2022-PW-16-1

Title: Town Hall Addition

Location: Town of Pelham

ADDENDUM NO. 1

I DIRECTIVE

This Addendum shall form an integral part of the plans and specifications for the above project and shall be read in conjunction therewith. This Addendum shall, however, take precedence over all requirements of the previously issued drawings and specifications with which it may prove to be at variance, unless otherwise clarified by the Engineer.

This addendum must be signed by the Tenderer in the appropriate space and must be uploaded as a PDF to the bid document with submission.

II REVISION

In keeping with the changes noted in this Addendum, Please refer to the next page.

June 24, 2022 Total Pages: 82

QUESTIONS

Question 1:

In review of the drawings the clock tower work is noted as 'Alternative Price'; however on the tender form there is only 'breakout prices.' Can you please confirm these items are the same items.

Answer 1: Confirmed. These are the same items. Drawings to be revised to indicate breakout price.

Question 2:

In review of the tender form verbiage under 'Contract Price', please confirm that the Line Item 'General Trades' is to include all other items, i.e., allowances, general conditions, etc.

Answer 2: General trades includes all work associated other than mechanical and electrical work and includes all cash allowances.

Question 3:

In review of the tender documents we would kindly request that the Breakout Pricing and the Sub-contractor list be submitted 1 hr. after the base bid is submitted as most of the requested information is accumulated last minute and will require time to fill in all the items.

Also, with regards to the base bid/contract price, it is noted that it is to separate into 3 sections with a subtotal; however, in a typical tender only one price is submitted and once the tender is awarded a breakdown would be provided. Please advise.

Answer 3: The closing for Tender Amount and Breakout pricing will be extended until Monday, July 11 at 10 am local time to allow additional time for submission.

Question 4:

Drawing A0.10 General Life Safety Note #6 - Please confirm quantity, class and size of fire extinguishers to be supplied

Answer 4: Provide three fire extinguishers for new building addition. Multipurpose Dry Chemical Extinguishers: Stored pressure type with hose and shut-off nozzle ULC labelled for A, B, and C fires, with wall brackets. Size 10lb minimum rate 4A-30BC

Provide and install two 10lb Semi-Recessed extinguisher cabinets with plex bubble window model #10SR. To be installed at each end of new corridor 101 near exit doors.

Provide and install one extinguisher in janitors closet 105 - wall mounted.

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Light Hazard Occupancy - Class A Fires - Extinguisher Rating 2A

Question 5:

Drawing E2 Trench Detail B-B and Note regarding the existing electrical feed to the panel and enclosure (by the trees) that is being discarded. Is it the intent to remove the existing 3C x #10 Teck90 ALU cable from underground or can it be cut at both ends and abandoned? If not please clarify the intent and can a photo be provided of the interior of the existing cabinet. It was not accessible at the site meeting.

Please provide photos of the existing offices and ceilings G07 and G10, where the new electrical conduit are to be run. These offices were not accessible during the site meeting.

Answer 5:

We are supplying new permanent feed from building to this enclosure. Refer to attached photos (IMG_0035) and (IMG_0014) of the inside of both enclosures.

See attached only photos on record of rooms near or in G07 and G10. See attached photo (IMG_0062) that is in G07 pointing towards the offices. This should give you an idea of the 2x4 ceiling tiles in these rooms. See attached photos 047 and 062 from outside of rooms G07 and G10.

Question 6

The completion date is not feasible due to the amount of exterior work (paving and landscaping) that will have to be completed in the Spring of 2023. Please acknowledge that exterior finishes can be completed after February 2023

Answer 6: Yes exterior finishes such as landscaping and paving can be completed early spring 2023.

Question 6A

Please identify on the site plan the available area that can be used by the Contractors for laydown area, parking, trailers, and access to the work area for machinery and cranes, etc.

Answer 6A: This will be discussed with the successful proponent after project award. Some parking and layout space will be provided by the Town.

Question 6B

Please confirm that all work in the existing building is to be completed outside of regular Town Hall working hours - afternoon and night shifts.

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Answer 6B: Correct, all work to extend power and utilities to addition from existing building is to be completed after hours. Contractor to include all overtime required to complete this work.

Question 6C

Please confirm that Door Hardware is included in the \$60,000 Cash Allowance.

Answer 6C: Confirmed. Door hardware included in \$60,000 cash allowance.

Question 6D

Please confirm that the Provisional Price for the Third Clock is not a Break Out price but an Additional price that is not included in the Base Bid.

Answer 6D: Correct, it is not a breakout price.

Question 7

What is the period for irrevocability? We require this information for the bonding.

Answer 7: Refer to attached supplementary conditions

Question 8

Is there a DSS or Hazmat Report available for the demolition trades?

Answer 8: Refer to attached designated substance report

Question 8A

Where is Section 00820 - Supplementary Conditions found?

Answer 8A: Refer to attached Supplementary Conditions 00820.

Question 8B

Is there a Geotechnical Investigation Report available for the site works trades?

Answer 8B: A geotechnical engineer to be retained under cash allowance at time of construction for inspections and testing.

Question 9

Please provide second floor plans

Answer 9: Refer to electrical drawing E5 for second floor plan.

Question 10

The specifications indicate that the Siding profile is to be Bellara and the Soffit profile is to be AD300R. However, the Architectural drawing details show the opposite. Refer to architectural details 2 & 4 on A4.10 The details show

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horizontal AD300 instead of Bellara. Please confirm if we should be following the specifications (Siding- Bellara, Soffit – AD300R) or the architectural drawing details (Siding – AD300R, Soffit – Bellara).

Answer 10: Follow specifications for siding profile. Siding and soffits to be *Bellara Series*

Question 11

Please provide clarification for East Elevation

The ground floor plan (A2.00), Along B, by gridline 7 indicates that Wall types W1 and W2 are to be divided equally (2115mm). However, on the East Elevation (A3.00) it appears as Wall type W2 runs along that wall for the complete 2115mm dimension. Shall we follow floor plans or the elevation?

Answer 11: Follow east building elevation on A3.00. Wall type W2 to run extent of 2115mm dimension.

Question 12

The bonding submission - what is the duration of the bonds __ days

Answer 12: Refer to supplementary conditions attached.

Question 13:

Are the automatic door operators and universal washroom package included in the hardware cash allowance?

Answer 13: Yes, included in the hardware cash allowance.

Question 14:

There is no soil report information. With the new regulations all soil must be tested for the removal / disposal from site. The composition of the soil may affect the disposal costs. The sampling and testing of soil should be completed asap to expedite this process.

Answer 14: A geotechnical engineer to be retained under cash allowance at time of construction for inspections and testing.

Question 15:

During demolition/construction please identify the fire egress routes to be constructed or maintained for the duration of the project.

Answer 15: No fire route needs to be maintained during construction. Access for fire fighting is adequate as is until new fire route is put in place.

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Question 16:

Is there an existing irrigation system that would require modification for the proposed scope of work?

Answer 16: No known irrigation systems require modifications at proposed scope of work.

Question 16A:

Will there be 85cu.m of topsoil on-site for the proposed lawn restoration? Or are we to allow for imported topsoil for this restoration?

Answer 16A: Allow for imported topsoil and reused topsoil as required.

Question 17:

Under Section 01020 Cash Allowance, it indicates "Roofing" as part of cash allowance. Please clarify whether this is entirely for the new roofing of the new addition or for roof-tie ins only between new and existing roof.

Answer 17: Roofing cash allowance is for inspections only at new addition.

Question 18:

Please provide location where window W3 is required

Answer 18: Window type inadvertently labelled W4 at existing council chambers G11 on ground floor plan to be window type W3 as per window elevations.

Note: Window type inadvertently labelled W5 at vestibule 100 on ground floor plan to be window type W4 (glass block as per window elevations)

Question 19:

On drawing A2.00, there is a PDO (power door operator) in the universal washroom door 104A. However, door schedule on drawing A2.10 does not indicate requirement for PDO for door 104A. Please clarify

Answer 19: Yes, power door operator required for door 104A. Refer to attached sketch ADD-01 SK-02 for revised door schedule.

Question 20:

Door schedule on drawing A2.10 indicate PDO on door 103B of Community Room. However, none is indicated on partial ground floor plan on arch drawing A2.00 and electrical drawing E3.

Answer 20: PDO inadvertently labelled. Refer to attached sketch ADD-01 SK-02 for revised door schedule.

Question 21:

Due to on-going supply chain disruptions affecting construction industry, would you consider extending substantial completion to May 2023

Answer 21: No this is not possible.

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ARCHITECTUAL ITEMS

Item 1

Shower at universal washroom 104 **to be deleted**. Refer to attached sketch **ADD-01-SK-01** for revised floor plan at deletion of shower.

- Delete all related washroom accessories related to shower.
- Delete all ceramic wall tile and shower floor tile complete with waterproofing at shower stall
- Delete shower head, floor drain, and all mechanical piping connections related to shower stall
- Delete partition type P3 at shower stall and extend P1 per attached sketch
- Delete gypsum board ceiling and pot light
- Extend ACT and track in community room 103 to suit
- Shift door and window as per attached sketch to suit

Item 2

Refer to attached sketch ADD-01 SK-02 for revisions to door schedule.

Item 3

SAFTI FIRST fire rated glass products to be added to specifications section 08800 - 2.1.5 as an additional accepted manufacturer.

SAFTI FIRST SuperClear 45 HS/HS LI Fire Rated Glazing

Item 4

ADD Alternative Glass Block Manufacturer to Specification to section 04200 2.1.5.2 -

- 5. Glass Block Units:
- .2 Seves Nubio 6x8x4 Clear intersecting wave patterns. Set in neoprene perimeter edging and metal frame.

ELECTRICAL ITEMS

Item 1

Power to be provided to specified clocks located at clock tower as per attached electrical ADDENDUM ADD-E01 issued by Hallex Engineering.

MECHANICAL ITEMS

Item 1

Refer to attached mechanical addendum MA-01 for revised locations of rainwater leaders and storm piping routing.

END OF ADDENDUM NO. 1

The Standard Construction Document <u>CCDC 2, 2008,</u> Stipulated Price Contract, amended and supplemented is set forth hereinafter, shall govern the work of this Contract and shall apply to every Trade, Division and Section of work. The General Conditions of the Stipulated Price Contract shall be amended and revised as follows:

1. Article A5, Payment

- 1. Paragraph 5.1: Insert holdback amount of Twelve percent (12%).
- 2. Paragraph 5.3.1: Amend to read Zero percent (0%).

2. Article A7, Language of the Contract

1. Paragraph 7.1: Delete the totality of the paragraph.

3. GC1.1, Contract Documents

Amend the following clause to read:
 1.1.8 The Owner shall provide the Contractor, without charge, one (1) copy of the Contract Documents to perform the work.

4. GC5.10, Completion Security Account

- .1 **Add** the following paragraphs:
 - 5.10.1 The Contract Price includes the Completion Security Account stated in the Contract Documents.
 - 5.10.2 The Completion Security Account consists of 2% of the "Total Certified" on the Certificate Payment and is deducted after the construction lien holdback amount has been deducted.
 - 5.10.3 The total accumulation amount in the Completion Security Account shall be released to the Contractor upon Completion of the Contract. No partial releases from the Completion Security Account will be considered
 - 5.10.4 Following the Issuance of the certificate of Substantial Performance of the Work, and if within thirty (30) days of written notice from the Consultant, the Contractor either fails to execute the work to 100% Completion or fails to provide an acceptable schedule for the completion of the outstanding work and fails to maintain such schedule, the Owner shall in writing, terminate the Contractor's right to continue with the outstanding work and hire other forces to execute the work to 100% Completion. The cost of such work shall be deducted from the Completion Security Account.
 - 5.10.5 An administration cost may be assigned by the Owner, and deducted from the Completion Security Account as Owner sees fit, to compensate for his coordination of the additional work entailed in Paragraph .4 above.

- 5.10.6 Upon issuance of the final certificate of payment, the balance of the monies in the Completion Security Account shall become due and payable. Subject to the provisions of GC 10.4 - WORKERS' COMPENSATION, Paragraph 10.4.1, the Owner shall, not later than five (5) working days after the Issuance of such certificate, make payment to the Contractor in accordance with the provisions of Article A-5 - PAYMENT.
- 5.10.7 None of the provisions of this General Conditions shall take precedence over GC7.1 Owner's Right to Perform Work, Stop the Work or Terminate Contract, unless the Certificate of Substantial Performance of the Work has been issued, in which case the provisions of this General Condition shall govern.

5. GC6.2, Change Orders

1. Add Paragraph 6.2.3:

The value of a change shall be determined:

- a) by agreed upon Unit Prices, where unit prices are established, with full detail covering lengths, areas, cubic content, or quantities of the work plus an allowance for overhead and profit, or:
- b) by estimated cost with full details covering the quantities of materials, hours of labour and prices of both, plus an allowance for overhead and profit.
- 2. Add Paragraph 6.2.4:

The Allowance for overhead and profit, as provided in GC6.2 and GC6.3, shall be as follows:

- a) for work carried out by Contractor's own forces: 10% of the net increase in the contract price.
- b) for work carried out by Subcontractors: 5% of the net increase in the contract price.

