

Masonry Filler Asbestos Sample Report

PROJECT INFORMATION			
Client:	Trillium Lakelands District School Board	Date on Site:	November 22, 2024
Project Address:	I.E. Weldon Secondary School 24 Weldon Rd, Lindsay, ON	Date of Report:	December 18, 2024
Project Location:	Construction Phase 1971, 1982 and 1994	Project No.:	22134
Maple Representative:	Jayden Leclerc	Page:	1 of 3 +attachment

REPORT DISTRIBUTION:		
Company	Contact	Issued To
TLDSB	Darren Lambert	darren.lambert@tldbs.on.ca

SITE REPORT TYPE		
<input type="checkbox"/> Type 1 Work Area	<input type="checkbox"/> Type 2 Work Areas	<input type="checkbox"/> Glove Bag Methods
<input type="checkbox"/> Clean Site Preparation	<input type="checkbox"/> Upper Seals	<input type="checkbox"/> Prior to Bulk Removal
<input type="checkbox"/> Bulk Removal	<input type="checkbox"/> Visual Clearance	<input type="checkbox"/> Air Monitoring
<input type="checkbox"/> Dismantle	<input type="checkbox"/> Waste Transfer	<input checked="" type="checkbox"/> Bulk Sampling

BACKGROUND

Maple Environmental Inc. (Maple) was retained by the Trillium Lakelands District School Board to perform environmental consulting services associated with I.E. Weldon Secondary School located at 24 Weldon Rd, Lindsay, Ontario ('the Site').

The scope of the project included the collection and analysis of Masonry Filler for the determination of asbestos content. Samples were collected from representative locations in each pre-1996 construction phase in the building as requested by Trillium Lakelands District School Board in an attempt to delineate asbestos versus non-asbestos locations.

Masonry Filler is a cementitious sealant or primer that is typically applied to masonry products such as concrete blocks to enable the masonry to accept a paint finish.

ASBESTOS BULK SAMPLING

Representative samples were collected from each of the 1966 and 1969 construction phases. A total of twenty-three (23) bulk samples were collected and submitted for the determination of asbestos content. Due to the presence of more than one phase of material in some of the original samples, the laboratory may have performed more than one analysis for some samples. As a result, a total of twenty-four (24) samples were analyzed.

The asbestos bulk samples were analysed by EMC Scientific, an independent accredited laboratory. The analytical method follows the Ontario Ministry of Labour Code for the

Determination of Asbestos from Bulk Samples. A summary of the laboratory results is provided in Table 1 below. Attachment A presents the detailed final analytical results.

TABLE 1: ASBESTOS BULK SAMPLE RESULTS				
Building Phase	Sample Number	Sample Location	Sample Description	Results
1971	S-01A	Room 116	White Primer	None Detected
	S-01B	Room 110	Off White Primer	1% Chrysotile
	S-01C	Room 103G	Blue Primer	None Detected
			White Primer	1% Chrysotile
	S-01D	Room 175A	White Primer	None Detected
	S-01E	Room 168A	White Primer	None Detected
	S-01F	Room 203	White Primer	1% Chrysotile
	S-01G	Room 215	White Primer	None Detected
	S-01H	Room 218	White Primer	None Detected
	S-01I	Room 272	White Primer	None Detected
	S-01J	Room 267	White Primer	0.5% Chrysotile
1982	S-02A	Room 156	White Primer	1% Chrysotile
	S-02B	Room 184	White Primer	1% Chrysotile
	S-02C	Room 150	White Primer	1% Chrysotile
	S-02D	Room 133	White Primer	None Detected
	S-02E	Room 126	White Primer	None Detected
	S-02F	Room 228	White Primer	None Detected
	S-02G	Room 233	White Primer	None Detected
	S-02H	Room 253	White Primer	1% Chrysotile
	S-02I	Room 261	White Primer	1% Chrysotile
	S-02J	Room 257	White Primer	1% Chrysotile
1994	S-03A	Room 131	White Primer	None Detected
	S-03B	Room 131B	White Primer	None Detected
	S-03C	Room 131A	White Primer	None Detected

DISCUSSION OF ASBESTOS RESULTS

The following is a brief description of the materials currently sampled for the determination of asbestos content. Refer to drawings in Attachment B for sample locations.

