

CITY OF SASKATOON

Asbestos-Containing Building Materials Assessment Report -Victoria Park Riversdale Badminton and Tennis Club



Submitted to:

The City of Saskatoon 1101 Avenue P North Saskatoon, SK S7L 7K6

Report Number: 1667963

Distribution:

One Copy: City of Saskatoon One Copy: Golder Associates Ltd.







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1.0 INTRODUCTION

Golder Associates Ltd. (Golder) was retained by the City of Saskatoon (the Client) to conduct an asbestos-containing building materials assessment of the Victoria Park Riversdale Badminton and Tennis Club (the Site) located at 810 Spadina Crescent West in Saskatoon, Saskatchewan. This assessment report details our findings, conclusions and recommendations for the Site. A walkthrough of the Site was conducted on June 8, 2017 and the assessment was conducted on June 13, 2017 by Kody Henderson, OHS Project Manager. Asbestos-containing building materials were identified within the Victoria Park Riversdale Badminton and Tennis Club during the assessment. Further information is provided in Section 3.0.

2.0 SCOPE OF WORK

In accordance with Tender 16-0844, Golder's scope of work included conducting an asbestos-containing building materials assessment of the Site to evaluate the quantities, locations, and conditions of asbestos-containing building materials.

Following the field work, Golder prepared this assessment report that includes laboratory analysis results, findings of the assessment, conclusions, and recommendations.

2.1 Asbestos-Containing Materials

The assessment involved a non-destructive inspection of the Site to assess the type and extent of suspect ACMs in the facility. The systems that were reviewed as part of the inspections included, but were not limited to:

- Structural systems including: insulation between solid webbed joists, fireproofing, building envelope, and interior/exterior caulking around windows and doors;
- Mechanical systems insulation including: hot water and steam system, condensate system, chilled water system, glycol system, domestic hot and cold water, emergency generator exhaust, boiler units, heat exchangers, and asbestos cement piping; and
- Architectural systems including: texture coats, sheet flooring, vinyl floor tile, acoustical spray-applied
 materials, condensation control applications, ceiling tile, wall board, drywall joint compound, and asbestos
 sheet products.

Systematic sampling of suspect ACMs was conducted as part of the assessment. Samples were submitted under chain of custody to International Asbestos Testing Laboratory Inc. (IATL) and analyzed for asbestos type and percentage content using Polarized Light Microscopy (PLM) in accordance with EPA methodologies (EPA 600/R-93/116).

Further information related to the assessment and sample collection methods can be found in the Golder document *Golder Asbestos Assessment General Survey Plan and Protocol* provided to the Client.





3.0 RESULTS AND DISCUSSION

The Victoria Park Riversdale Badminton and Tennis Club consists of numerous rooms, a bar, storage areas, mechanical rooms, and washrooms over three floors and was constructed in 1977. During the assessment, the entire building was treated as one functional space.

- The Laboratory Certificate of Analysis report for the bulk asbestos samples is included in Appendix A.
- Photographs collected during the assessment are provided in Appendix B.
- A room by room spreadsheet outlining the locations, quantities, friability, and condition of identified asbestos-containing materials as well as additional information is provided in Appendix C.
- Floor plans outlining the sample locations and locations of identified asbestos-containing materials is provided in Appendix D.
- Please refer to Sections 4.0 and 6.0 of this report for a summary of the limitations encountered.

3.1 Asbestos-Containing Materials

A total of twenty-nine (29) samples of building materials were collected and tested for asbestos content during the assessment of the Victoria Park Riversdale Badminton and Tennis Club. Four (4) of the samples were found to contain asbestos.

3.1.1 List of Identified Asbestos-Containing Materials

A list of the identified asbestos-containing materials is provided below.

- Drywall Joint Compound; and
- Black Window Caulking.

Further information on the identified asbestos-containing materials listed is provided below.