6. GC8.2, Negotiation, Mediation & Arbitration

- .1 **Add** the following paragraphs:
 - 8.2.9 Within five (5) days of receipt of the notice of arbitration by the responding party under Paragraph 8.2.6. the Owner and the Contractor shall give the Consultant a written notice containing:
 - (a) a copy of the Notice of arbitration
 - (b) a copy of supplementary conditions 8.2.9 to 8.2.15 of this Contract, and.
 - (c) any claims or issues which the Contractor or the Owner wishes to raise in relation to the Consultant arising out of the issues in dispute in the arbitration.
 - 8.2.10 The Owner and the Contractor agree that the Consultant may elect, within ten (10) days of receipt of the notice under Paragraph 8.2.9, to become a full party to the arbitration under Paragraph 8.2.6. if the Consultant:
 - (a) has a vested or contingent financial interest in the outcome of the arbitration.

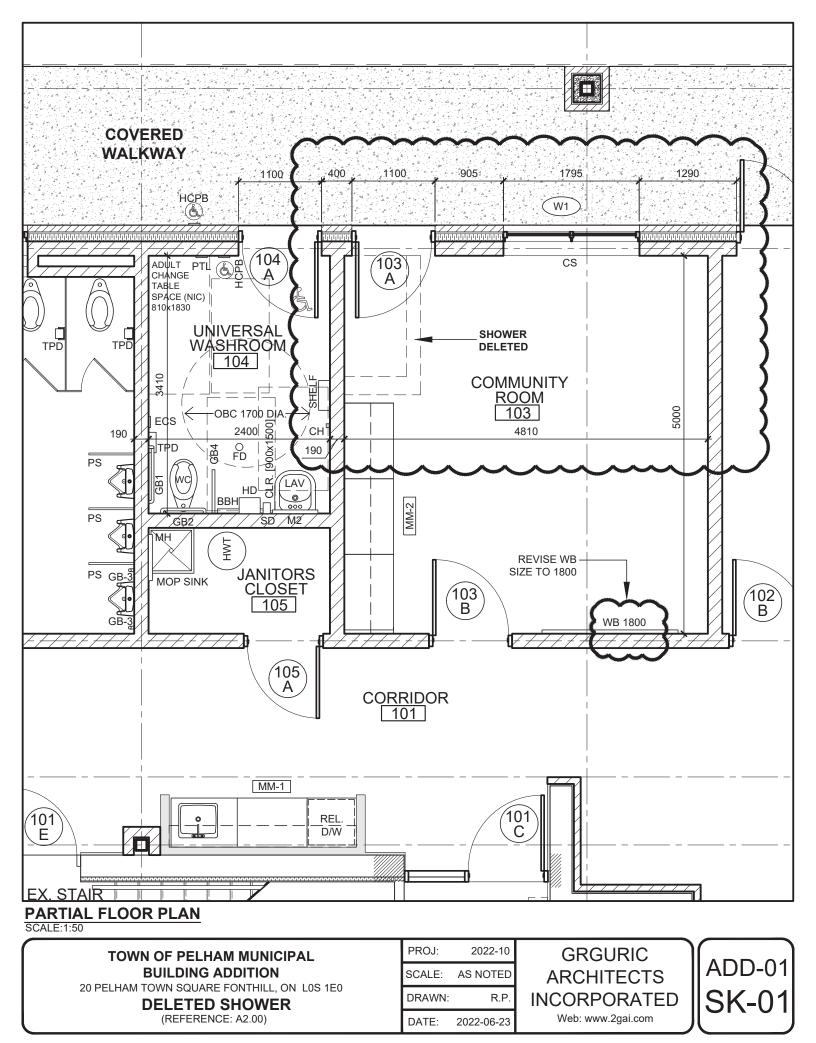
- (b) give the notice of election to the Owner and the Contractor before the arbitrator is appointed.
- (c) agrees to be a party to the arbitration within the meaning of the rules referred to in paragraph 8.2.6., and
- (d) agrees to be bound by the arbitral award made in the arbitration.
- 8.2.11 If the Consultant is not given the written notice required under paragraph 8.2.9., both the Owner and the Contractor are stopped from pursuing an action, counter claim or other proceeding or making an application against the Consultant arising out of the issues in dispute in the arbitration between the Owner and the Contractor under Paragraph 8.2.6.
- 8.2.12 If an election is made under Paragraph 8.2.10, the Consultant may participate in the appointment of the arbitrator and, notwithstanding the rules referred to in Paragraph 8.2.6, the time period for reaching agreement on the appointment of the arbitrator shall begin to run from the date the Owner issues or receives a copy of the notice of arbitration.
- 8.2.13 The arbitrator in the arbitration in which the Consultant has elected under paragraph 8.2.10 to become a full party may:
 - (a) on application of the Owner or the Contractor, determine whether the Consultant has satisfied the requirements of Paragraph 8.2.10, and:
 - (b) make any procedural order considered necessary to facilitate the addition of the Consultant as a party to the arbitration.
- 8.2.14 The provisions of paragraph 8.2.9 shall apply mutatis mutandis or written notice to be given by the Consultant to any sub-consultant.
- 8.2.15 In the event of notice of arbitration given by a Consultant to a sub-consultant, the sub-consultant is not entitled to any election with respect to the proceeding as outlined in 8.2.10, and is deemed to be bound by the arbitration proceeding.

7. GC11.2, Contract Security

.1 Add Paragraph 11.2.3.:

The Contractor shall obtain and pay all charges for Performance Bond in the amount of fifty (50%) percent of the Total Tender Amount and a Labour and Materials Bond of fifty (50%) percent of the Total Tender Amount, guaranteeing the faithful performance of the Contract, including the payment of all obligations arising under the Contract and the payment of all legal and architectural expenses incurred by the Owner.

End of Section



DOOR SCHEDU	_E															
ROOM NAME	DOOR	DOORS	DOORS								ES					
	NO.	WIDTH	HEIGHT	THK.	FIRE	TYPE	MAT'L	FINISH	GLASS	TYPE	MAT'L	FINISH		DOOR CLOSER	REMARKS	
VESTIBULE	100 A (2)	1000 (2)	2100	45	-	В	ALUM.	ANOD.	DBL GL.	2	ALUM.	ANOD.	•	•	INS, WS, TH, CL, CH, PDO	
VESTIBULE	100 B (2)	900 (2)	2050	45	-	В	ALUM.	ANOD.	TG	4	ALUM.	ANOD.	•	•	CL, CH, PDO	
CORRIDOR	101 A	1000	2150	45	-	С	НМ	PAINT	DBL GL.	1	НМ	PAINT	•	•	INS, WS, TH, CL, CH,	
CORRIDOR	101 B	1000	2150	45	- (С	НМ	PAINT	DBL GL.	1	НМ	PAINT	•	•	INS, WS, TH, CL, CH,	
CORRIDOR	101 C	1000	2200	45	45 MIN.	В	НМ	PAINT	FG	3	НМ	PAINT		•	CL	
CORRIDOR	101 D	1000	2100	45	45 MIN.	C C	НМ	PAINT	FG	1	НМ	PAINT		•	CL	
CORRIDOR	101 E	900	2100	45	45 MIN.	В	НМ	PAINT	FG	1	НМ	PAINT	•	•	CL,	
STORAGE	102 A (2)	1000 (2)	2150	45	-	A	НМ	PAINT	-	1	НМ	PAINT		•	INS, WS, TH, CL, CH,	
STORAGE	102 B	1000	2150	45	45 MIN.	A	НМ	PAINT	~ <u>`</u>	1	НМ	PAINT		(\cdot)	CL	
COMMUNITY ROOM	103 A	1000	2150	45	-	С	НМ	PAINT	DBL GL.	1	НМ	PAINT			INS, WS, TH, CL, CH,	
COMMUNITY ROOM	103 B	1000	2150	45	45 MIN.	\mathcal{C}	НМ	PAINT	FG	1	НМ	PAINT		(\cdot)	CL	
UNIVERSAL WASHROOM	104 A	1000	2150	45	-	Α	НМ	PAINT	Y)	1	НМ	PAINT		· ·	INS, WS, TH, CL, CH, PDC	
JANITORS CLOSET	105 A	950	2150	45	45 MIN.	Α	НМ	PAINT	-	1	НМ	PAINT		(\cdot)	CL	
MENS WASHROOM	106 A	1000	2150	45	-	Α	НМ	PAINT	-	1	НМ	PAINT).(INS, WS, TH, CL, CH,	
MENS WASHROOM	106 B	1000	2150	45	45 MIN.	Α	НМ	PAINT	-	1	НМ	PAINT		(\cdot)	CL	
WOMENS WASHROOM	107 A	1000	2150	45	-	Α	НМ	PAINT	-	1	НМ	PAINT		$\tilde{}$	INS, WS, TH, CL, CH,	
WOMENS WASHROOM	107 B	1000	2150	45	45 MIN.	А	НМ	PAINT	-	1	НМ	PAINT		\odot	CL	
EX. COUNCIL CHAMBERS	G11 A	1000	2150	45	-	Α	НМ	PAINT	-	1	НМ	PAINT	•	\sim	INS, WS, TH, CL, CH,	

TOWN OF PELHAM MUNICIPAL **BUILDING ADDITION**

20 PELHAM TOWN SQUARE FONTHILL, ON LOS 1E0

REVISED DOOR SCHEDULE (REFERENCE: A2.10)

PROJ: 2022-10 SCALE: AS NOTED DRAWN: DATE: 2022-06-21

GRGURIC ARCHITECTS INCORPORATED

Web: www.2gai.com



ADDENDUM

220321

ADD-E01

Job Number

Addendum Number

PROJECT: Town of Pelham Event Facility Addition

CLIENT: Grguric Architects Inc.

GENERAL CONTRACTOR: Out for tender
TRADE CONTRACTOR: Out for tender
DATE: June 23rd, 2022

AUTHOR: Brendan Gillap, C.Tech

General Note: This Addendum shall form part of the specifications and shall be brought to the attention of all concerned. The Addendum shall form an integral part and shall be read in conjunction with Specifications and Drawings and shall take precedence over all requirements to the aforementioned specifications and drawings with which it may prove to be at variance.

Receipt of this Addendum shall be acknowledged on the Bid Form. Failure to do so may subject the Proponent to disqualification.

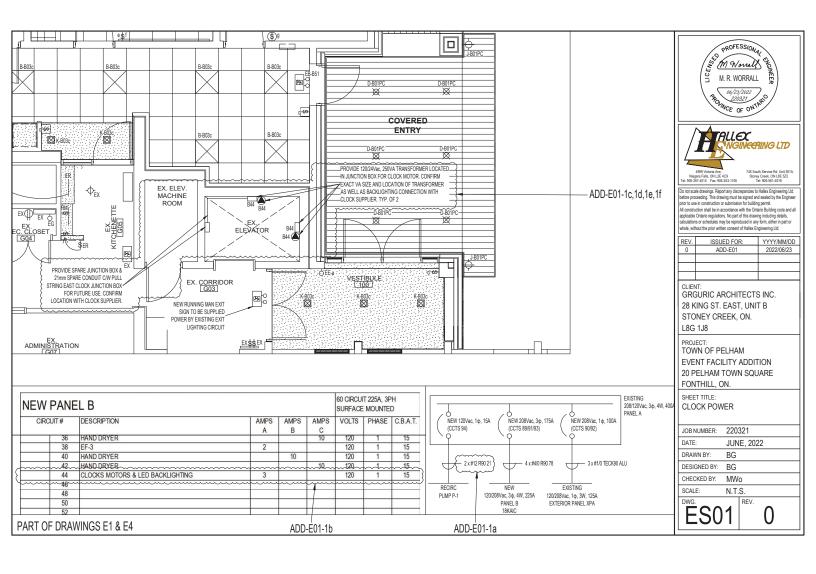
Addendum:

Item 1: Refer to Hallex Electrical Sketch ES01 (Part of Drawings E1 & E4):

- a. Update conductor size for recirc pump P-1 on panel A as shown on sketch ES01.
- b. Add 120Vac, 1ph, 15A circuit for new clock motors & LED back lighting.
- c. Provide 120/24V transformers, mounted in junction boxes for clock motors.
- d. Clock LED back lighting to be provided with clock, this contractor to provide conductors and termination to lighting.
- e. Coordinate exact location and height of transformers/junction boxes and lighting connection with clock supplier and architect.
- f. Provide spare junction box on North side for possible future clock location. Route spare conduit c/w pull string between this spare junction box and East side transformer junction box.

End of Addendum ADD-E01

Page 1 of 1





ADDENDUM

220321

MA-01

Joh Number

Addendum Number

PROJECT:	Town of Pelham Event Facility Addition
CLIENT:	Grguric Architects
GENERAL CONTRACTOR:	TBD
TRADE CONTRACTOR:	-
DATE:	June 24 th , 2022
AUTHOR:	Bryce Beamer

General Note: This Addendum shall form part of the specifications and shall be brought to the attention of all concerned. The Addendum shall form an integral part and shall be read in conjunction with Specifications and Drawings and shall take precedence over all requirements to the aforementioned specifications and drawings with which it may prove to be at variance.

Receipt of this Addendum shall be acknowledged on the Bid Form. Failure to do so may subject the Proponent to disqualification.

Addendum:

Item 1: Reference to Hallex Mechanical Drawing P1.1, Rev 3:

- 1. Roof Storm Piping Routing
 - a. Storm piping for new roof routing adjusted to run within columns to low level.