1971 Construction Phase:

Asbestos-containing Masonry Filler was observed to be present in various locations within the 1971 construction phase.

A total of ten (10) representative samples (Sample Set S-01) of Masonry Filler were collected

and analyzed for the determination of asbestos content. Analysis of Sample S-01B, S-01C, S-01F and S-01J found that the material contains **Chrysotile asbestos**. Samples S-01A, S-01D, S-01E and S-01G to S-01I found not to contain asbestos.

1982 Construction Phase:

Asbestos-containing Masonry Filler was observed to be present in various locations within the 1982 construction phase.

A total of ten (10) representative samples (Sample Set S-02) of Masonry Filler were collected and analyzed for the determination of asbestos content. Analysis of Sample S-02A to S-02C and S-02H and S-02J found that the material contains **1% Chrysotile asbestos**. Samples S-02D to S-02G found not to contain asbestos.

1994 Construction Phase:

Non-asbestos Masonry Filler was observed to be present in various locations within the 1994 construction phase.

Ten (10) representative samples (Sample Set S-03) of Masonry Filler were collected and analyzed for the determination of asbestos content. Analysis of Sample Set S-03 confirmed that the material does not contain asbestos.

CONCLUSIONS & RECOMMENDATIONS

Based on the results of the sampling, Masonry Filler in the 1971 and 1982 construction phase was confirmed to contain **Chrysotile asbestos**. At a minimum, all Masonry Filler in the 1966 construction phase should be considered as asbestos-containing. Removal or disturbance of asbestos-containing masonry filler requires the use of Type 1, Type 2 or Type 3 asbestos procedures depending on the scope of work and the work procedures being utilized by the contractor.

Based on the results of current sampling, the Masonry Filler in construction Phase 1994 does not contain asbestos. It is recommended that project specific sampling of masonry filler be conducted as part of future designated substance surveys to confirm or deny the presence of asbestos.

End of Report

MAPLE ENVIRONMENTAL INC.
Environment, Health and Safety Consultants



Jayden Leclerc
Project Technologist

ATTACHMENT A:
ANALYTICAL REPORT FOR ASBESTOS BULK SAMPLES

Laboratory Analysis Report

To:

Jayden Leclerc
Maple Environmental Inc.
482 South Service Road East, Suite 116
Oakville, Ontario
L6J 2X6

EMC LAB REPORT NUMBER: A112287
Job/Project Name: E.I Weldon Secondary School
Analysis Method: Polarized Light Microscopy – EPA 600
Date Received: Nov 26/24 **Date Analyzed:** Dec 10 & 11/24
Analyst: Matthew Phillip
Reviewed By: Malgorzata Sybydlo

No. of Phases Analyzed: 24
Job No: 22134
Number of Samples: 23
Date Reported: Dec 11/24

Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
S01A	A112287-1 ⁵	Masonry filler / 1971, ebase 116	White, primer	ND			100
S01B	A112287-2 ⁵	Masonry filler / 1971, ebase 110	Off white, primer	Chrysotile	1		99
S01C	A112287-3 ⁵	Masonry filler / 1971, ebase 103G	2 Phases: a) Blue, primer b) White, primer	ND Chrysotile	1		100 99
S01D	A112287-4 ⁵	Masonry filler / 1971, ebase 175A	White, primer	ND			100
S01E	A112287-5 ⁵	Masonry filler / 1971, ebase 168A	White, primer	ND			100
S01F	A112287-6 ⁵	Masonry filler / 1971, ebase 203	White, primer	Chrysotile	1		99
S01G	A112287-7 ⁵	Masonry filler / 1971, ebase 215	White, primer	ND			100
S01H	A112287-8 ⁵	Masonry filler / 1971, ebase 218	White, primer	ND			100
S01I	A112287-9 ⁵	Masonry filler / 1971, ebase 272	White, primer	ND			100
S01J	A112287-10 ⁵	Masonry filler / 1971, ebase 267	White, primer	Chrysotile	0.5		99.5
S02A	A112287-11 ⁵	Masonry filler / 1982, ebase 156	White, primer	Chrysotile	1		99
S02B	A112287-12 ⁵	Masonry filler / 1982, ebase 184	White, primer	Chrysotile	1		99
S02C	A112287-13 ⁵	Masonry filler / 1982, ebase 150	White, primer	Chrysotile	1		99
S02D	A112287-14 ⁵	Masonry filler / 1982, ebase 133	White, primer	ND			100
S02E	A112287-15 ⁵	Masonry filler / 1982, ebase 126	White, primer	ND			100