Drywall Joint Compound

Seven (7) samples of drywall joint compound were collected during the assessment. Three of the samples collected were found to contain 2.1% to 2.8% Chrysotile asbestos. Asbestos-containing drywall joint compound (see Photograph 1 in Appendix B) was observed in the following location:

- Room 102 (approximately 250 ft²);
- Room 103 (approximately 65 ft²);
- Room 104 (approximately 275 ft²);
- Room 105 (approximately 475 ft²);
- Room 106 (approximately 270 ft²);
- Room 107 (approximately 900 ft²);
- Room 108 (approximately 300 ft²);
- Room 110 (approximately 175 ft²);





- Room 111 (approximately 500 ft²);
- Room 112 (approximately 500 ft²);
- Room 201 (approximately 50 ft²);
- Room 202 (approximately 375 ft²);
- Room 203 (approximately 1,175 ft²);
- Room 204 (approximately 450 ft²);
- Room 205 (approximately 500 ft²);
- Room 206 (approximately 225 ft²);
- Room 206 Washroom (approximately 225 ft²);
- Room 207 (approximately 325 ft²);
- Room 208 (approximately 500 ft²);
- Room 209/210 (approximately 475 ft²); and
- Men's Lower Level Change Room (approximately 1,250 ft²).

Additional asbestos-containing drywall joint compound may be located behind ceramic tiles, lockers and texture coats and above dropped ceilings throughout the site.

Black Window Caulking

Two (2) samples of black window caulking were collected during the assessment. One of the samples collected was found to contain 1.6% Chrysotile asbestos. Asbestos-containing black window caulking (see Photograph 2 in Appendix B) was observed in the following location:

Room 101 (approximately 10 linear ft).

The remaining windows were observed to have black window caulking that was found to not contain asbestos.

3.1.2 Non Asbestos-Containing Materials

The following materials were sampled during this assessment and were found to not contain asbestos or were observed to be non-suspect materials:

- Ceiling texture coat;
- 1'x1' Ceiling tile with small pinholes;
- Grey duct mastic;
- Floor tile (pattern indistinguishable);
- 9"x9" Beige floor tile with brown streaks;
- Black floor tile mastic;
- Green vinyl sheet flooring;





- Black window caulking (excluding the caulking in the location listed above);
- Red firestop;
- Brick mortar;
- Grey building caulking;
- The 2'x4' ceiling tile with small pinholes and small divots were date coded to a time period in which asbestos use was not widespread; and
- The drain and mechanical lines were observed to be constructed of PVC or not insulated.

4.0 EXCLUDED AREAS AND MATERIALS

The following is a list of the areas and/or materials excluded during the assessment.

- Building materials accessible by a ten foot ladder were assessed by Golder during the assessment. Materials located at heights that were inaccessible from a ten foot ladder were not assessed. If materials at heights are to be removed or impacted by future renovation or demolition activities, additional investigation and sampling of suspect materials may be required.
- Golder was unable to access the Storage Room of the Men's Lower Level Change Room during the assessment due to locked doors. If work activities are scheduled within this area, further sampling may be required. If building materials within this area are to be removed or impacted by future renovation or demolition activities, additional investigation and sampling of suspect materials may be required.
- The roof and associated components were not assessed by Golder during the assessment as per Tender 16-0844. If the roof and associated components are to be removed or impacted by future renovation or demolition activities, additional investigation and sampling of suspect materials may be required.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the visual assessment and the laboratory analytical results, the following project specific conclusions and recommendations are provided.

5.1 Asbestos-Containing Materials

Asbestos was positively identified within the drywall joint compound and black window caulking on Site. Asbestos was not identified in the remaining samples collected and analyzed.

If the building is scheduled for renovations that will impact the identified asbestos-containing materials, it must be removed. If additional suspect asbestos-containing building materials are encountered during renovation activities, additional sampling should be undertaken to evaluate asbestos content.

