	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			
69676	J. Douglas Hodgson Elementary School	1	105	103	No	No	FL	VFT	4	N/D			V/C 20-BS-10						
69677	J. Douglas Hodgson Elementary School	1	105	103	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69678	J. Douglas Hodgson Elementary School	1	105	103	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			
69673	J. Douglas Hodgson Elementary School	1	107	301	No	No	FL	VFT	4	N/D			V/C 20-BS-10						
69674	J. Douglas Hodgson Elementary School	1	107	301	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69675	J. Douglas Hodgson Elementary School	1	107	301	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			
69721	J. Douglas Hodgson Elementary School	1	108	Hallway 1	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69722	J. Douglas Hodgson Elementary School	1	108	Hallway 1	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	20-BS-01A			A			
69670	J. Douglas Hodgson Elementary School	1	109	102	No	No	FL	VFT	4	N/D			V/C 20-BS-10						
69671	J. Douglas Hodgson Elementary School	1	109	102	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69672	J. Douglas Hodgson Elementary School	1	109	102	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			
69667	J. Douglas Hodgson Elementary School	1	110	101	No	No	FL	VFT	4	N/D			20-BS-10B						
69668	J. Douglas Hodgson Elementary School	1	110	101	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69669	J. Douglas Hodgson Elementary School	1	110	101	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			
69663	J. Douglas Hodgson Elementary School	1	112	Boy's Washroom	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69664	J. Douglas Hodgson Elementary School	1	113	Girl's Washroom	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69682	J. Douglas Hodgson Elementary School	1	114	302	No	No	FL	VFT (New)	5	N/A			N/S						Replaced with new VFT
69683	J. Douglas Hodgson Elementary School	1	114	302	No	No	CL	CT	2	N/D			20-BS-06C						
69684	J. Douglas Hodgson Elementary School	1	115	303	No	No	FL	VFT (New)	5	N/A			N/S						Replaced with new VFT
69685	J. Douglas Hodgson Elementary School	1	115	303	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69665	J. Douglas Hodgson Elementary School	1	116	Staff Washroom W/C 1	No	No	CL	CT	2	N/D			V/C 20-BS-06						