EMC LAB REPORT NUMBER: A112287

Client's Job/Project Name/No.: 22134

Analyst: Matthew Phillip

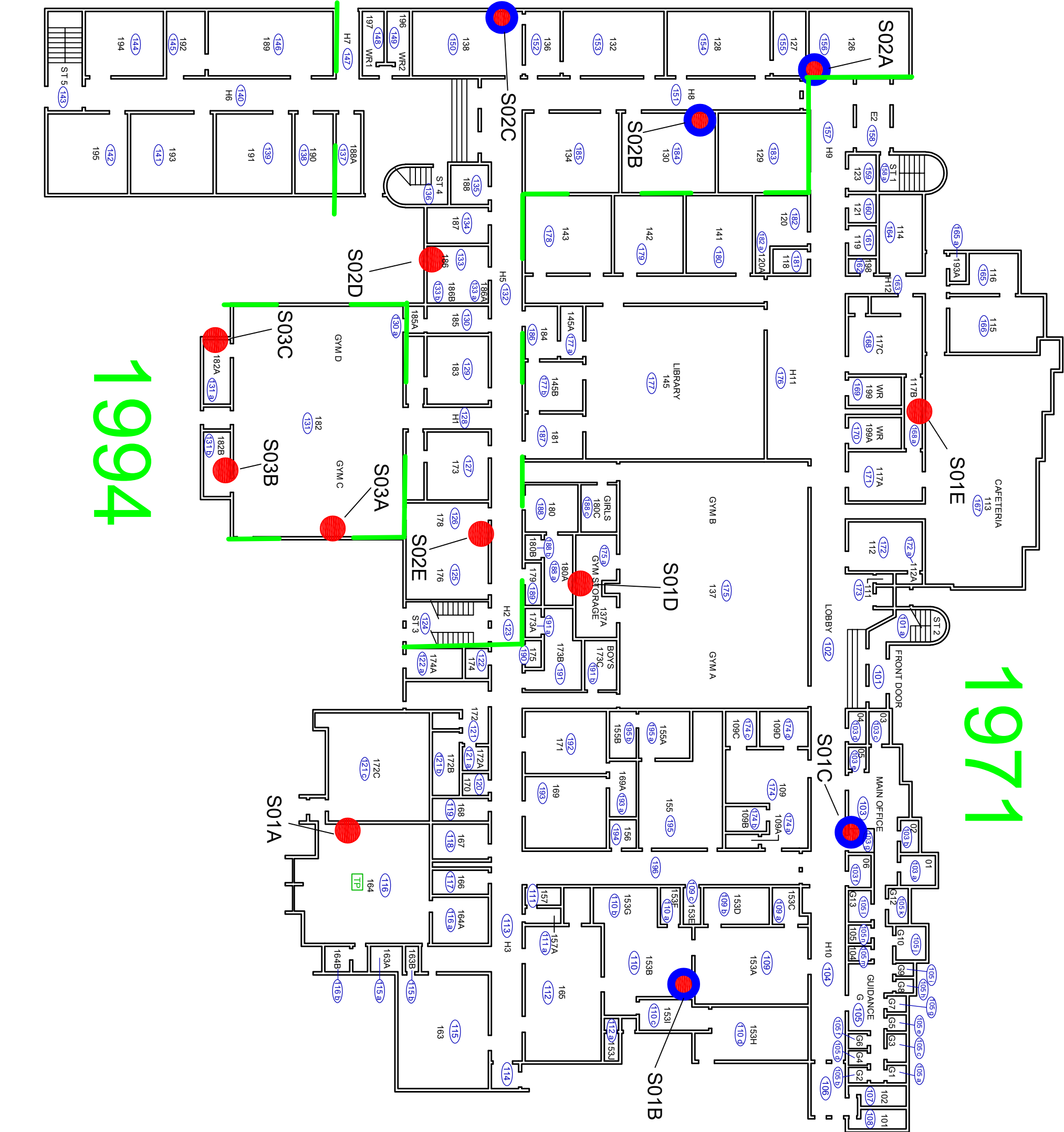
Client's Sample ID	Lab Sample No.	Description/Location	Sample Appearance	SAMPLE COMPONENTS (%)			
				Asbestos Fibres		Non-asbestos Fibres	Non-fibrous Material
S02F	A112287-16 ⁵	Masonry filler / 1982, ebase 228	White, primer	ND			100
S02G	A112287-17 ⁵	Masonry filler / 1982, ebase 233	White, primer	ND			100
S02H	A112287-18 ⁵	Masonry filler / 1982, ebase 253	White, primer	Chrysotile	1		99
S02I	A112287-19 ⁵	Masonry filler / 1982, ebase 261	White, primer	Chrysotile	1		99
S02J	A112287-20 ⁵	Masonry filler / 1982, ebase 257	White, primer	Chrysotile	1		99
S03A	A112287-21 ⁵	Masonry filler / 1994, ebase 131	White, primer	ND			100
S03B	A112287-22 ⁵	Masonry filler / 1994, ebase 131B	White, primer	ND			100
S03C	A112287-23 ⁵	Masonry filler / 1994, ebase 131A	White, primer	ND			100