Removal work should be completed by workers that are adequately trained in the hazards and proper methods of working with asbestos. Throughout the abatement activities, appropriate air monitoring and inspections should be conducted by a competent person to document that contamination is contained and that ACM are disposed of appropriately. Ensure asbestos waste is disposed of in accordance with the requirements of the Government of Saskatchewan.





All quantities listed in the report are approximate and are based on the conditions at the time of the assessment. Prior to abatement work it is recommended that a competent person conduct a review of the site to quantify and obtain all measurements of all building materials detailed in this report for cost estimating purposes.

In anticipation of potential abatement, Golder's recommendations for the asbestos-containing materials identified during the assessment are outlined below.

Drywall Joint Compound

If scheduled for impact, asbestos-containing drywall joint compound should be abated following low-risk abatement work procedures as outlined in the *Saskatchewan Asbestos Abatement Manual* (2017). Alternatively, as the drywall joint compound was observed in good condition, and with a priority rating of 5 (please see the room by room spreadsheet provided in Appendix C for a description of the priority ratings), it can be managed in place if not scheduled for impact.

Black Window Caulking

If scheduled for impact, asbestos-containing black window caulking should be abated following low-risk abatement work procedures as outlined in the *Saskatchewan Asbestos Abatement Manual* (2017). Alternatively, as the black window caulking was observed in good condition, and with a priority rating of 5 (please see the room by room spreadsheet provided in Appendix C for a description of the priority ratings), it can be managed in place if not scheduled for impact.

6.0 SURVEY LIMITATIONS

This report is based on data and information collected by Golder during the assessment conducted on June 13, 2017 and is based solely on site conditions encountered at the time of the assessment. Any use of this document or the findings, conclusions or recommendations provided in this report by any person other than the City of Saskatoon is at the sole risk of such user.

The conclusions and recommendations contained in this survey report are based upon professional opinions with regard to the subject matter. These opinions are in accordance with currently accepted environmental assessment standards and practices applicable to these locations and are subject to the following inherent limitations:

The data and findings presented in this report are valid as of the dates of the investigations. The passage of time, manifestation of latent conditions or occurrence of future events may warrant further exploration at the properties, analysis of the data, and re-evaluation of the findings, observations, and conclusions expressed in this report. No assurance is made regarding changes in conditions or practices subsequent to the time of the investigation. It was beyond the scope of this assessment to conduct a risk assessment and the potential health risks that may be associated with asbestos exposure for building occupants.

The data reported and the findings, observations and conclusions expressed in this report are limited by the Scope of Work. The Scope of Work was defined by Tender 16-0844 and the initial site walkthrough with the Client, the time and budgetary constraints imposed by the Client, and availability of access to the property.

Because of the limitations stated above, the findings, observations and conclusions expressed by Golder in this report are not, and must not be, considered an opinion concerning compliance of any past or present owner or operator of the site with any federal, provincial or local laws or regulations.





No warranty or guarantee, whether expressed or implied, is made with respect to the data or the reported findings, observations, and conclusions, which are based solely upon site conditions in existence at the time of investigation.

Golder's assessment reports present professional opinions and findings of a scientific and technical nature. While attempts were made to relate the data and findings to applicable environmental laws and regulations, the report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations or policies of federal, provincial, or local governmental agencies. Any use of the survey report constitutes acceptance of the limits of Golder's liability.

Golder's liability extends only to its client and not to other parties who may obtain this survey report. Issues raised by the report must be reviewed by appropriate legal counsel.

7.0 CLOSURE

We trust the information presented in this report meets your requirements. If you have any questions please contact Kody Henderson at (780) 483-3499 or email at kody_henderson@golder.com. Thank you for the opportunity to be of service. We look forward to working with you again in the future.



Report Signature Page

GOLDER ASSOCIATES LTD.