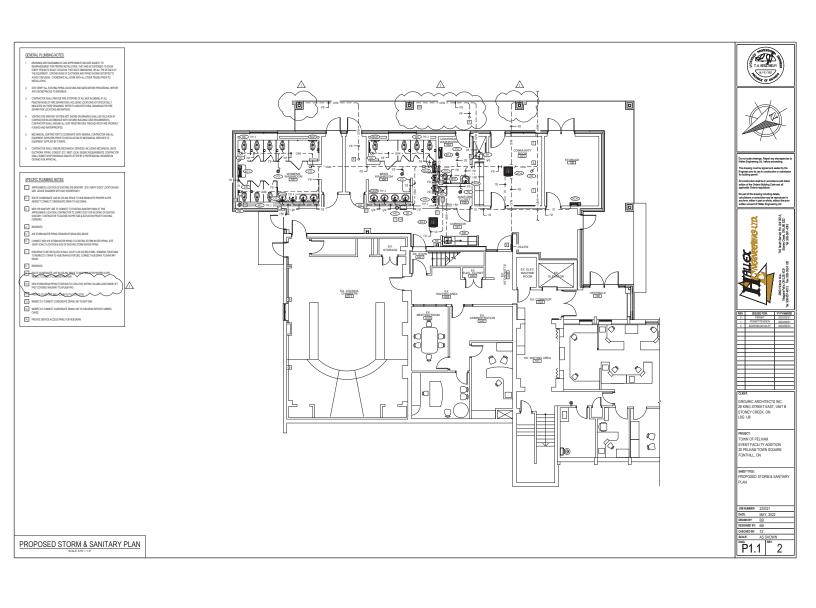
End of MA-01

Distribution:

John Grguric Internal **Grguric Architects**

johng@2gai.com

Page 1 of 1













Ontario Environmental & Safety Network Ltd.

Industrial Hygiene and Environmental Consulting

1783 Highway 20, RR#2 Allanburg, Ontario LOS 1A0

Phone: 1-888-271-2111

ASBESTOS BUILDING MATERIALS SURVEY

MUNICIPAL OFFICE – 20 Pelham Town Square, Fonthill

Contract #: 2014-PW-08 (FAC 02-14)

SUBMITTED TO: TOWN OF PELHAM

ISSUED: MAY 5, 2014

OESN PROJECT #: 00069.007

1.0 INTRODUCTION

1.1 BACKGROUND

In April 2014, Ontario Environmental & Safety Network Ltd. (OESN) was contracted by the Town of Pelham to conduct an Asbestos Building Materials Survey for the Municipal Offices, located at 20 Pelham Town Square, Fonthill, Ontario.

The purpose of the survey is to produce a record that identifies the type and location of asbestos-containing materials within the building.

1.2 SCOPE OF WORK

Survey and reporting work was competed in accordance with the technical specifications outlined in the Request for Quotation, under Contract Number: 2014-PW-08 (FAC02-14). The scope of work included the following work tasks and services:

- 1. To conduct a room-by-room visual inspection of all readily accessible areas and surfaces including above drop/false ceilings, hatches, attic and crawl space areas.
- 2. To bulk sample suspect asbestos-containing materials (ACMs) on building systems that include walls, ceiling, floor, ducts, pipes, mechanical, structure, other.
- 3. Inventory all ACMs or potential ACMs location, quantity, condition, accessibility, visibility, covering, friability, and recommend action required to meet regulatory requirements.
- 4. Prepare a comprehensive report documenting site observations, analytical results, material details, material conditions and actions recommended to meet regulatory requirements for materials judged to represent risk.

1.3 LEGISLATIVE REQUIREMENTS

There are eleven designated substances that are identified and regulated in the province of Ontario. Asbestos is the only designated substance where the building owners are required to produce a building record identifying ACMs for the purposes of operating, occupying and maintaining a building.

Sections within Ontario Regulation 278/05 Designated Substance – Asbestos on Construction Projects and in Buildings and Repair Operations² state the standards, methods and procedures for establishing the type and amount of asbestos in a material.

Analytical results contained in this report were achieved by adhering to the standards, methods and procedures stated in the regulation.³

³ Section 3, 8 and Table 1 (found on page R-48).



Page 1 of 5

¹ Ontario Regulation 490/09 Designated Substances amended to 148/12.

² Amended to 479/10.

2.0 RESULTS

The regulated limit for establishing asbestos content in materials in the Province of Ontario is 0.5% asbestos by dry weight. The following items meet the definition of an asbestos-containing material:

Flooring

1. Vinyl Floor Tile – identified in the back stairwell (drawing location number 2019)

Wall Finishes

- 1. Joint filling compound applied to the drywall board walls and ceilings (1972 construction/renovation era)
- 2. Texture Coat Wall identified on the exterior of the building on the lower window panels

Ceiling Finishes

Materials sampled were analytically determined as none detected for asbestos minerals

Duct Finishes

Materials suspect for containing asbestos minerals were not identified during the survey

Pipe Finishes

Materials suspect for containing asbestos minerals were not identified during the survey

Mechanical

Materials suspect for containing asbestos minerals were not identified during the survey

Structure

Materials suspect for containing asbestos minerals were not identified during the survey

Other

1. Sink Underlining (Gold) – identified in the kitchenette located on the second floor (drawing location number 2001).

Section 2.0 Note 1: For detailed information of each ACM, including locations and quantities refer to Appendix A: Building Material Results Summary Table.

Section 2.0 Note 2: For a representative photo of each ACM refer to Appendix C: Photo Log for Asbestos-Containing Materials. **Section 2.0** Note 3: For a complete set of analytical data establishing asbestos content, refer to Appendix D: Analytical Results.

3.0 OBSERVATIONS

3.1 BUILDING DESCRIPTION

The Municipal Office building is a two storey structure equipped with a lower level electrical room. The main structure of the building is concrete and concrete block. The main section of the building was constructed in 1967. Two additions were constructed in 1972 on both the north and south end of the building. Both the original 1967 portion of the building as well as the 1972 addition was renovated in 1989. In 2009, a Chamber Council was constructed on the north portion of the building. The addition constructed in 1972 and renovated in 1989 was updated during the time the Council Chamber was constructed.

The building currently serves as office spaces for municipal workers and Council Chambers for town council meetings. Building occupants include town staff, visitors and maintenance personnel.



Heat for the building is provided by means of rooftop HVAC units. Forced air feeds duct work running above the ceiling spaces in each room. The duct work is insulated with pre-formed fibreglass with foil wrap covering.

3.2 MATERIAL DESCRIPTION

Flooring Finishes – Several types of flooring were identified in the building. Flooring consisted of vinyl tiles, ceramic tile, concrete and carpet.

Wall Finishes – Three different types of drywall, associated with building eras, were identified during the assessment. A texture coat finish applied to lower portions of the windows was found along the exterior of the building.

Ceiling Finishes – There are a variety of ceiling finishes within the building. Ceiling applications vary from suspended ceiling tiles throughout the building as well as drywall ceiling finishes identified on the second floor within the planning department.

Duct Finishes – Duct finished included fibreglass with foil wrap covering.

Pipe Finishes – Thermal finishes included fibreglass with paper, plastic of foil wrap covering.

Mechanical – Materials suspected for containing asbestos were not observed on the mechanical components observed in the building.

Structure – White caulking was observed on the seams of the concrete ceilings as well as a caulking used around the perimeter of the exterior windows and doors. Loose insulation was observed inside the concrete block wall located behind the drywall wall in a second floor office space (drawing location number: 2004). It is assumed that this material exists within the concrete block found throughout the 1967 construction era.

Other – Brown mastic (glue) used as an adhesive for the vinyl baseboards was identified throughout the facility. White compound material applied to a wall was observed in the electrical room. A stainless steel sink was coated with glazing on the second floor. Roofing shingles and a flashing material were identified on the roof top HVAC unit.

4.0 RECOMMENDATIONS

4.1 ASBESTOS

Evaluation of material condition is determined by the field technician during site inspection. Each material is assessed using the following criteria: type of building material (e.g. flooring, pipe insulation); accessibility to the material (e.g. above or below ceiling, within arm's reach); frequency of access (e.g. office space, washroom, boiler room); and future potential for disturbance to the material (e.g. physical contact, vibration, air movement).

The materials identified as asbestos-containing were observed in satisfactory condition at the time of assessment.



Based on assessment findings and provincial asbestos legislative requirements, the following recommendations are provided:

- 1. This report is to be incorporated into an Asbestos Management Plan (AMP).
- 2. One hard copy of this report should be kept on the building premises in a designated location.
- 3. In-service training and/or notification for applicable workers and building occupants should be undertaken for every worker who works in the building.
- 4. Training requirements as outlined in Section 8 (3) (e) of Ontario Regulation 278/05 should be undertaken for every worker who works in the building. Training should include but is not limited to the hazards of asbestos exposure, protective equipment and clothing worn during asbestos work, personal hygiene required when doing asbestos work and instructions prescribed in the regulation for doing the asbestos work.
- 5. Provide information contained in this report to all vendors (contractors) prior to conduction of any building maintenance or alteration activities.
- 6. At least once in each 12 month period, the materials identified during the survey and outlined in this report should be re-inspected to determine current state of condition.

4.2 WASTE DISPOSAL

The management of asbestos waste is legislated under Section 17 of the Environmental Protection Act, Ontario Regulation 347.⁴ The regulation permits the disposal of asbestos waste in any landfill site approved for the disposal of municipal waste.

It is recommended that when a defined asbestos operation is undertaken for maintenance, renovation or alteration purposes, ACM waste and materials exposed or contaminated by exposure to airborne or bulk fibre asbestos be disposed in accordance with the requirements stated in Section 17.

It is also recommended that contractors solicited to execute asbestos operation work, submit to owner, proof of disposal to a municipal landfill with a certificate of approval for accepting municipal/asbestos waste.

5.0 CONCLUSIONS

5.1 ACM MATERIAL SUMMARY

Bulk sampling and analytical testing has determined asbestos minerals are present at 20 Pelham Town Square in both friable and non-friable buildings materials. Details for each material regarding mineral type, location, quantity and condition can be found in Appendix A: Building Material Results Summary Table.

5.2 ACM MATERIAL CONDITION SUMMARY

The materials identified as asbestos-containing were observed in satisfactory condition at the time of assessment.

⁴ Amended to 348/12.



Page **4** of **5**

6.0 LIMITATIONS

The material condition findings are relevant for the date of our site visit and should not be relied upon to represent condition at later dates.

The findings in this assessment are limited to the building materials observed in rooms or building spaces fully accessed during the time of inspection. All materials were assessed at the discretion of the inspectors.

7.0 CLOSURE

OESN has produced the findings contained in this report in compliance with applicable Provincial legislative requirements and using sound professional judgment and industry best practices.

OESN reserves the right to modify any findings reported as a result of insufficient background and historical information and inaccessible issues from building condition, design and layout.

In the event of discovery of a material during operation, maintenance or alteration to the building, bulk sampling of the material should occur by OESN to confirm asbestos material content.

This report is intended for the exclusive use of the Town of Pelham.

Please call our office if you have any questions regarding the content of this report.

Regards, Reviewed by,

Trisha McPherson Ontario Environmental & Safety Network Ltd. Field Technician – Hazardous Materials Division Jeff Drummond Ontario Environmental & Safety Network Ltd. Project Manager – Hazardous Materials Division



Appendix A: Building Material Results Summary Table

- Introduction to Table
- Building Material Results Summary Table

Building Material Results Summary Table

Building Material Results Summary Table represents a summary of building materials that were sampled and analyzed for asbestos mineral content during the assessment. Information presented in the table includes the material description, mineral type and percentage, approximate quantity, material friability, accessibility, visibility and covering type or finish as well as condition of material.

Key Terms and Definitions:

Asbestos-Containing Material (ACM): Material that contains 0.5 per cent or more by dry weight.

Friable: When dry, can be crumbled, pulverized or powdered by hand pressure, or is crumbled, pulverized or powdered.

Accessible: Can be reached without the need of a ladder (i.e. less than 3 metres from the ground) or accessible without the destruction of barriers (i.e. access hatch, suspended ceiling tile, etc.).

Visible: Can be observed without physically moving barriers (i.e. access hatch, suspended ceiling tile, etc.).

Satisfactory Condition: Material found to be in "good" condition, firmly bound or encapsulated.

Unsatisfactory Condition: Material visually demonstrating surface crumbling, blistering, water stains, nicks, gouges, or otherwise abraded.