**APPENDIX I - ROOM BY ROOM ASBESTOS INVENTORY**

	<b>STRUCTURAL ELEMENT</b> RF: Roof      B/J: Beams/Joists WN: Window      CB: Chalkboard FL: Floor      PI: Pipe CL: Ceiling      DT: Duct WL: Wall      BL: Boiler DK: Deck      MC: Mechanical SF: Soffits		<b>ACCESSIBILITY</b> 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			<b>TERMINOLOGY</b> ACM: Asbestos Containing Material      N/A: Not Applicable      PL: Plaster      TB: Transite Board      VSF: Vinyl Sheet Flooring CT: Ceiling Tile      N/Anz: Not Analyzed      RM: Roofing Materials      TP: Transite Pipe      V/C: Visually Consistent w/ Other Sampled Material DJC: Drywall Joint Compound      N/D: None Detected      SFP: Sprayed Fireproofing      VI: Vermiculite Insulation FTG: Fitting      PI-AC: Pipe Insulation - Aircell      SF: Square Feet      VFT: Vinyl Floor Tile      WC: Window Caulking LF: Linear Feet      PI-PC: Pipe Insulation-Parging Cement      TF: Texture Finish PI-CP: Pipe Insulation-Caposite		
	<b>CONDITION</b> 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
69666	J. Douglas Hodgson Elementary School	1	117	Staff Washroom W/C 2	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69712	J. Douglas Hodgson Elementary School	1	118	Garden	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			18143-Sections of Walls Removed
69725	J. Douglas Hodgson Elementary School	1	119	Hallway 3	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69726	J. Douglas Hodgson Elementary School	1	119	Hallway 3	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			
69713	J. Douglas Hodgson Elementary School	1	120	305	No	No	FL	VFT (New)	5	N/A	-	-	N/S			-			Replaced with new VFT
69714	J. Douglas Hodgson Elementary School	1	120	305	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69702	J. Douglas Hodgson Elementary School	1	121	306	No	No	FL	VFT	2	0.5% CHRYSOTILE	-	-	V/C 12578-01			-			Replaced Summer 2013
69703	J. Douglas Hodgson Elementary School	1	121	306	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69715	J. Douglas Hodgson Elementary School	1	122	307	No	No	FL	VFT	2	0.5% CHRYSOTILE	-	-	V/C 12578-01			-			Replaced Summer 2013
69716	J. Douglas Hodgson Elementary School	1	122	307	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69717	J. Douglas Hodgson Elementary School	1	122	307	No	Yes	FTG	PI-PC		15% CHRYSOTILE			20-BS-03A-B						Replaced Summer 2013
69727	J. Douglas Hodgson Elementary School	1	123	Hallway 4	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69728	J. Douglas Hodgson Elementary School	1	123	Hallway 4	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			
69729	J. Douglas Hodgson Elementary School	1	123	Hallway 4	No	No	PI	PI-SW		N/D	-	-	20-BS-02C			-			
69730	J. Douglas Hodgson Elementary School	1	124	310	No	No	FL	VFT (New)	5	N/A	-	-	N/S			-			Replaced with new VFT
69731	J. Douglas Hodgson Elementary School	1	124	310	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69732	J. Douglas Hodgson Elementary School	1	124	310	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			
69733	J. Douglas Hodgson Elementary School	1	125	311	No	No	FL	VFT (New)	5	N/A	-	-	N/S			-			Replaced with new VFT
69734	J. Douglas Hodgson Elementary School	1	125	311	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69735	J. Douglas Hodgson Elementary School	1	125	311	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			
69743	J. Douglas Hodgson Elementary School	1	126	Boy's Washroom 2	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69744	J. Douglas Hodgson Elementary School	1	126	Boy's Washroom 2	No	No	PI	PI-SW		N/D			V/C 20-BS-02						
69741	J. Douglas Hodgson Elementary School	1	127	Girl's Washroom 2	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69742	J. Douglas Hodgson Elementary School	1	127	Girl's Washroom 2	No	No	PI	PI-SW		N/D			20-BS-02A-B						
69745	J. Douglas Hodgson Elementary School	1	128	312	Yes	No	FL	VFT	2	0.5% CHRYSOTILE	495 SF	G	12578-01A-C			A			
69746	J. Douglas Hodgson Elementary School	1	128	312	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69740	J. Douglas Hodgson Elementary School	1	129	106	No	No	FL	VFT (New)	5	N/A			N/S						
69736	J. Douglas Hodgson Elementary School	1	130	105	No	No	FL	VFT	4	N/D			V/C 20-BS-10						
69737	J. Douglas Hodgson Elementary School	1	130	105	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69738	J. Douglas Hodgson Elementary School	1	130	105 Music Room	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	20-BS-01D			A			
69739	J. Douglas Hodgson Elementary School	1	130	105 Music Room	Yes	No	WL	TRANSITE		VISUALLY ACM	400 SF	G	-			A			

**APPENDIX I - ROOM BY ROOM ASBESTOS INVENTORY**

 <p><b>MAPLE ENVIRONMENTAL INC.</b> ENVIRONMENT, HEALTH &amp; SAFETY CONSULTANTS</p>	<p><b>STRUCTURAL ELEMENT</b> RF: Roof      B/J: Beams/Joists WN: Window      CB: Chalkboard FL: Floor      PI: Pipe CL: Ceiling      DT: Duct WL: Wall      BL: Boiler DK: Deck      MC: Mechanical SF: Soffits</p>	<p><b>ACCESSIBILITY</b> 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</p>	<p><b>TERMINOLOGY</b> ACM: Asbestos Containing Material      N/A: Not Applicable CT: Ceiling Tile      N/Anz: Not Analyzed DJC: Drywall Joint Compound      N/D: None Detected FTG: Fitting      PI-AC: Pipe Insulation - Aircell LF: Linear Feet      PI-PC: Pipe Insulation-Parging Cement PI-CP: Pipe Insulation-Caposite</p>	<p>PL: Plaster      TB: Transite Board RM: Roofing Materials      TP: Transite Pipe SFP: Sprayed Fireproofing      VI: Vermiculite Insulation SF: Square Feet      VFT: Vinyl Floor Tile TF: Texture Finish</p>	<p>VSF: Vinyl Sheet Flooring V/C: Visually Consistent w/ Other Sampled Material WC: Window Caulking</p>
	<p><b>CONDITION</b>    G: Good    F: Fair    P: Poor</p>				