Prepared by:

Reviewed by:

Kody Henderson, Dipl. Env. Sci., CRSP OHS Project Manager

Andrew Grant, B.Sc., P.Eng., EP, CRSP Associate, OHS Project Director

KH/AG/ba

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APPENDIX A

Laboratory Certificate of Analysis Report





9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449 Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd

16820 107 Ave

Edmonton AB T5P 4C3

Client: GOL572

Report Date: 6/29/2017

Report No.: 539484 - PLM

Project: City of Saskatoon - Lawn Bowling Clubhouse

Project No.: 1667963

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6271468 **Description:** White Joint Compound Location: Room 101

Client No.: A-001 **Facility:**

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6271469 **Description:** White Joint Compound **Location:** Room 101

Client No.: A-002 **Facility:**

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6271470 **Description:** White Ceiling Texture **Location:** Room 101

Client No.: A-003 **Facility:**

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6271471 **Description:** White Joint Compound **Location:** Room 102

Client No.: A-004 **Facility:**

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected

None Detected

Lab No.: 6271472 **Description:** Off-White Vinyl Sheet Flooring **Location:** Room 102

Client No.: A-005 **Facility:**

Percent Non-Fibrous Material: Percent Asbestos: Percent Non-Asbestos Fibrous Material:

12 Cellulose None Detected

3 Fibrous Glass

Lab No.: 6271472(L2) **Description:** Tan Mastic Location: Room 102

Client No.: A-005 **Facility:**

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6271473 **Description:** White Ceiling Texture **Location:** Room 102

Client No.: A-006 **Facility:**

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

Page 1 of 4

None Detected None Detected 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/21/2017

06/29/2017 **Date Analyzed:**

Dated: 6/29/2017 5:47:40 PM

Signature:

Ellen Smith **Analyst:**

Laboratory Director

Frank E. Ehrenfeld, III

Approved By:



9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449 Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd Report Date: 6/29/2017

16820 107 Ave Report No.: 539484 - PLM

Edmonton AB T5P 4C3 **Project:** City of Saskatoon - Lawn Bowling Clubhouse

Project No.: 1667963 Client: GOL572

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6271474 **Description:** Gold Fibrous **Location:** Room 102

Client No.: A-007 **Facility:**

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected PC 2.3 Chrysotile

Lab No.: 6271475 **Description:** White Joint Compound **Location:** Room 104

Client No.: A-008 **Facility:**

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Description: Lt Grey Vinyl Sheet Flooring **Lab No.:** 6271476 **Location:** Room 104

Client No.: A-009 **Facility:**

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

20 Cellulose None Detected

2 Fibrous Glass

Lab No.: 6271476(L2) **Description:** Tan Mastic Location: Room 104

Client No.: A-009 **Facility:**

Percent Non-Asbestos Fibrous Material: Percent Asbestos: Percent Non-Fibrous Material:

1 Cellulose None Detected

Lab No.: 6271477 **Description:** White Ceiling Texture **Location:** Room 104

Client No.: A-010 **Facility:**

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6271478 **Location:** Room 103

Description: White Joint Compound

Client No.: A-011 **Facility:**

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Lab No.: 6271479 **Description:** Brown Caulk **Location:** Exterior

Client No.: A-012 **Facility:**

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Percent Non-Fibrous Material:

None Detected None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/21/2017

06/29/2017 **Date Analyzed:**

Signature: Ellen Smith **Analyst:**

Frank E. Ehrenfeld, III Laboratory Director

Approved By:

Dated: 6/29/2017 5:47:40 PM Page 2 of 4



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CERTIFICATE OF ANALYSIS

Client: Golder Associates Ltd Report Date: 6/29/2017

16820 107 Ave Report No.: 539484 - PLM

Project: Edmonton AB T5P 4C3 City of Saskatoon - Lawn Bowling Clubhouse

Project No.: 1667963 Client: GOL572

Appendix to Analytical Report

Customer Contact:

Analysis: US EPA 600, R93-116

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com

iATL Office Manager: cdavis@iatl.com iATL Account Representative: Pete Lesniak Sample Login Notes: See Batch Sheet Attached Sample Matrix: Bulk Building Materials **Exceptions Noted:** See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

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This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

Certifications:

- NIST-NVLAP No. 101165-0
- NY-DOH No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB)

Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600 R-4/004 (multi-tiered analytical process) Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): ELAP 198.8 (PLM-SOF-V)>

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

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Client: Golder Associates Ltd Report Date: 6/29/2017

16820 107 Ave Report No.: 539484 - PLM

Edmonton AB T5P 4C3 Project: City of Saskatoon - Lawn Bowling Clubhouse

Project No.: 1667963 Client: GOL572

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at customerservice@iatl.com.