Drawing		0.5% or >	Mineral	Approximate	Friable	Material	Material	Covering	Condition	Maintenance
Room		asbestos by	Type	Quantity	Yes/No	Accessible	Visible	Type or	Satisfactory/	Required
Location	Material Description	dry weight	, · ·			Yes/No	Yes/No	Finish	Unsatisfactory	Yes/No
		Yes/No					1 3 3 7 1 1 3		,	
		103/110								
1001	HW-03 Drywall Joint Compound Wall /Ceiling	No	-	-	-	-	-	-	-	-
1001	HC-05 Ceiling Tile 2'X2' Dimensional	No	-	-	-	-	-	-	-	-
1002	HC-01 Ceiling Tile 2'X2' Strata	No	-	-	-	-	-	-	-	-
1002	HC-05 Ceiling Tile 2'X2' Dimensional	No	-	-	-	-	-	-	-	-
1002	HM-04 Joint Compund	No	-	-	-	-	-	-	-	-
1003	HW-03 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
1003	HC-03 Ceiling Tile 2'X2' Multi-dot	No	-	-	-	-	-	-	-	-
1004	HW-03 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
1004	HC-03 Ceiling Tile 2'X2' Multi-dot	No	-	-	-	-	-	-	-	-
1005	HW-03 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
1005	HC-03 Ceiling Tile 2'X2' Multi-dot	No	-	-	-	-	-	-	-	-
1006	HW-03 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
1006	HC-03 Ceiling Tile 2'X2' Multi-dot	No	-	-	-	-	-	-	-	-
1007	HW-03 Drywall Joint Compound Wall / Ceiling	No	-	-	-	-	-	-	-	-
1008	HW-03 Drywall Joint Compound Wall / Ceiling	No	-	-	-	-	-	-	-	-
1009	HW-03 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
1010	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
1011	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
1011	HC-04 Drywall Joint Compound Ceiling	No	-	-	-	-	-	-	-	-
1011	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
1012	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
1013	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
1013	HC-01 Ceiling Tile 2'X2' Strata	No	-	-	-	-	-	-	-	-
1013	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
1014	HW-02 Drywall Joint Compound Wall	Yes	chrysotile	300 ft2	Yes	Yes	Yes	paint	satisfactory	No
1014	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
1015	HW-02 Drywall Joint Compound Wall	Yes	chrysotile	1020 ft2	Yes	Yes	Yes	paint	satisfactory	No
1015	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
1016	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
1016	HW-02 Drywall Joint Compound Wall	Yes	chrysotile	492 ft2	Yes	Yes	Yes	paint	satisfactory	No
1016	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
1017	HW-02 Drywall Joint Compound Wall	Yes	chrysotile	488 ft2	Yes	Yes	Yes	paint	satisfactory	No
1018	HW-02 Drywall Joint Compound Wall	Yes	chrysotile	144 ft2	Yes	Yes	Yes	paint	satisfactory	No
1019	HW-02 Drywall Joint Compound Wall	Yes	chrysotile	384 ft2	Yes	Yes	Yes	paint	satisfactory	No
1019	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
1020	HW-02 Drywall Joint Compound Wall	Yes	chrysotile	368 ft2	Yes	Yes	Yes	paint	satisfactory	No
1020	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
1021	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
1021	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-



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Drawing Room		0.5% or > asbestos by	Mineral Type	Approximate Quantity	Friable Yes/No	Material Accessible	Material Visible	Covering Type or	Condition Satisfactory/	Maintenance Required
Location	Material Description	dry weight Yes/No	Type	Quantity		Yes/No	Yes/No	Finish	Unsatisfactory	Yes/No
1022	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
1022	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
1023	HW-01 Drywall Joint Compound Wall / Ceiling	No	-	-	-	-	-	-	-	-
1023	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
1024	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
1024	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
1024	HC-06 Ceiling Tile 2'X2' Stripe	No	-	-	-	-	-	-	-	-
1024	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
1025	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
1025	HW-01 Drywall Joint Compound Wall /Ceiling	No	-	-	-	-	-	-	-	-
1025	HC-06 Ceiling Tile 2'X2' Stripe	No	-	-	-	-	-	-	-	-
1025	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
1026	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
1026	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
1027	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
1027	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
1028	HW-01 Drywall Joint Compound Wall /Ceiling	No	-	-	-	-	-	-	_	-
1028	HM-02 White Caulking (at ceiling)	No	_	_		_	_	_	_	-
1029	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	_	-
1029	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
1030	HW-01 Drywall Joint Compound Wall /Ceiling	No	-	-	-	-	-	-	-	-
1030	HM-02 White Caulking (at ceiling)	No	_	-	_	-	_	-	_	_
1031	HW-02 Drywall Joint Compound Wall	Yes	chrysotile	470 ft2	Yes	Yes	Yes	paint	satisfactory	No
1031	HM-02 White Caulking (at ceiling)	No	-	470102	103	-	-	- punit	-	-
1032	HW-01 Drywall Joint Compound Wall	No	_	-	-	-	-	-	_	-
1032	HM-02 White Caulking (at ceiling)	No				_				
1033	HW-01 Drywall Joint Compound Wall	No	_			-	_	_		-
1033	HM-02 White Caulking (at ceiling)	No	-			-	-		-	-
2001	HF-01 Floor Tile 12"X12" grey with white fleck	No			<u> </u>	_	_			-
2001	HW-01 Drywall Joint Compound Wall	No		-		-				-
2001	HM-01 Sink Underlining/Glazing (Gold)	Yes	chrysotile	1 Unit	No	Yes	No	-	satisfactory	No
2001	HM-02 White Caulking (at ceiling)	No	-	- 101111	- INO	res	- NO	-	Satisfactory -	- NO
2001	HM-03 Brown Mastic (at baseboards)	No		-		-			-	
2001	HW-01 Drywall Joint Compound Wall	No		-	-	-	-	-	-	-
2002	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
2003	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-		-	-	-	-	-
2003	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
2003	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2003	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-



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Drawing Room Location	Material Description	0.5% or > asbestos by dry weight Yes/No	Mineral Type	Approximate Quantity	Friable Yes/No	Material Accessible Yes/No	Material Visible Yes/No	Covering Type or Finish	Condition Satisfactory/ Unsatisfactory	Maintenance Required Yes/No
2004	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
2004	HT-01 Loose Insulation	No	-	-	-	-	-	-	-	-
2004	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
2004	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2005	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
2005	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
2005	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
2005	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2006	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
2006	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
2006	HC-01 Ceiling Tile 2'X2' Strata	No	-	-	-	-	-	-	-	-
2006	HC-02 Ceiling Tile 2'X2' Fissure	No	-	-	-	-	-	-	-	-
2006	HC-03 Ceiling Tile 2'X2' Multi-dot	No	-	-	-	-	-	-	-	-
2006	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
2006	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2007	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
2007	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
2007	HC-01 Ceiling Tile 2'X2' Strata	No	-	-	-	-	-	-	-	-
2007	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
2007	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2008	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
2008	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
2008	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
2008	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2009	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
2009	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
2009	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
2009	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2010	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
2010	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
2010	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
2010	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-



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Drawing Room		0.5% or > asbestos by	Mineral Type	Approximate Quantity	Friable Yes/No	Material Accessible	Material Visible	Covering Type or	Condition Satisfactory/	Maintenance Required
Location	Material Description	dry weight Yes/No				Yes/No	Yes/No	Finish	Unsatisfactory	Yes/No
2011	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
2011	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
2011	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
2011	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2012	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
2012	HC-06 Ceiling Tile 2'X2' Stripe	No	-	-	-	-	-	-	-	-
2012	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
2012	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2013	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
2013	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
2013	HC-04 Drywall Joint Compound Ceiling	No	-	-	-	-	-	-	-	-
2013	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
2013	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2014	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
2014	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2015	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
2015	HW-02 Drywall Joint Compound Wall	Yes	chrysotile	960 ft2	Yes	Yes	Yes	paint	satisfactory	No
2015	HW-02 Drywall Joint Compound Ceiling	Yes	chrysotile	63 ft2	Yes	Yes	Yes	paint	satisfactory	No
2015	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2016	HF-01 Floor Tile 12"X12" grey with white fleck	No								
2016	HW-02 Drywall Joint Compound Wall	Yes	chrysotile	420 ft2	Yes	Yes	Yes	paint	satisfactory	No
2016	HW-02 Drywall Joint Compound Ceiling	Yes	chrysotile	168 ft2	Yes	Yes	Yes	paint	satisfactory	No
2016	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2017	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
2017	HW-02 Drywall Joint Compound Wall	Yes	chrysotile	420 ft2	Yes	Yes	Yes	paint	satisfactory	No
2017	HW-02 Drywall Joint Compound Ceiling	Yes	chrysotile	24 ft2	Yes	Yes	Yes	paint	satisfactory	No
2017	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2018	HF-01 Floor Tile 12"X12" grey with white fleck	No	-	-	-	-	-	-	-	-
2018	HW-02 Drywall Joint Compound Wall	Yes	chrysotile	420 ft2	Yes	Yes	Yes	paint	satisfactory	No
2018	HW-02 Drywall Joint Compound Ceiling	Yes	chrysotile	42 ft2	Yes	Yes	Yes	paint	satisfactory	No
2018	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2019	HF-02 Floor Tile 12"X12" Beige with grey	Yes	chrysotile	80 ft2	No	Yes	Yes	-	satisfactory	No



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Town of Pelham Municipal Office

Appendix A: Building Material Results Summary Table

Drawing Room Location	Material Description	0.5% or > asbestos by dry weight Yes/No	Mineral Type	Approximate Quantity	Friable Yes/No	Material Accessible Yes/No	Material Visible Yes/No	Covering Type or Finish	Condition Satisfactory/ Unsatisfactory	Maintenance Required Yes/No
2019	HW-02 Drywall Joint Compound Wall	Yes	chrysotile	612 ft2	Yes	Yes	Yes	paint	satisfactory	No
2019	HM-03 Brown Mastic (at baseboards)	No	-	-	-	-	-	-	-	-
2020	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
2020	HC-01 Ceiling Tile 2'X2' Strata	No	-	-	-	-	-	-	-	-
2021	HW-01 Drywall Joint Compound Wall	No	-	-	-	-	-	-	-	-
2021	HC-01 Ceiling Tile 2'X2' Strata	No	-	-	-	-	-	-	-	-
2021	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
2022	HW-02 Drywall Joint Compound Wall	Yes	chrysotile	600 ft2	Yes	Yes	Yes	paint	satisfactory	No
2022	HC-04 Drywall Joint Compound Ceiling	No	-	-	-	-	-	-	-	-
2022	HM-02 White Caulking (at ceiling)	No	-	-	-	-	-	-	-	-
Elevator	-	-	-	-	-	-	-	-	-	-
E001	HW-04 Texture Coat Wall	Yes	chrysotile	50 ft2	Yes	Yes	Yes	paint	satisfactory	No
E001	HM-05 Exterior Caulking	No	-	-	-	-	-	-	-	-
R001	HM-06 Roof Shingle on HVAC	No	-	-	-	-	-	-	-	-
R001	HM-07 Flashing on HVAC	No	-	-	-	-	-	-	-	-



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Contract #: 2014-PW-08 (FAC02-14)

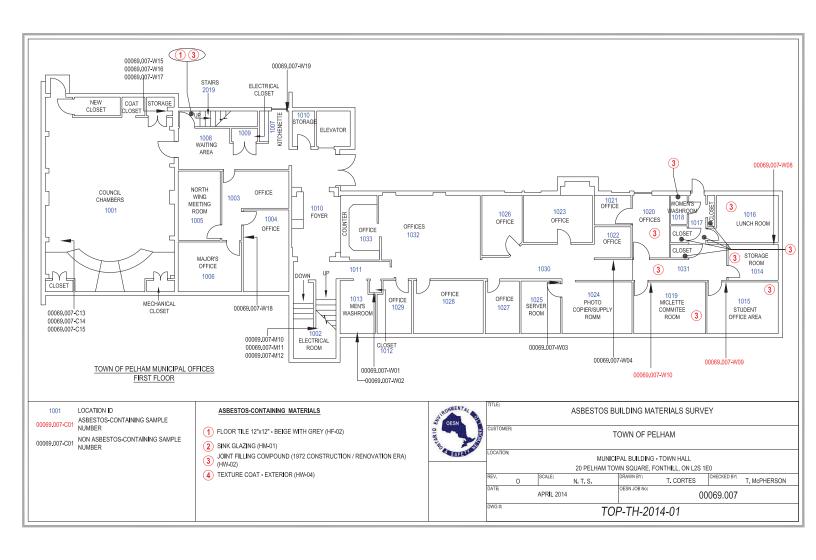
Appendix B: Asbestos-Containing Material Drawing Locations

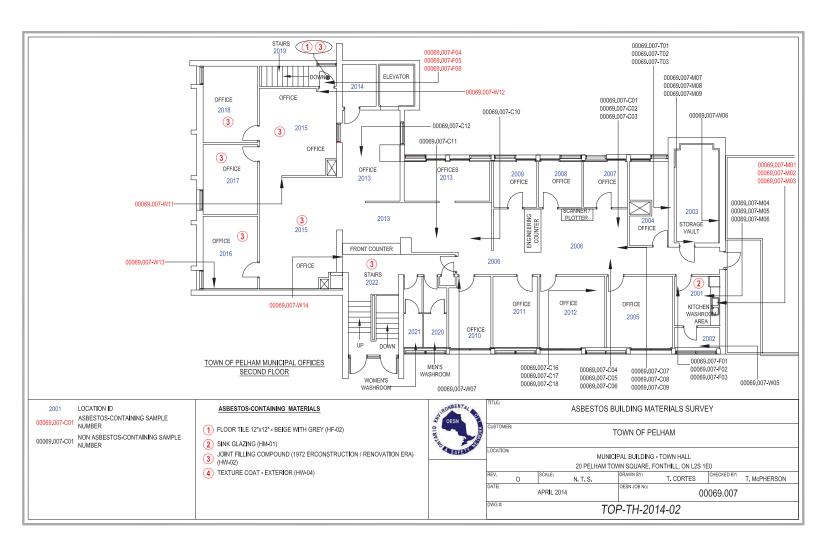
- Drawing / Figure Methodology
- Drawing Set: Asbestos Sample Locations TOP-TH-2014-01 to TOP-TH-2014-03