Note:

1. Bulk samples are analyzed using Polarized Light Microscopy (PLM) and dispersion staining techniques. The analytical procedures are in accordance with EPA 600/R-93/116 method.
2. The results are only related to the samples analyzed. **ND** = None Detected (no asbestos fibres were observed), **NA** = Not Analyzed (analysis stopped due to a previous positive result).
3. This report may not be reproduced, except in full without the written approval of EMC Scientific Inc. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.
4. The Ontario Regulatory Threshold for asbestos is 0.5%. The limit of quantification (LOQ) is 0.5%.
5. Another phase is present but was not analyzed as requested.

ATTACHMENT B:
DRAWINGS

LEGEND	
<div>#</div> <div>S-xxx</div>	Ebase Number Masonry Filler Sample Number
CONFIRMED ACM	
SYMBOL	DESCRIPTION
<div></div>	Masonry Filler Containing Asbestos
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.	
I.E. Weldon Secondary School	
24 Weldon Road	
Lindsay, Ontario	
First Floor Plan	
Asbestos Masonry Filler Sampling	
CLIENT: Trillium Lakelands District School Board	
PROJECT NUMBER: 22134-48	DATE: December 2024
DRW BY: J. Lederer	SCALE: Not to Scale
CHK BY: K. Prosser	
<div><div></div><div>MAPLE ENVIRONMENTAL INC.</div><div>ENVIRONMENT, HEALTH & SAFETY CONSULTANTS</div></div>	