- 1) Note: No mastic provided for analysis.
- 2) Note: Insufficient mastic provided for analysis.
- 3) Note: Insufficient material provided for analysis.
- 4) Note: Insufficient sample provided for QC reanalysis.
- 5) Note: Different material than indicated on Sample Log / Description.
- 6) Note: Sample not submitted.
- 7) Note: Attached to asbestos containing material.
- 8) Note: Received wet.
- 9) Note: Possible surface contamination.
- 10) Note: Not building material. 1% threshold may not apply.
- 11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
- 12) Note: Asbestos detected but not quantifiable.
- 13) Note: Multiple identical samples submitted, only one analyzed.
- 14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%.
- 15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%.

Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gange, homogeneous exfoliated books of mica, or mixed mineral composites). Please contact your client representative for pricing and turnaround time options available.

iATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004).

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) www.atsdr.cdc.gov, United States Geological Survey (USGS) www.minerals.usgs.gov/minerals/, US EPA www.epa.gov/asbestos. The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional.

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

1) Analytical Step/Method: Initial Screening by PLM, EPA 600R-93/116

Requirements/Comments: Minimum of 0.1 g of sample. ~0.25% LOQ for most samples.

2) Analytical Step/Method: Wet Separation by PLM Gravimetric Technique, EPA R-04/004 **Requirements/Comments:** Minimum 50g** of dry sample. Analysis of "Sinks" only.

3) Analytical Step/Method: Wet Separation by PLM Gravimetric Technique, EPA R-04/004 Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Floats" only.

4) Analytical Step/Method: Wet Separation by TEM Gravimetric Technique, EPA R-04/004 Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.

5) Analytical Step/Method: Wet Separation by TEM Gravimetric Technique, EPA R-04/004 Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Suspension" only.

LOQ, Limit of Quantitation estimates for mass and volume analyses.

*With advance notice and confirmation by the laboratory.

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^{**}Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).



APPENDIX B

Site Photographs





Photograph 1: Asbestos-Containing Drywall Joint Compound.



Photograph 2: Asbestos-Containing Black Window Caulking.