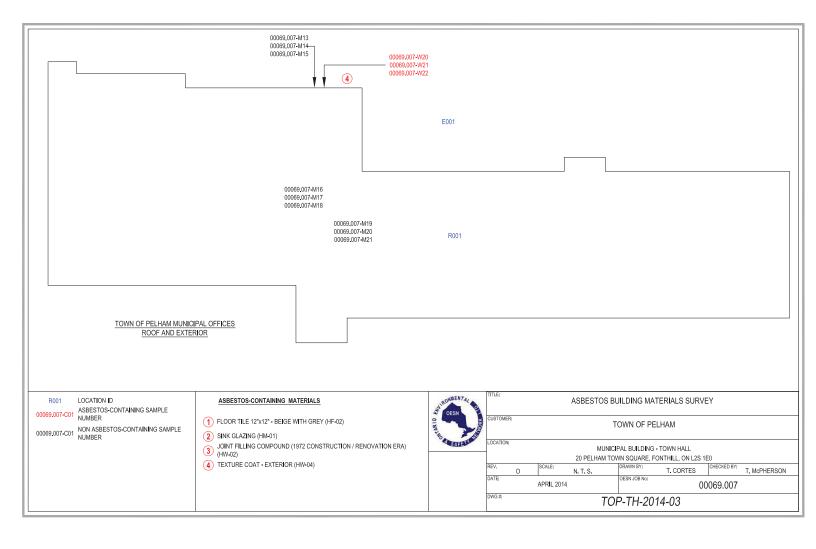
Drawing Methodology

Plan view drawings provided are brought to site and used as a reference and checklist during inspection. Each individual room is assigned an identification number and name. Every bulk sample identified (confirmed, inferred and assumed) as asbestos-containing is plotted in each room where that particular material was observed. The identification of the materials is represented by a code that is specific to that material (asbestos bulk samples). The code pertaining to the material is exclusive for that set of building's drawings and is transferable between level/floors of the subject building. The sample locations plotted on the drawings offer a link between the Chain of Custody produced on site for each material and allows for re-sampling from the same location origin if required.

Following on-site assessment completion, the field drawings are given to the AutoCAD department. The information, including field notes, sample codes, etc. is transferred from the field drawings on to electronic drawings. Once all information has been plotted by the CAD technician, the drawings are printed and reviewed by the field technician who was present during the on-site assessment. Corrections, if any, are made and the drawings are re-printed and reviewed by the project manager for approval before being converted into pdf format.

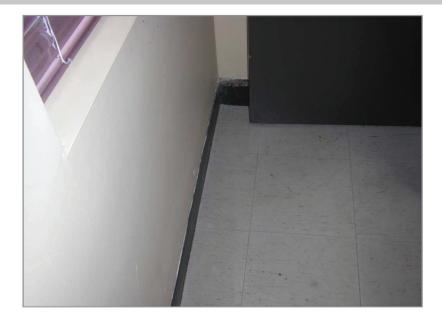






Appendix C: Photo Log for Asbestos-Containing Materials

Asbestos-Containing Materials Photo Log - Flooring Finishes



Floor Tile 12"x12" Beige with grey (HF-02)

Photo Location: 2019 - Stairs

end of section.



Asbestos-Containing Materials Photo Log - Wall Finishes



Drywall Joint Compound Wall (HW-02)

Photo Location: 2016 - Office



Texture Coat Wall (HW-04)

Photo Location: E001 - Exterior



Asbestos-Containing Materials Photo Log - Textiles and Compounds



Gold Sink Underlining (HM-01)

Photo Location: 2001- Kitchen

end of section



Appendix D: Analytical Results

- Site Inspection / Assessment Methodology
- Bulk Sample Methodology
- Analytical Methodology
- Analytical Results: Asbestos

Site Inspection/Assessment Methodology

Prior to inspection, plan view drawings are reviewed to determine a sampling strategy. The assessment is carried out in a methodical and systematic way to ensure that all visible and accessible areas are inspected. One floor at a time, typically beginning with the lowest level or basement and working towards the top floor, is assessed. At each floor level, a room-by-room examination of all accessible areas is conducted. Accessible is defined as all areas and surfaces - floors, walls, equipment and pipe coverings, ceilings (including areas above drop/false ceilings), crawlspaces, attics, hatches (which can be easily opened with hand tools) within a building.

Each room inspected is assigned a number and name (if provided). For each accessible room, observations in relation to building materials suspected of containing asbestos are recorded on a form designed specifically to meet the requirements and obligations of project. The identification of materials suspected of containing asbestos minerals is based on the field consultant's experience and knowledge regarding the historical use and applications of asbestos in building materials. Detailed information for each material sampled is documented within each room and includes the following:

- Material location
- Approximate quantity of material
- Condition (at the time of inspection) of material
- Accessibility of material
- Visibility of material
- Material covering or finish
- Friability of material (specific for materials suspected for containing asbestos minerals only).

Other items observed during the assessment and recorded on the site form include information regarding suspect asbestos-containing materials considered to be in unsatisfactory condition and requiring maintenance.

Asbestos Bulk Sampling Methodology

Samples of materials suspected for containing asbestos minerals are collected by a knowledgeable, competent worker who is trained and experienced in asbestos bulk sampling. Bulk material samples are randomly collected simultaneously during the assessment in strategic locations based on professional judgment. Samples collected are representative of each homogeneous material (uniform in colour and texture) and in accordance with the minimum number requirement as described in Table 1: Bulk Material Samples of O. Reg. 278/05.

The sampling approach accounts for a non intrusive sampling strategy and care is taken to minimize the amount of damage caused in the course of sampling. If damage occurs during sampling, OESN attempts to patch the area to match the previous finish as much as possible. An attempt to collect all samples from an inconspicuous location is made.

Prior to sample collection, the material substrate is misted down with amended water. Personal protective equipment (e.g. safety glasses, half face piece respirator, etc.) required for sampling is put on by the sampler and the sample is collected with care. Using a clean tool, a large enough sample is collected to ensure sufficient material for laboratory analysis, placed in an appropriate container then sealed. Each sample container is labelled with a sticker detailing the information (e.g. sample number, name, description, room location) specific for that sample. All samples are recorded on a Chain of Custody. Tools used for sample collection are rinsed with amended water prior to and following sample collection. Sample locations are depicted on the drawings that are used as reference and form a link between the Chain of Custody produced on site.

Vermiculite Bulk Sampling Methodology

Bulk samples are collected from the bottom layer of loose insulation and from the floor or base of the area. Samples are collected using a clean, metal scoop having a flat bottom. Loose insulation fines are submitted with the sample and collected using a piece of hard cardboard. A large enough sample is collected to allow additional analyses using several methods.



Analytical Methodology

Bulk samples collected from site are submitted to CEI Labs. for analysis. CEI Labs. quality management system has been modeled after and standardized through the adoption of ISO/IEC 17025:2005. CEI Labs. is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for Bulk Asbestos Fiber Analysis.

The method and procedures for establishing whether material is asbestos-containing and for establishing its asbestos content and the type of asbestos is in accordance with the following standard:

• U.S. Environmental Protection Agency. Test method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials. June 1993. O. Reg. 278/05.



ASBESTOS LABORATORY REPORT

Prepared for

Ontario Environmental & Safety Network, LTD.

PROJECT: 00069.007

CEI LAB CODE: A14-4549

DATE ANALYZED: 04/15/14

DATE REPORTED: 04/16/14

TOTAL SAMPLES ANALYZED: 6

SAMPLES >1% ASBESTOS: 1

TEL: 866-481-1412

www.ceilabs.com



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 00069.007 **CEI LAB CODE:** A14-4549

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
00069.007-F01		A1690991A	Gray	Floor Tile	None Detected
		A1690991B	Black	Mastic	None Detected
00069.007-F02		A1690992A	Gray	Floor Tile	None Detected
		A1690992B	Black	Mastic	None Detected
00069.007-F03		A1690993A	Gray	Floor Tile	None Detected
-		A1690993B	Black	Mastic	None Detected
00069.007-F04		A1690994A	Gray	Floor Tile	Chrysotile 3%
		A1690994B	Clear	Mastic	None Detected
00069.007-F05		A1690995A		Sample Not Analyzed per COC	
		A1690995B	Clear	Mastic	None Detected
00069.007-F06		A1690996A		Sample Not Analyzed per COC	
		A1690996B	Clear	Mastic	None Detected



By: POLARIZING LIGHT MICROSCOPY

CEI Lab Code: A14-4549

Client: Ontario Environmental & Safety Network, LTD.

RR #2 Date Received: 04-14-14 1783 Highway 20C Date Analyzed: 04-15-14 Allanburg, ON LOS 1A0 Date Reported: 04-16-14

Project: 00069.007

Client ID	Lab	Lab	NON-ASBES	TOS COMPO	NENTS	ASBESTOS
Lab ID	Description	Attributes	Fibrous	Non-F	ibrous	%
00069.007- F01 A1690991A	Floor Tile	Homogeneous Gray Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A1690991B	Mastic	Homogeneous Black Non-fibrous Tightly Bound		100%	Mastic	None Detected
00069.007- F02 A1690992A	Floor Tile	Homogeneous Gray Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A1690992B	Mastic	Homogeneous Black Non-fibrous Tightly Bound		100%	Mastic	None Detected
00069.007- F03 A1690993A	Floor Tile	Homogeneous Gray Non-fibrous Tightly Bound		100%	Vinyl	None Detected
A1690993B	Mastic	Homogeneous Black Non-fibrous Tightly Bound		100%	Mastic	None Detected
00069.007- F04 A1690994A	Floor Tile	Homogeneous Gray Non-fibrous Tightly Bound		97%	Vinyl	3% Chrysotile



By: POLARIZING LIGHT MICROSCOPY

CEI Lab Code: A14-4549

Date Received: 04-14-14

Date Analyzed: 04-15-14 **Date Reported:** 04-16-14

Client: Ontario Environmental & Safety Network, LTD.

RR #2 1783 Highway 20C Allanburg, ON L0S 1A0

Project: 00069.007

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS Fibrous	COMPONENTS Non-Fibrous	ASBESTOS %
A1690994B	Mastic	Homogeneous Clear Non-fibrous Tightly Bound		100% Mastic	None Detected
00069.007- F05 A1690995A	Sample Not Analyzed per COC				
A1690995B	Mastic	Homogeneous Clear Non-fibrous Tightly Bound		100% Mastic	None Detected
00069.007- F06 A1690996A	Sample Not Analyzed per COC				
A1690996B	Mastic	Homogeneous Clear Non-fibrous Tightly Bound		100% Mastic	None Detected



LEGEND: Non-Anth = Non-Asbestiform Anthophylite

Non-Trem = Non-Asbestiform Tremolite

Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

The detection limit for the method is <1% by visual estimation and 0.25% by 400 point counts or 0.1% by 1,000 point counts.

Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarizing light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation.

CEI Labs, Inc. can perform positive stop analysis if requested by customer. However, it is the responsibility of the customer to determine if the samples grouped together are in fact the same type of material and belong to the same homogeneous area.

This report may not be reproduced, except in full, without written approval by CEI LABS. CEI LABS makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U. S. Government.

ANALYST

Susannah Small

APPROVED BY: //www.sas /

Tianbao Bai, Ph.D. Laboratory Director



Y:\Templates\Asbestos\2013 Site Work Templates\001 Asbestos Bulk Sampling Chain of Custody

A 14- 4549 6

A 1690991. A 1690996

Laboratory:	CE			Chain of Custody Record						
Sample Date:	14001 8th 2014	Job Number: 00069.007			COC		of	/		
Quotation#:	11					Ana	lysis			
lob Reference:	Tain of Delha	m: Municipal Office - Ashistos	Surey		nr	ric				
Contact Name:	Lisa Tollay.		J.		Ö	imet				
Contact Email:	topay & resp.	net		Bulk	oin	Gravimetric	Bulk		Results By:	
HM #	Sample #	Sample ID	Location	PLM E	PLM Point Count	PLM (TEM E			
HFOI	00069.007.Fol	Flogrill- 12x12 Grey to Uht. Fl	ck 2001	1						
Hol	00069.007-702			X					4 hour	
HEO	00069.007-Fo3	4	7	+					24 hour	
1102	00069.007-F04	Moor Tile-12+12 Buge in Bray	2019	X					☑2 B Days	
HT02	00069.007-F05	1 0 1		+						
HF02	000 69. 007-Fole	Ь	.0	+	11				☐3 B Days	
									5 B Days	
1									Other:	
Comments:		Method of Delivery:								
	1/		Positive stop identified ab			S	Total # s	amples shipped:	6	
Relinquished By	Print & Sign):	Received by Driver/Depot:	Received at Lab:			Verifi	ed By:			
T. Mep	hisan IIII		VOOL	1						
Date/Time:	11 9th 7014	Date/Time:	Date/Time:	100	RA	Date/	Time:			



Ontario Environmental & Safety Network Ltd.

1783 Highway 20, RR#2, Allanburg, Ontario Canada LOS 1A0 Tel: 1-888-271-2111 Fax: 905-988-1910 www.oesn.net



ASBESTOS LABORATORY REPORT

Prepared for

Ontario Environmental & Safety Network, LTD.