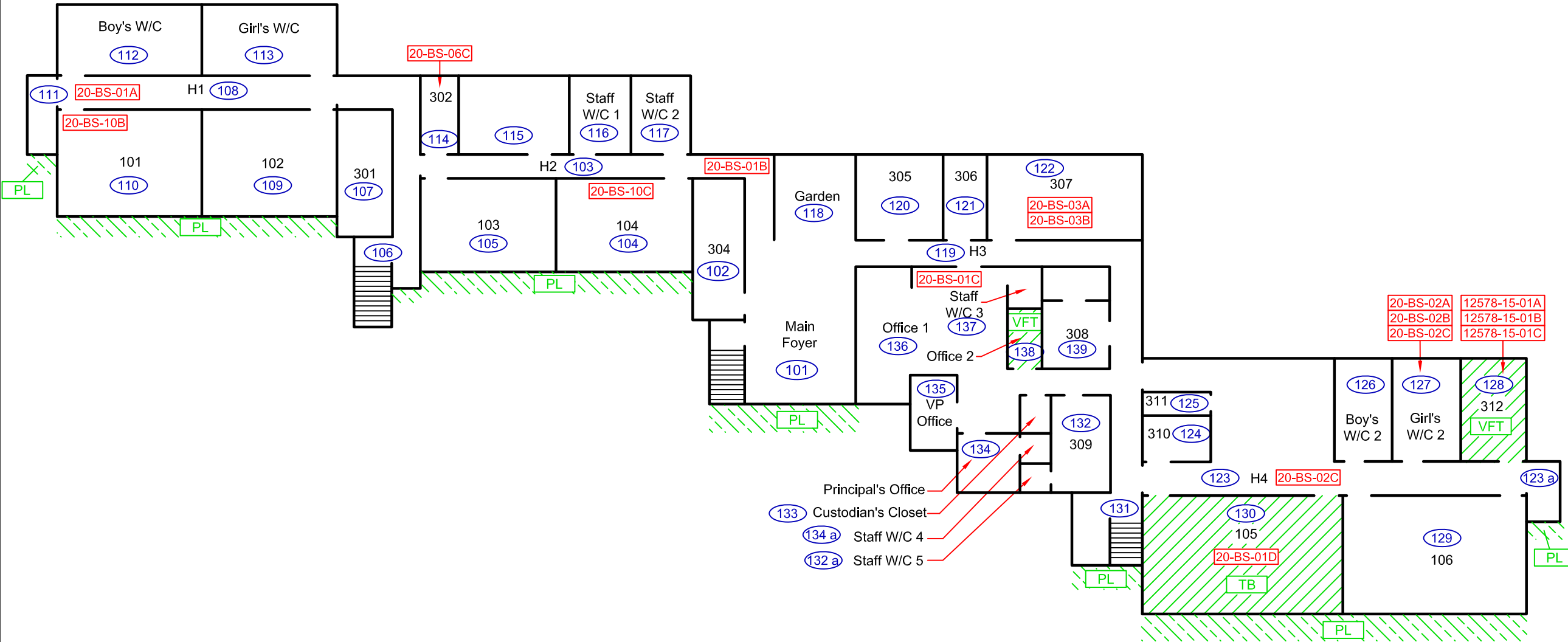
ID	Facility	Floor #	Room #	Room name	Has ACM	Friable	Struct. Elem.	Application	Material	Type	Qty	Condition	Sample #	Action	Ref #	Comments 1	Comments 2	Comments 3	Notes
69707	J. Douglas Hodgson Elementary School	1	132	309	No	No	FL	VFT	4	N/D			V/C 20-BS-10						
69708	J. Douglas Hodgson Elementary School	1	132	309	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69709	J. Douglas Hodgson Elementary School	1	132	309	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			
69694	J. Douglas Hodgson Elementary School	1	132A	Staff Washroom 5	No	No	FL	VFT	4	N/D			V/C 20-BS-10						
69695	J. Douglas Hodgson Elementary School	1	132A	Staff Washroom 5	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69698	J. Douglas Hodgson Elementary School	1	133	Custodian Closet	No	No	FL	VFT	2	0.5% CHRYSOTILE	-	-	V/C 12578-01			-			Replaced Summer 2013
69699	J. Douglas Hodgson Elementary School	1	133	Custodian Closet	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69690	J. Douglas Hodgson Elementary School	1	134	Principal's Office	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69691	J. Douglas Hodgson Elementary School	1	134	Principal's Office	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			
69692	J. Douglas Hodgson Elementary School	1	134A	Staff Washroom 4	No	No	FL	VFT	4	N/D			V/C 20-BS-10						
69693	J. Douglas Hodgson Elementary School	1	134A	Staff Washroom 4	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69688	J. Douglas Hodgson Elementary School	1	135	Vice-Principal's Office	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69689	J. Douglas Hodgson Elementary School	1	135	Vice-Principal's Office	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			
69686	J. Douglas Hodgson Elementary School	1	136	Office 1	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69687	J. Douglas Hodgson Elementary School	1	136	Office 1	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	20-BS-01C			A			
69700	J. Douglas Hodgson Elementary School	1	137	Staff Washroom 3	No	No	FL	VFT	2	0.5% CHRYSOTILE	-	-	V/C 12578-01			-			Replaced Summer 2013
69701	J. Douglas Hodgson Elementary School	1	137	Staff Washroom 3	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69696	J. Douglas Hodgson Elementary School	1	138	Office 2	Yes	No	FL	VFT	2	0.5% CHRYSOTILE	1	G	V/C 12578-01			A			
69697	J. Douglas Hodgson Elementary School	1	138	Office 2	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69718	J. Douglas Hodgson Elementary School	1	139	308	No	No	FL	VFT	4	N/D			V/C 20-BS-10						
69719	J. Douglas Hodgson Elementary School	1	139	308	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69720	J. Douglas Hodgson Elementary School	1	139	308	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			
69802	J. Douglas Hodgson Elementary School	2	202	Hallway 5	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69803	J. Douglas Hodgson Elementary School	2	202	Hallway 5	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	20-BS-01E			A			
69804	J. Douglas Hodgson Elementary School	2	202	Hallway 5	Yes	Yes	FTG	PI-PC		15% CHRYSOTILE	2	G	V/C 20-BS-03			D			
69794	J. Douglas Hodgson Elementary School	2	203	Kitchen	No	No	FL	VFT	4	N/D			V/C 20-BS-10						
69795	J. Douglas Hodgson Elementary School	2	203	Kitchen	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69796	J. Douglas Hodgson Elementary School	2	203	Kitchen	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			18143 Sections Removed
69797	J. Douglas Hodgson Elementary School	2	204	211	No	No	FL	VFT	3	N/D			20-BS-09A-C						
69798	J. Douglas Hodgson Elementary School	2	204	211	No	No	CL	CT	2	N/D			V/C 20-BS-06						
69799	J. Douglas Hodgson Elementary School	2	204	211	Yes	No	WL	DJC		3% CHRYSOTILE	1	G	V/C 20-BS-01			A			