APPENDIX C

Room by Room Spreadsheet



Victoria Park Riversdale Badminton and Tennis Club ACM Inventory

Included/	Floor	Room #	Area Description	Elements	Subelements	Material Description	Accessibility	Suspect?	Sampled?	Asbestos Containing	Condition	Field Notes	Sample Type	Sample ID	Sample Date	Asbestos Type	ACM Product	% of asbestos	Friable	Sprayed-on	Maintenance	Inspection	Priority	Potential for Disturbance	Recommended Action	Quantity	Photograph ID	Labelling Type
	-									Material?		Non-suspect doors were	.,,,,		24.0	.,,,,								Diotal Balloo	7,0,10,1			
Included Included	All B	Throughou G-1	Men's Lower Change Room	Doors Walls		Non Suspect Door Drywall Joint Compound	High High	No Yes	No Yes	No Yes	Good Good	observed throughout the Site.	Bulk	A-013	13-Jun-17	Chrysotile	Joint Compound	2.4%	Yes	No	N/A	Annually	5	High	Manage in Place	1,250 ft ²	Photograph 1	Door Jamb
			Men's Lower Change Room		Floor	New Non-Suspect Floor	High	No	No	No	Good	New flooring.												_				
Included	В	G-1	Men's Lower Change Room	Ceiling	Ceiling	2'x4' Ceiling Tile with Small Pinholes and Divots.	High	No	No	No	Good	Date coded to a time period in which asbestos use was not widespread.																
														VS A-002, A-												Quantity		
														012, A-013, A												included		
Included Included		G-1 101	Men's Lower Change Room Courts	Ceiling Walls		Drywall Joint Compound Wood	High High	Yes No	Yes No	Yes No	Good Good			017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	above.	Photograph 1	Door Jamb
Included	M	101	Courts	Floor	Floor	Wood	High	No	No No	No No	Good Good																	
Included Included	M	101	Courts Courts	Ceiling Windows	Ceiling Caulking	Fibreglass Insulation Black Window Caulking	High High		Yes	Yes	Good		Bulk	A-010		Chrysotile	Window Caulking	1.6%	No	No	N/A	Annually	5	High	Manage in Place	10 Linear ft	Photograph 2	Door Jamb
Included	M	101	Courts	Mechanical	Duct Work	Grey Duct Mastic	High	No	Yes	No	Good			VS A-004														
					Electrical Panels and	Electrical Panels and						Not sampled due to safety													Inspect and sample if scheduled for			
Included Included	M	101 102	Courts Mechanical Room	Electrical Walls	Components Walls	Components Block Wall	High High	Yes No	No No	Potential No	Good Good	concerns.													removal.			
			Mechanical Room	Floor	Floor	Concrete	High	No	No	No	Good					A1							_			4.2		
Included	M M		Mechanical Room Mechanical Room	Ceiling Mechanical	Ceiling Piping	Drywall Joint Compound Uninsulated Lines	High High	Yes No	Yes No	Yes No	Good Good		Bulk	A-012	13-Jun-17	Chrysotile	Joint Compound	2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	250 II	Photograph 1	Door Jamb
Included Included		102 102	Mechanical Room Mechanical Room	Mechanical Mechanical		PVC Drain Lines Red Firestop	High High	No No	No Yes	No No	Good Good		Bulk	A-011	13- lun-17													
Included	М	103	Men's Showers	Walls	Walls	Ceramic Tile	High	No	No	No	Good		Buik	A-011	13-3011-17													
Included	М	103	Men's Showers	Floor	Floor	New Non-Suspect Floor	High	No	No	No	Good	New flooring.																
														VS A-002, A-														
														005, A-007, A- 012, A-013, A-														
			Men's Showers			Drywall Joint Compound	High	Yes	Yes	Yes	Good			017, A-022	10.		Joint Compound		Yes	No	N/A	Annually	5	High	Manage in Place		Photograph 1	Door Jamb
			Men's Locker Room Men's Locker Room	Walls Floor	Walls Floor	Drywall Joint Compound New Non-Suspect Floor	High High		Yes No		Good Good	New flooring.	Bulk	A-005	13-Jun-17	Cnrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	2/5 ft ⁴	Pnotograph 1	Door Jamb
						2'x4' Ceiling Tile with Small						Date coded to a time period in																
Included	М	104	Men's Locker Room	Ceiling	Ceiling	Pinholes and Divots.	High	No	No	No	Good	which asbestos use was not widespread.																
														VS A-002, A-														
														005, A-007, A												Quantity		