PROJECT: 00069.007

CEI LAB CODE: A14-4562

DATE ANALYZED: 04/15/14

DATE REPORTED: 04/16/14

TOTAL SAMPLES ANALYZED: 20

SAMPLES > 1% ASBESTOS: 2

TEL: 866-481-1412

www.ceilabs.com



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 00069.007 **CEI LAB CODE:** A14-4562

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
00069.007 W01		A1691125	White	Joint Filling Compound	None Detected
00069.007 W02		A1691126	White	Joint Filling Compound	None Detected
00069.007 W03		A1691127	White	Joint Filling Compound	None Detected
00069.007 W04		A1691128	White	Joint Filling Compound	None Detected
00069.007 W05	Layer 1	A1691129	White	Joint Filling Compound	None Detected
	Layer 2	A1691129	White	Sheetrock	None Detected
00069.007 W06	Layer 1	A1691130	White	Joint Filling Compound	None Detected
	Layer 2	A1691130	White	Sheetrock	None Detected
00069.007 W07	Layer 1	A1691131	White	Joint Filling Compound	None Detected
	Layer 2	A1691131	White	Sheetrock	None Detected
00069.007 W08		A1691132	White	Joint Filling Compound	None Detected
00069.007 W09		A1691133	White	Joint Filling Compound	None Detected
00069.007 W10	Layer 1	A1691134	White	Joint Filling Compound	None Detected
	Layer 2	A1691134	White	Sheetrock	None Detected
00069.007 W11		A1691135	White	Joint Filling Compound	None Detected
00069.007 W12		A1691136	Cream	Joint Filling Compound	Chrysotile 2%
00069.007 W13		A1691137	White	Joint Filling Compound	None Detected
00069.007 W14		A1691138	White	Joint Filling Compound	None Detected
00069.007 W15		A1691139	White	Joint Filling Compound	None Detected
00069.007 W16		A1691140	White	Joint Filling Compound	None Detected
00069.007 W17		A1691141	White	Joint Filling Compound	None Detected
00069.007 W18	Layer 1	A1691142	White	Joint Filling Compound	None Detected
	Layer 2	A1691142	White	Sheetrock	None Detected
00069.007 W19		A1691143	White	Joint Filling Compound	None Detected
00069.007 W20		A1691144	Gray,Off-white	Exterior Texture Coat	Chrysotile 2%
00069.007 W21		A1691145		Sample Not Analyzed per COC	
00069.007 W22		A1691146		Sample Not Analyzed per COC	



By: POLARIZING LIGHT MICROSCOPY

CEI Lab Code: A14-4562

Client: Ontario Environmental & Safety Network, LTD.

RR #2 **Date Received:** 04-14-14 1783 Highway 20C **Date Analyzed:** 04-15-14

Allanburg, ON LOS 1A0 Date Reported: 04-16-14

Project: 00069.007

Client ID	Lab	Lab	NOI	N-ASBESTOS	СОМРО	NENTS	ASBESTOS
Lab ID	Description	Attributes	Fibr	ous	Non-F	ibrous	%
00069.007	Joint Filling Compound	Heterogeneous			75%	Calc Carb	None Detected
W01		White			25%	Binder	
A1691125		Non-fibrous			<1%	Paint	
		Bound					
00069.007	Joint Filling Compound	Heterogeneous			75%	Calc Carb	None Detected
W02		White			25%	Binder	
A1691126		Non-fibrous			<1%	Paint	
		Bound					
00069.007	Joint Filling Compound	Heterogeneous			70%	Calc Carb	None Detected
W03		White			25%	Binder	
A1691127		Non-fibrous			5%	Paint	
		Bound					
00069.007	Joint Filling Compound	Heterogeneous			70%	Calc Carb	None Detected
W04		White			25%	Binder	
A1691128		Non-fibrous			5%	Paint	
		Bound					
00069.007	Joint Filling Compound	Heterogeneous			70%	Calc Carb	None Detected
W05		White			25%	Binder	
Layer 1		Non-fibrous			5%	Paint	
A1691129		Bound					
Layer 2	Sheetrock	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
A1691129		White	<1%	Fiberglass			
		Fibrous					
		Bound					
00069.007	Joint Filling Compound	Heterogeneous			70%	Calc Carb	None Detected
W06		White			25%	Binder	
Layer 1		Non-fibrous			5%	Paint	
A1691130		Bound					



By: POLARIZING LIGHT MICROSCOPY

CEI Lab Code: A14-4562

Client: Ontario Environmental & Safety Network, LTD.

RR #2 Date Received: 04-14-14
1783 Highway 20C Date Analyzed: 04-15-14
Allanburg, ON LOS 1A0 Date Reported: 04-16-14

Project: 00069.007

Client ID	Lab	Lab	NO	N-ASBESTOS	NENTS	ASBESTOS		
Lab ID	Description	Attributes	Fibr	ous	Non-l	ibrous	%	
Layer 2 A1691130	Sheetrock	Heterogeneous White Fibrous Bound	15% <1%	Cellulose Fiberglass	85%	Gypsum	None Detected	
00069.007 W07 Layer 1 A1691131	Joint Filling Compound	Heterogeneous White Non-fibrous Bound			70% 25% 5%	Calc Carb Binder Paint	None Detected	
Layer 2 A1691131	Sheetrock	Heterogeneous White Fibrous Bound	15% <1%	Cellulose Fiberglass	85%	Gypsum	None Detected	
00069.007 W08 A1691132	Joint Filling Compound	Heterogeneous White Non-fibrous Bound			70% 25% 5%	Calc Carb Binder Paint	None Detected	
00069.007 W09 A1691133	Joint Filling Compound	Heterogeneous White Non-fibrous Bound			70% 25% 5%	Calc Carb Binder Paint	None Detected	
00069.007 W10 Layer 1 A1691134	Joint Filling Compound	Heterogeneous White Non-fibrous Bound			70% 25% 5%	Calc Carb Binder Paint	None Detected	
Layer 2 A1691134	Sheetrock	Heterogeneous White Fibrous Bound	15% <1%	Cellulose Fiberglass	85%	Gypsum	None Detected	



By: POLARIZING LIGHT MICROSCOPY

CEI Lab Code: A14-4562

Date Received: 04-14-14

Date Analyzed: 04-15-14 **Date Reported:** 04-16-14

Client: Ontario Environmental & Safety Network, LTD.

RR #2 1783 Highway 20C

Allanburg, ON LOS 1A0

Project: 00069.007

Client ID	Lab	Lab NON-ASBESTOS COMPONENTS					ASBESTOS
Lab ID	Description	Attributes	Fibro	ous	Non-l	Fibrous	%
00069.007	Joint Filling Compound	Heterogeneous			70%	Calc Carb	None Detected
W11		White			25%	Binder	
A1691135		Non-fibrous			5%	Paint	
		Bound					
00069.007	Joint Filling Compound	Heterogeneous			70%	Calc Carb	2% Chrysotile
W12		Cream			23%	Binder	
A1691136		Non-fibrous			5%	Paint	
		Bound					
00069.007	Joint Filling Compound	Heterogeneous			70%	Calc Carb	None Detected
W13		White			25%	Binder	
A1691137		Non-fibrous			5%	Paint	
		Bound					
00069.007	Joint Filling Compound	Heterogeneous			70%	Calc Carb	None Detected
W14		White			25%	Binder	
A1691138		Non-fibrous			5%	Paint	
		Bound					
00069.007	Joint Filling Compound	Heterogeneous	5%	Cellulose	65%	Calc Carb	None Detected
W15		White			25%	Binder	
A1691139		Fibrous			5%	Paint	
		Bound					
00069.007	Joint Filling Compound	Heterogeneous			70%	Calc Carb	None Detected
W16		White			25%	Binder	
A1691140		Non-fibrous			5%	Paint	
		Bound					
00069.007	Joint Filling Compound	Heterogeneous			70%	Calc Carb	None Detected
W17		White			25%	Binder	
A1691141		Non-fibrous			5%	Paint	
		Bound					
		Douriu					



By: POLARIZING LIGHT MICROSCOPY

CEI Lab Code: A14-4562

Client: Ontario Environmental & Safety Network, LTD.

RR #2 Date Received: 04-14-14
1783 Highway 20C Date Analyzed: 04-15-14
Allanburg, ON LOS 1A0 Date Reported: 04-16-14

Project: 00069.007

Client ID Lab ID	Lab Description	Lab Attributes		N-ASBESTOS ous		NENTS Fibrous	ASBESTOS %
00069.007 W18 Layer 1 A1691142	Joint Filling Compound	Heterogeneous White Non-fibrous Bound			70% 25% 5%	Calc Carb Binder Paint	None Detected
Layer 2 A1691142	Sheetrock	Heterogeneous White Fibrous Bound	15% <1%	Cellulose Fiberglass	85%	Gypsum	None Detected
00069.007 W19 A1691143	Joint Filling Compound	Heterogeneous White Non-fibrous Bound			70% 25% 5%	Calc Carb Binder Paint	None Detected
00069.007 W20 A1691144	Exterior Texture Coat	Heterogeneous Gray,Off-white Non-fibrous Bound			50% 38% 10%	Calc Carb Binder Paint	2% Chrysotile
00069.007 W21 A1691145	Sample Not Analyzed per COC						
00069.007 W22 A1691146	Sample Not Analyzed per COC						



LEGEND: Non-Anth = Non-Asbestiform Anthophylite

Non-Trem = Non-Asbestiform Tremolite

Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

The detection limit for the method is <1% by visual estimation and 0.25% by 400 point counts or 0.1% by 1,000 point counts.

Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarizing light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation.

CEI Labs, Inc. can perform positive stop analysis if requested by customer. However, it is the responsibility of the customer to determine if the samples grouped together are in fact the same type of material and belong to the same homogeneous area.

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ANALYST: Samantha Card APPROVED BY: // Man Sax / Tianbao Bai, Ph.D. Laboratory Director



Y:\Templates\Asbestos\2013 Site Work Templates\001 Asbestos Bulk Sampling Chain of Custody

A14-4562 (22) A1691125.A[691146

Laboratory: C	El							Chain of Custody Record					
Sample Date: P	APRIL4, 2014	Job Number: 00069, 007			COC	i	of '	2					
Quotation#:					Analysis								
Job Reference:	TOWN OF PELHA	AM - MUNICIPIAL OFFICE			unt	tric							
Contact Name:	LISA TAPPAY				t Co	Gravimetric							
Contact Email:	Itappay a desi	n.net		Bulk	Poin	Grav	Bulk		Results By:				
HM #	Sample #	Sample ID	Location	PLM	PLM Point Count	PLM	TEM						
10-WH	10W FOO. P2000	JOINT FILLING COMPOUND (1967)	1012	X									
HW-01	00069.007 W02	j i	1013	×					4 hour				
HM-01	EOM FOO. P0000		1025	×					24 hour				
HW-OI	00069,007 WO4		1030	X					2 B Days				
HW-01	00069,007 WOS		2002	X									
HW-01	00069,007 WOL		2003	×					☐3 B Days				
HW-01	00069.007 WO7	\checkmark	2010	×					5 B Days				
HW-02	00068.001 MOB	JOINT FILLING COMPOUND (1972)	1014	X					Other:				
HW-02	00066. 004 MOd		1015	X									
HW-02	00069, 007 WID		1019	X									
HW-05	00069.007 WII		2015	X									
HW-02	60069.007 WIZ	Ψ	2015	X									
Comments:		Method of Delivery:	Positive stop	on an	alyses		Total #	samples shipped:	12				
Relinquished By (Print & Sign):	Received by Driver/Depot:	Received at Lab:			Verifi	ed By:						
BETH TO!	DD Butiltoold		1 × 4	1/14,	1/4								
Date/Time [*]	8/2019	Date/Time:	Date/Time: 10:0	SA		Date/	Time:						



Ontario Environmental & Safety Network Ltd.

1783 Highway 20, RR#2, Allanburg, Ontario Canada LOS 1A0 Tel: 1-888-271-2111 Fax: 905-988-1910 www.oesn.net

Laboratory:	CEI						Chain of Custody Record				
Sample Date:	APRIL 4, 2014	Job Number: 0006	F00.P			COC	2	of (2		
Quotation#:							Ana	lysis	s		
Job Reference: ¬	TOWN OF PELHAM-	- MUNICIPAL OF	FICE.			rut	tric				
Contact Name:	LISA TAPPAY					S	ime				
Contact Email:	Happay & Desn	net.	24.			oin	Gravimetric	Bulk		Results By:	
HM #	Sample #		mple ID	Location	PLM Bulk	PLM Point Count	PLM (TEM 6			
H W02	00069,007 WB	JOINT FILL	NG COMPOUND (1972)	2016	X						
HWOZ	00069, 007 WH		¥	2022	×					4 hour	
HW-03	000 69.007 WIS	JOINT FILLING	COMPOUND (2009)	1001	X					24 hour	
HW-03	00069.007W16			1001	×					2 B Days	
HW-03	00069.007WIT			1001	X						
HW-03	81W F00.P000			1004	X					☐3 B Days	
HW-03	00069.007 W19	,	/	1007	X					5 B Days	
40-WHV	00069.007 W20	EXTERIOR TEXT	URE COAT	E001	X					Other:	
HW-0A	60069,007 WZI	1		EOOL	X					outer.	
HW-04	00069.007 W22	7		E001	X						
Comments:			Method of Delivery:	Positive stop	on an	alyses	5	Total #	samples shipped:	40	
Relinquished By	Print & Sign):	Received by Driver/Depo	ot:	Received at Lab:			Verifi	ed By:			
BETH TODD	Buttacel							v			
Date/Time:	181201A	Date/Time:		Date/Time:			Date/	Time:			



Ontario Environmental & Safety Network Ltd.