**APPENDIX II**  
**DRAWINGS**

**Please Note:**  
 Drywall Joint Compound (DJC) has been indentified as ASBESTOS CONTAINING throughout the building.



**LEGEND**

12578-XX-01A	ECOH Sample Locations
01-BS-01A	Jacques Whitford Sample Locations
#	Ebase Number

**CONFIRMED ACM**

SYMBOL	DESCRIPTION
	Friable Asbestos-Containing Material
	Non-Friable Asbestos-Containing Material
VFT	Vinyl Floor Tile (Non-Friable Asbestos-Containing Material)
PI	Pipe Insulation (Friable Asbestos-Containing Material)
TB	Texture Board (Non-Friable Asbestos-Containing Material)
PL	Textured Plaster (Friable Asbestos-Containing Material)
NOTE	Drywall Joint Compound

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.

**J. Douglas Hodgson Elementary School**  
 1020 Grass Lake Road,  
 Haliburton, Ontario

**First Floor Plan**

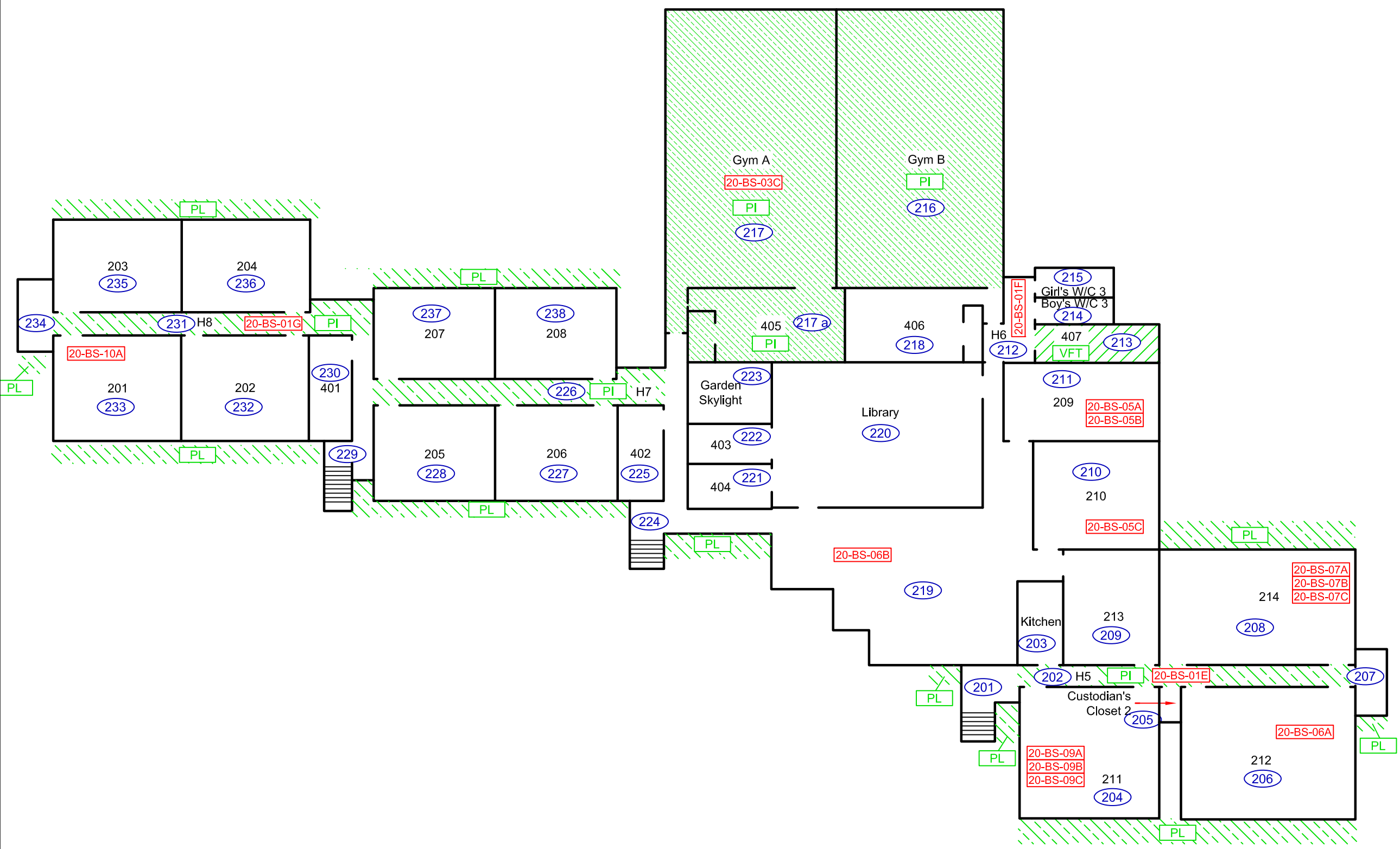
Asbestos Materials Re-Assessment Survey

CLIENT: Trillium Lakelands District School Board

PROJECT NUMBER: 19359-15	DATE: September 2021	DRW BY: M. Pollock
	SCALE: Not to Scale	CHK BY: K. Prosser



Please Note:  
 Drywall Joint Compound (DJC) has been indentified as  
 ASBESTOS CONTAINING throughout the building.



**LEGEND**

- 12578-XX-01A ECOH Sample Locations
- 01-BS-01A Jacques Whitford Sample Locations
- # Ebase Number

**CONFIRMED ACM**

SYMBOL	DESCRIPTION
	Friable Asbestos-Containing Material
	Non-Friable Asbestos-Containing Material