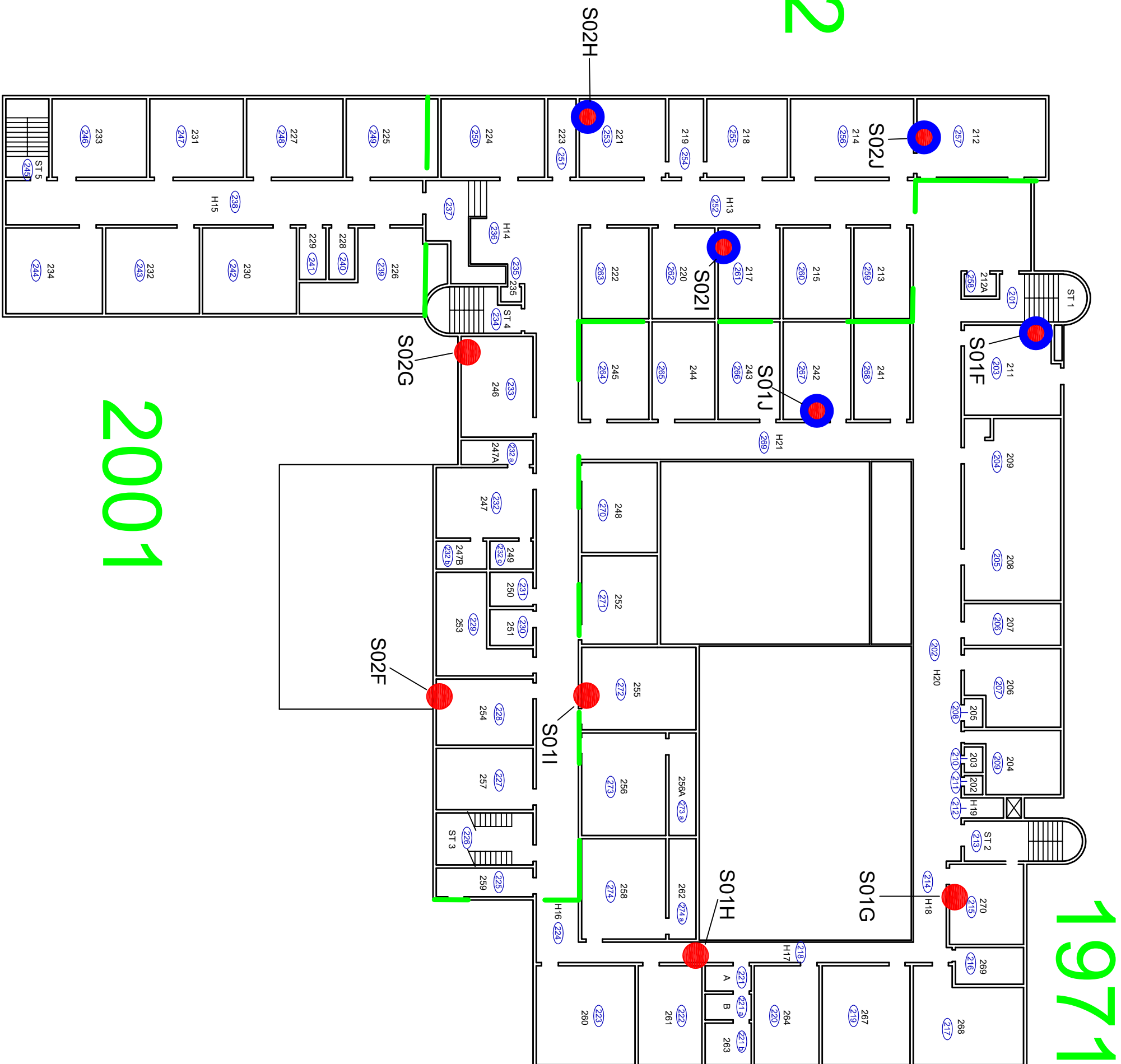




1971

1982

2001

1994



LEGEND			
#	Ebase Number		
S-xxx	Masonry Filler Sample Number		
CONFIRMED ACM			
SYMBOL	DESCRIPTION		
	Masonry Filler Containing Asbestos		
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			
I.E. Weldon Secondary School			
24 Weldon Road			
Lindsay, Ontario			
Second Floor Plan			
Asbestos Masonry Filler Sampling			
CLIENT: Trillium Lakelands District School Board			
PROJECT NUMBER:	DATE:	DRW BY:	
22134-48	December 2024	J. Leclerc	
SCALE:	CHK BY:		
Not to Scale	K. Prosser		
			
MAPLE ENVIRONMENTAL INC.			
ENVIRONMENT, HEALTH & SAFETY CONSULTANTS			