1783 Highway 20, RR#2, Allanburg, Ontario Canada LOS 1A0 Tel: 1-888-271-2111 Fax: 905-988-1910 www.oesn.net



ASBESTOS LABORATORY REPORT

Prepared for

Ontario Environmental & Safety Network, LTD.

PROJECT: 00069.007

CEI LAB CODE: A14-4561

DATE ANALYZED: 04/15/14

DATE REPORTED: 04/16/14

TOTAL SAMPLES ANALYZED: 18

SAMPLES > 1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 00069.007 **CEI LAB CODE:** A14-4561

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

					ASBESTOS
Client ID	Layer	Lab ID	Color	Sample Description	%
00069.007 C01		A1691107	White,Beige	Ceiling Tile	None Detected
00069.007 C02		A1691108	White,Beige	Ceiling Tile	None Detected
00069.007 C03		A1691109	White,Beige	Ceiling Tile	None Detected
00069.007 C04		A1691110	White,Beige	Ceiling Tile	None Detected
00069.007 C05		A1691111	White,Beige	Ceiling Tile	None Detected
00069.007 C06		A1691112	White,Beige	Ceiling Tile	None Detected
00069.007 C07		A1691113	White,Beige	Ceiling Tile	None Detected
00069.007 C08		A1691114	White,Beige	Ceiling Tile	None Detected
00069.007 C09		A1691115	White,Beige	Ceiling Tile	None Detected
00069.007 C10	Layer 1	A1691116	White	Joint Compound	None Detected
	Layer 2	A1691116	White	Drywall	None Detected
00069.007 C11	Layer 1	A1691117	White	Joint Compound	None Detected
	Layer 2	A1691117	White	Drywall	None Detected
00069.007 C12	Layer 1	A1691118	White	Joint Compound	None Detected
	Layer 2	A1691118	White	Drywall	None Detected
00069.007 C13		A1691119	White,Beige	Ceiling Tile	None Detected
00069.007 C14		A1691120	White,Beige	Ceiling Tile	None Detected
00069.007 C15		A1691121	White,Beige	Ceiling Tile	None Detected
00069.007 C16		A1691122	White,Beige	Ceiling Tile	None Detected
00069.007 C17		A1691123	White,Beige	Ceiling Tile	None Detected
00069.007 C18		A1691124	White,Beige	Ceiling Tile	None Detected



By: POLARIZING LIGHT MICROSCOPY

CEI Lab Code: A14-4561

Client: Ontario Environmental & Safety Network, LTD.

RR #2

Date Received: 04-14-14 1783 Highway 20C Date Analyzed: 04-15-14 Date Reported: 04-16-14 Allanburg, ON L0S 1A0

Project: 00069.007

Client ID	Lab	Lab	NO	N-ASBESTOS	COMPO	NENTS	ASBESTOS		
Lab ID	Description	Attributes	Fibrous		Non-l	Fibrous	%		
00069.007 C01 A1691107	Ceiling Tile	Heterogeneous White,Beige Fibrous Bound	55% 20%	Cellulose Fiberglass	5% 20%	Paint Perlite	None Detected		
00069.007 C02 A1691108	Ceiling Tile	Heterogeneous White,Beige Fibrous Bound	55% 20%	Cellulose Fiberglass	5% 20%	Paint Perlite	None Detected		
00069.007 C03 A1691109	Ceiling Tile	Heterogeneous White,Beige Fibrous Bound	55% 20%	Cellulose Fiberglass	5% 20%	Paint Perlite	None Detected		
00069.007 C04 A1691110	Ceiling Tile	Heterogeneous White,Beige Fibrous Bound	55% 25%	Cellulose Fiberglass	<1% 20%	Paint Perlite	None Detected		
00069.007 C05 A1691111	Ceiling Tile	Heterogeneous White,Beige Fibrous Bound	55% 25%	Cellulose Fiberglass	<1% 20%	Paint Perlite	None Detected		
00069.007 C06 A1691112	Ceiling Tile	Heterogeneous White,Beige Fibrous Bound	55% 25%	Cellulose Fiberglass	<1% 20%	Paint Perlite	None Detected		
00069.007 C07 A1691113	Ceiling Tile	Heterogeneous White,Beige Fibrous Bound	55% 20%	Cellulose Fiberglass	5% 20%	Paint Perlite	None Detected		



By: POLARIZING LIGHT MICROSCOPY

CEI Lab Code: A14-4561

Date Received: 04-14-14

Client: Ontario Environmental & Safety Network, LTD.

RR #2

1783 Highway 20C Date Analyzed: 04-15-14 Allanburg, ON LOS 1A0 Date Reported: 04-16-14

Project: 00069.007

Client ID	Lab	Lab	Lab NON-ASBESTOS COMPONENTS						
Lab ID	Description	Attributes	Fibrous		Non-l	Fibrous	ASBESTOS %		
00069.007 C08 A1691114	Ceiling Tile	Heterogeneous White,Beige Fibrous Bound	55% 20%	Cellulose Fiberglass	5% 20%	Paint Perlite	None Detected		
00069.007 C09 A1691115	Ceiling Tile	Heterogeneous White,Beige Fibrous Bound	55% 20%	Cellulose Fiberglass	5% 20%	Paint Perlite	None Detected		
00069.007 C10 Layer 1 A1691116	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 70% 25%	Paint Calc Carb Binder	None Detected		
Layer 2 A1691116	Drywall	Heterogeneous White Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected		
00069.007 C11 Layer 1 A1691117	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 70% 25%	Paint Calc Carb Binder	None Detected		
Layer 2 A1691117	Drywall	Heterogeneous White Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected		
00069.007 C12 Layer 1 A1691118	Joint Compound	Heterogeneous White Non-fibrous Bound			5% 70% 25%	Paint Calc Carb Binder	None Detected		



By: POLARIZING LIGHT MICROSCOPY

CEI Lab Code: A14-4561

Client: Ontario Environmental & Safety Network, LTD.

RR #2 Date Received: 04-14-14 1783 Highway 20C Date Analyzed: 04-15-14 Allanburg, ON LOS 1A0 Date Reported: 04-16-14

Project: 00069.007

Client ID	Lab	Lab	NO	N-ASBESTOS	ASBESTOS				
Lab ID	Description	Attributes	Fibrous		Non-F	ibrous	%		
Layer 2 A1691118	Drywall	Heterogeneous White Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected		
00069.007 C13 A1691119	Ceiling Tile	Heterogeneous White,Beige Fibrous Bound	30% 65%	Cellulose Fiberglass	5%	Paint	None Detected		
00069.007 C14 A1691120	Ceiling Tile	Heterogeneous White,Beige Fibrous Bound	30% 65%	Cellulose Fiberglass	5%	Paint	None Detected		
00069.007 C15 A1691121	Ceiling Tile	Heterogeneous White,Beige Fibrous Bound	30% 65%	Cellulose Fiberglass	5%	Paint	None Detected		
00069.007 C16 A1691122	Ceiling Tile	Heterogeneous White,Beige Fibrous Bound	55% 35%	Cellulose Fiberglass	<1% 10%	Paint Perlite	None Detected		
00069.007 C17 A1691123	Ceiling Tile	Heterogeneous White,Beige Fibrous Bound	55% 35%	Cellulose Fiberglass	<1% 10%	Paint Perlite	None Detected		
00069.007 C18 A1691124	Ceiling Tile	Heterogeneous White,Beige Fibrous Bound	55% 35%	Cellulose Fiberglass	<1% 10%	Paint Perlite	None Detected		



LEGEND: Non-Anth = Non-Asbestiform Anthophylite

Non-Trem = Non-Asbestiform Tremolite

Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

The detection limit for the method is <1% by visual estimation and 0.25% by 400 point counts or 0.1% by 1,000 point counts.

Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarizing light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation.

CEI Labs, Inc. can perform positive stop analysis if requested by customer. However, it is the responsibility of the customer to determine if the samples grouped together are in fact the same type of material and belong to the same homogeneous area.

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ANALYST: Samantha Card APPROVED BY: // Man Sax / Tianbao Bai, Ph.D. Laboratory Director



Y:\Templates\Asbestos\2013 Site Work Templates\001 Asbestos Bulk Sampling Chain of Custody

A 14-4561 (8)

A 1691124

Laboratory: CE						Chain of Custody Record						
Sample Date: APRIL 8, JOA Job Number: 000109.007							1	of	2			
Quotation#:						Analysis						
Job Reference: TOWN OF PECHAM - MUNICIPAL OFFICES.							tric					
Contact Name: LISA TAPPAY							Gravimetric	-		B 1: B		
Contact Email: Happaya) ors n. net.							Gra	Bulk		Results By:		
HM #	Sample #	Sampl	Location	PLM	PLM Point Count	PLM	TEM					
14C-01	10069.007001	CT 2X2 STRA	ITA	2006	X							
HC-01	00069.007002			2006	×					4 hour		
HC-01	00069.007003	4	2006	X					24 hour			
1HC-02	00069.00704	CT 2X2 FISSU	2006	X					2 B Days			
HC-02	00069,007 005		2006	X								
HC-02	00069.00706	↓	2006	X					□ 3 B Days			
/ HC-03	00069.007007	CT ZXZ MUL	2006	X					5 B Days			
HC-03	00069.007008			2006	X					Other:		
HC-03	00069,007 (09	4		2006	X							
/HC-04	00069.007010	DWLC CEILIN	G	2013	V							
HC-04	00069.007 041	1,		2013	X							
+ HC-04	00069.007012	V		2013	X							
Comments: Method of Delivery:				Positive stop on analyses identified above with '*'			(12)					
Relinquished By (Print & Sign): Received by Driver/Depot:			Received at Lab: Verified By:									
BETHTODA	Bettercolol	45			H 4/14/14							
Date/Time:	3/2014	Date/Time:	Date/Time: 10:05A		Date/Time:							



Ontario Environmental & Safety Network Ltd.

1783 Highway 20, RR#2, Allanburg, Ontario Canada LOS 1A0 Tel: 1-888-271-2111 Fax: 905-988-1910 www.oesn.net

Laboratory: CEI							Chain of Custody Record						
Sample Date:	coc 2 of Z												
Quotation#:	Analysis												
Job Reference:		tu	tric										
Contact Name:	:	Bulk	PLM Point Count	Gravimetric									
Contact Email:								Bulk		Results By:			
HM #	HM # Sample # Sample ID Location						PLM (TEM		_			
14C-05	00069.007 013	CT 2X2 DIMEN	USIONAL	1001	X								
HC-05	00069.007014			1001	X					4 hour			
HC-05	000109.007015	1		1001	X					24 hour			
14C-06	60069.007 C16	CT 2x2 STRIF	2012	X					2 B Days				
HC-06	00069.007617		2012	X									
1-4C-06	81240.9000	1	2012	X					☐3 B Days				
										5 B Days			
										Other:			
										ounci.			
Comments: Method of Delivery:					Positive stop on analyses Total # samples shipped:			6					
BETHTO	y (Print & Sign): BUTTOOO!	Received by Driver/Depot:		Received at Lab: Verified By:									
Date/Time:	4/8/204	Date/Time:	Date/Time: Date/Time:										



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ASBESTOS LABORATORY REPORT

Prepared for

Ontario Environmental & Safety Network, LTD.

PROJECT: 00069.007

CEI LAB CODE: A14-4542

DATE ANALYZED: 04/15/14

DATE REPORTED: 04/16/14

TOTAL SAMPLES ANALYZED: 3

SAMPLES > 1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 00069.007 **CEI LAB CODE:** A14-4542

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
00069.007-T01		A1690965	Bronze,Gray	Loose Insulation	None Detected
00069.007-T02		A1690966	Bronze,Gray	Loose Insulation	None Detected
00069.007-T03		A1690967	Bronze,Gray	Loose Insulation	None Detected



By: POLARIZING LIGHT MICROSCOPY

CEI Lab Code: A14-4542

Client: Ontario Environmental & Safety Network, LTD.

RR #2

Date Received: 04-14-14 1783 Highway 20C Date Analyzed: 04-15-14 Date Reported: 04-16-14 Allanburg, ON L0S 1A0

Project: 00069.007

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBEST Fibrous	ASBESTOS %		
00069.007-	Loose Insulation	Homogeneous		80%	Vermiculite	None Detected
T01		Bronze,Gray		10%	Silicates	
A1690965		Non-fibrous Loose		10%	Binder	
00069.007-	Loose Insulation	Homogeneous		80%	Vermiculite	None Detected
T02		Bronze, Gray		10%	Silicates	
A1690966		Non-fibrous		10%	Binder	
		Loose				
00069.007-	Loose Insulation	Homogeneous		80%	Vermiculite	None Detected
T03		Bronze, Gray		10%	Silicates	
A1690967		Non-fibrous		10%	Binder	
		Loose				



LEGEND: Non-Anth = Non-Asbestiform Anthophylite

Non-Trem = Non-Asbestiform Tremolite

Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

The detection limit for the method is <1% by visual estimation and 0.25% by 400 point counts or 0.1% by 1,000 point counts.

Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarizing light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation.

CEI Labs, Inc. can perform positive stop analysis if requested by customer. However, it is the responsibility of the customer to determine if the samples grouped together are in fact the same type of material and belong to the same homogeneous area.

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ANALYST

Susannah Small

APPROVED BY:

Tianbao Bai, Ph.D. Laboratory Director



	Y:\Te	mplates\Asbestos\2013 Site Work Templates\	001 Asbestos Bulk Sampling Ch	ain of C	Custoc		14-450		
Laboratomu				7 (°h a	A 16	90965	A 1690	967 Record
Laboratory: Sample Date:	CE) 1ADNI 8th 2014	Job Number: 00069. 007		┤ `	COC		of	ody r	Record
Quotation#:	MAN CONT	0000				Ana	lysis		
Job Reference:	Town of Relly	in: Municipal office lasheste	Server		ınt	_			
Contact Name:	Lisa Tappay				Con	met			
Contact Email:	1-toppay of resp.	net] ¥	oint	Gravimetric	alk M		Results By:
HM #	Sample #	Sample ID	Location	PLM Bulk	PLM Point Count	PLM (TEM Bulk		
1 450	09069-007-131	Loose Insulation	2004	L					
HTO	60069.007 TOZ			K					☐4 hour
HTO	00069 007-703	6	4	K		1			24 hour
									2 B Days
									☐3 B Days
									5 B Days
									Other:
Comments:		Mothed of Deli	von.v.						
comments.	11	Method of Deli	Positive stop	on ana ove wi	alyses th '*'	i	Total # sample	es shipped:	3
Relinquished By	(Print & Sign):	Received by Driver/Depot:	Received at Lab:	ula	1	Verifi	ed By:		
1 - loop h	usan ///								
Date/Time:	nil 8th 2014	Date/Time:	Date/Time: 10:0	54		Date/	Time:		



Ontario Environmental & Safety Network Ltd.

1783 Highway 20, RR#2, Allanburg, Ontario Canada LOS 1A0 Tel: 1-888-271-2111 Fax: 905-988-1910 www.oesn.net



ASBESTOS LABORATORY REPORT

Prepared for

Ontario Environmental & Safety Network, LTD.

PROJECT: 00069.007

CEI LAB CODE: A14-4558

DATE ANALYZED: 04/15/14

DATE REPORTED: 04/16/14

TOTAL SAMPLES ANALYZED: 19

SAMPLES >1% ASBESTOS: 1

TEL: 866-481-1412

www.ceilabs.com



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 00069.007 **CEI LAB CODE:** A14-4558

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
00069.007-M01		A1691064	Silver	Sink Glazing	Chrysotile 5%
00069.007-M02		A1691065		Sample Not Analyzed per COC	
00069.007-M03		A1691066		Sample Not Analyzed per COC	
00069.007-M04		A1691067	White	Caulking	None Detected
00069.007-M05		A1691068	White	Caulking	None Detected
00069.007-M06		A1691069	White	Caulking	None Detected
00069.007-M07		A1691070	Brown	Mastic	None Detected
00069.007-M08		A1691071	Brown	Mastic	None Detected
00069.007-M09		A1691072	Brown	Mastic	None Detected
00069.007-M10		A1691073	White,Gray	Joint Compound	None Detected
00069.007-M11		A1691074	White,Gray	Joint Compound	None Detected
00069.007-M12		A1691075	White,Gray	Joint Compound	None Detected
00069.007-M13		A1691076	Tan,Gray	Exterior Caulking	None Detected
00069.007-M14		A1691077	Tan,Gray	Exterior Caulking	None Detected
00069.007-M15		A1691078	Tan,Gray	Exterior Caulking	None Detected
00069.007-M16		A1691079	Black	Roof Shingle	None Detected
00069.007-M17		A1691080	Black	Roof Shingle	None Detected
00069.007-M18		A1691081	Black	Roof Shingle	None Detected
00069.007-M19		A1691082	Black	Flashing	None Detected
00069.007-M20		A1691083	Black	Flashing	None Detected
00069.007-M21		A1691084	Black	Flashing	None Detected



By: POLARIZING LIGHT MICROSCOPY

CEI Lab Code: A14-4558

Client: Ontario Environmental & Safety Network, LTD.

RR #2 Date Received: 04-14-14
1783 Highway 20C Date Analyzed: 04-15-14
Allanburg, ON LOS 1A0 Date Reported: 04-16-14

Project: 00069.007

Client ID	Lab	Lab		TOS COMPO	ASBESTOS	
Lab ID	Description	Attributes	Fibrous		ibrous	%
00069.007- M01 A1691064	Sink Glazing	Homogeneous Silver Fibrous Bound		70% 20% 5%	Tar Paint Silicates	5% Chrysotile
00069.007- M02 A1691065	Sample Not Analyzed per COC					
00069.007- M03 A1691066	Sample Not Analyzed per COC					
00069.007- M04 A1691067	Caulking	Homogeneous White Non-fibrous Bound		100% <1%	Caulk Paint	None Detected
00069.007- M05 A1691068	Caulking	Homogeneous White Non-fibrous Bound		100% <1%	Caulk Paint	None Detected
00069.007- M06 A1691069	Caulking	Homogeneous White Non-fibrous Bound		100% <1%	Caulk Paint	None Detected
00069.007- M07 A1691070	Mastic	Homogeneous Brown Non-fibrous Bound		100%	Mastic	None Detected
00069.007- M08 A1691071	Mastic	Homogeneous Brown Non-fibrous Bound		100%	Mastic	None Detected



By: POLARIZING LIGHT MICROSCOPY

CEI Lab Code: A14-4558

Date Received: 04-14-14

Client: Ontario Environmental & Safety Network, LTD.

> RR #2 1783 Highway 20C

Date Analyzed: 04-15-14 Date Reported: 04-16-14 Allanburg, ON L0S 1A0

Project: 00069.007

Client ID	Lab	Lab	NON-ASBEST	NENTS	ASBESTOS		
Lab ID	Description	Attributes Homogeneous Brown Non-fibrous Bound	Fibrous	Non-F	ibrous	%	
00069.007- M09 A1691072	Mastic			100%	Mastic	None Detected	
00069.007- M10 A1691073	Joint Compound	Homogeneous White,Gray Non-fibrous Bound		75% 20% 5%	Calc Carb Silicates Paint	None Detected	
00069.007- M11 A1691074	Joint Compound	Homogeneous White,Gray Non-fibrous Bound		75% 20% 5%	Calc Carb Silicates Paint	None Detected	
00069.007- M12 A1691075	Joint Compound	Homogeneous White,Gray Non-fibrous Bound		75% 20% 5%	Calc Carb Silicates Paint	None Detected	
00069.007- M13 A1691076	Exterior Caulking	Homogeneous Tan,Gray Non-fibrous Bound		100% <1%	Caulk Paint	None Detected	
00069.007- M14 A1691077	Exterior Caulking	Homogeneous Tan,Gray Non-fibrous Bound		100% <1%	Caulk Paint	None Detected	
00069.007- M15 A1691078	Exterior Caulking	Homogeneous Tan,Gray Non-fibrous Bound		100% <1%	Caulk Paint	None Detected	



By: POLARIZING LIGHT MICROSCOPY

CEI Lab Code: A14-4558

Client: Ontario Environmental & Safety Network, LTD.

RR #2 Date Received: 04-14-14 1783 Highway 20C Date Analyzed: 04-15-14 Allanburg, ON LOS 1A0 Date Reported: 04-16-14

Project: 00069.007

Client ID	Lab Lab			N-ASBESTOS C			ASBESTOS
Lab ID	Description	Attributes	Fibr	ous	Non-F	Fibrous	%
00069.007- M16 A1691079	Roof Shingle	Heterogeneous Black Fibrous Bound	15%	Synthetic Fiber	70% 15%	Tar Gravel	None Detected
00069.007- M17 A1691080	Roof Shingle	Heterogeneous Black Fibrous Bound	15%	Synthetic Fiber	70% 15%	Tar Gravel	None Detected
00069.007- M18 A1691081	Roof Shingle	Heterogeneous Black Fibrous Bound	15%	Synthetic Fiber	70% 15%	Tar Gravel	None Detected
00069.007- M19 A1691082	Flashing	Heterogeneous Black Fibrous Bound	15%	Cellulose	80% 5%	Tar Silicates	None Detected
00069.007- M20 A1691083	Flashing	Heterogeneous Black Fibrous Bound	15%	Cellulose	80% 5%	Tar Silicates	None Detected
00069.007- M21 A1691084	Flashing	Heterogeneous Black Fibrous Bound	15%	Cellulose	80% 5%	Tar Silicates	None Detected



LEGEND: Non-Anth = Non-Asbestiform Anthophylite

Non-Trem = Non-Asbestiform Tremolite

Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

The detection limit for the method is <1% by visual estimation and 0.25% by 400 point counts or 0.1% by 1,000 point counts.

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ANALYST:

Daniel Liguori

APPROVED BY:

Tianbao Bai, Ph.D. Laboratory Director



Y:\Templates\Asbestos\2013 Site Work Templates\001 Asbestos Bulk Sampling Chain of Custody

1691064. A 1691684

Laboratory:	eratory:				Chain of Custody Record								
Sample Date: Am 8th 2614 Job Number: 000 69.007					COC	12	of	2					
Quotation#:						Ana	lysis						
Job Reference:	Town of Pell	am-Mancipal office- 12	bestes Sing		tu	tric							
Contact Name:	Lisa Tapper		· ·		S	ime			NO. 10 (100)				
Contact Email:	Hepry a besn.	net		Bulk	Poin	Gravimetric	Bulk		Results By:				
HM #	Sample #	Sample ID	Location	PLM	PLM Point Count	PLM	TEM						
/HMO)	000/09.007-Mol	Sink Glazing	200	4									
HMOI	00069.007402			1					4 hour				
HMO	00869.007-Mo3	7	t	7					24 hour				
/HM02	00069.007 Med	Coulking - whit & Ceily	K 2001	K					2 B Days				
HM02	00069.007-Mos		0	×			1 1 1 1						
+HMOZ	00069. 007-Mole	в	b	X					3 B Days				
14M03	00069-007-M07	Brem Mastic - 2 base poso	1 2003	K					☑ 5 B Days				
HM03	00069.007 -Mis			L					94 ☐ Other:				
HM03	60069-007-Mog	7	7	1									
1 HMOA	00869. 007-MID	Conford a wall	1062	X									
HMOA	008 69-007 MH			X									
+ HMo4.	00069-007-MIZ	Ð	ħ	K									
Comments:		Method of Deliv	ery: Positive stop identified al	on an	alyses		Total # s	amples shipped:	12				
Relinquished By	hosan JML	Received by Driver/Depot:	Received at Lab:			Verifi	ed By:						
Date/Time:	1 8th 214	Date/Time:	Date/Time:	אלולו	n_	Date/	Time:						
ripi			19/1/19	101/	7								



Ontario Environmental & Safety Network Ltd.

1783 Highway 20, RR#2, Allanburg, Ontario Canada LOS 1A0 Tel: 1-888-271-2111 Fax: 905-988-1910 www.oesn.net

Y:\Templates\Asbestos\2013 Site Work Templates\001 Asbestos Bulk Sampling Chain of Custody

A 14-4556

Laboratory:	CE				Chain of Custody Record					
Sample Date:	le Date: An Eth 2014 Job Number: 600(AL. 007					coc 1 Z of				
Quotation#:						Analysis				
Job Reference:	Tam of pe	than - Marailel Office - Asha	stos Sarry.		unt	tric				
Contact Name:	Lisa Tappay		0		t Co	ime				
Contact Email:	tappay 6 oesh	ilet.		Bulk	Poin	Gravimetric	Bulk		Results By:	
HM #	Sample #	Sample ID	Location	PLM Bulk	PLM Point Count	PLM	TEM Bulk			
1 HMOS	000leg-007-M13	Extens Callang	E001	1						
J HMS	00869-007-M14			K					☐4 hour	
HM05	00069.007-MIS	b	0	+					24 hour	
/ Hmole	600 69-007-Mile	foof Shingle on HVAC	R-00	1					2 B Days	
/ HMole	00069.007-MIZ) 0	•	K					4	
HM66	00064-007-M18	t	4	1					☐3 B Days	
/ HMo7	000 69, 007-1419	Flashing on HUAC	2001	K					5 B Days	
FM07	000 leg. 007-M20	0		L					Other:	
1+M07	00069. 667-M21	T .	4	K						
		,								
Comments:	10	Method of Delivery:	Positive stop	p on an bove w	alyses ith '*'	5	Total # s	amples shipped:	9	
Relinquished By		Received by Driver/Depot:	Received at Lab:	ab: Verified By:						
Date/Time:	gnil 8th 2014	Date/Time:	Date/Time:			Date	Time:			



Ontario Environmental & Safety Network Ltd.

1783 Highway 20, RR#2, Allanburg, Ontario Canada LOS 1A0 Tel: 1-888-271-2111 Fax: 905-988-1910 www.oesn.net

END OF ADDENDUM NO. 1

Date Issued:

June 24, 2022

Signature:

Jason Marr, P.Eng

Director of Public Works

THE TENDERER SHALL ADJUST HIS BID PRICE ACCORDING TO THE CHANGES SPECIFIED IN THIS ADDENDUM.