<span style="border: 1px solid green; padding: 2px;">VFT</span>	Vinyl Floor Tile (Non-Friable Asbestos-Containing Material)
<span style="border: 1px solid green; padding: 2px;">PI</span>	Pipe Insulation (Friable Asbestos-Containing Material)
<span style="border: 1px solid green; padding: 2px;">TB</span>	Texture Board (Non-Friable Asbestos-Containing Material)
<span style="border: 1px solid green; padding: 2px;">PL</span>	Textured Plaster (Friable Asbestos-Containing Material)
NOTE	Drywall Joint Compound

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.

**J. Douglas Hodgson Elementary School**  
 1020 Grass Lake Road,  
 Haliburton, Ontario

**Second Floor Plan**

Asbestos Materials Re-Assessment Survey

CLIENT: Trillium Lakelands District School Board

PROJECT NUMBER: 19359-15	DATE: September 2021	DRW BY: M. Pollock
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 Tile	Grey with black and white specks	12 x 12	07A-C	Room 214	None
VFT-2	Vinyl Floor Tile	White with grey smears	12 x 12	12578-01A-C	Room 312	0.5% Chrysotile
VFT-3	Vinyl Floor Tile	Green with grey smears	12 x 12	09A-C	Room 211	None
VFT-4	Vinyl Floor Tile	White with beige smears	12 x 12	10A-C	Rooms 210, 101, 104	None
VFT-5	Vinyl Floor Tile	New Vinyl Floor Tiles	12 x 12	N/S	NA	None
CT-1	Ceiling Tile	Long fissure pinhole pattern	2 x 4	05A-C	Rooms 209, 210	None
CT-2	Ceiling Tile	Pinhole pattern	2 x 4	06A-C	Rooms 212, 302, Library	None