Included	м	104	Men's Locker Room	Ceilina	Ceiling	Drywall Joint Compound	High	Yes	Yes	Yes	Good			012, A-013, A- 017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	included above.	Photograph 1	Door Jamb
						,	Ĭ							VO 4 000 A		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , , , , , , , , , , , , , , , , ,							Ĭ				
														VS A-002, A- 005, A-007, A-														
In about	.,	105	Men's Washroom	M/ol!=	Walle	Drywall Joint Compound	LUSA	V	V	V	Const			012, A-013, A- 017, A-022		Chrysotile	Joint Compound	2 10/ +0 2 00/	Yes	No	N/A	Annually	5	High	Manage in Place	A75 42	Photograph 4	Door Jamb
Included	M		Men's Washroom Men's Washroom	Walls Floor	Floor	New Non-Suspect Floor	High High	Yes No	Yes No	Yes No	Good Good	New flooring.		017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	res	INO	N/A	Annually	Э	High	wanage in Place	4/5 IC	Friolograph 1	Door Jamb
						2'x4' Ceiling Tile with Small						Date coded to a time period in which asbestos use was not																
Included	М	105	Men's Washroom	Ceiling	Ceiling	Pinholes and Divots.	High	No	No	No	Good	widespread.																
														VS A-002, A-														
														005, A-007, A												Quantity		
Included	м	105	Men's Washroom	Ceiling	Ceiling	Drywall Joint Compound	High	Yes	Yes	Yes	Good			012, A-013, A- 017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	included above.	Photograph 1	Door Jamb
						,										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		77.12.2.070							92 1 1000		- gp.i i	
														VS A-002, A- 005, A-007, A-														
In object and	м	106	Vestibule	Walle	Walls	Drywall Joint Compound	High	Yes	Yes	Yes	Good			012, A-013, A- 017, A-022		Chrysotile	Joint Company	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	270 tr ²	Photograph 1	Door Jamb
Included	M	106	Vestibule	Floor	Floor	Wood	High	No	No	No	Good					Chrysotile	Joint Compound	2.1% to 2.8%	Tes	TNU	IN/A	Annually	3	nigii	манаде III РІАСЕ	270 IL	r notograph i	Door Jamb
		106 107	Vestibule	Ceiling Walls		Ceiling Texture Coat Drywall Joint Compound		No	Yes	No Yes	Good		Bulk Bulk		13-Jun-17	Chrysotile	Joint Compound	2 1% to 2 8%	Voc	No	N/A	Annually	5	High	Manage in Place	ann fi²	Photograph 1	Door Jamb
Included	M	107	Seating	Walls	Walls	Block Wall	High	No	No	No	Good		Duik	N-022	13-3411-17	Chrysotile	Joint Compound	2.1/8 t0 2.0/8	163	INO	IN/A	Allitually	J	riigii	Manage III Flace	900 IL	Filotograpii i	DOOI Jamb
Included	М	107	Seating	Floor	Floor	New Non-Suspect Floor	High	No	No	No	Good	New flooring. Date coded to a time period in																
			0		0 ""	2'x4' Ceiling Tile with Small	l l					which asbestos use was not																
Included	M	107	Seating	Ceiling	Ceiling	Pinholes and Divots.	High	No	No	No	Good	widespread.		A-018, A-020,														
Included	M	107	Seating Seating	Ceiling Windows	Ceiling Caulking	Ceiling Texture Coat Black Window Caulking	High High	No No	Yes Yes	No No	Good Good		Bulk Bulk	A-021	13-Jun-17													
Included	M	108	Rec Room	Walls	Walls	Drywall Joint Compound	High	Yes	Yes	Yes	Good		Bulk				Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	300 ft ²	Photograph 1	Door Jamb
Included	М	108	Rec Room	Floor	Floor	New Non-Suspect Floor 1'x1' Ceiling Tile with Small	High	No	No	No	Good	New flooring.																
Included	М	108	Rec Room	Ceiling	Ceiling	Pinholes	High	No	Yes	No	Good	Data and data and a	Bulk	A-003	13-Jun-17													
						2'x4' Ceiling Tile with Small						Date coded to a time period in which asbestos use was not																
Included	М	108	Rec Room	Ceiling	Ceiling	Pinholes and Divots.	High	No	No	No	Good	widespread.																
														VS A-002, A-														
														005, A-007, A- 012, A-013, A-												Quantity included		
Included		108	Rec Room	Ceiling	Ceiling	Drywall Joint Compound	High	Yes	Yes	Yes	Good			012, A-013, A- 017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	above.	Photograph 1	Door Jamb
Included Included	M	109	Storage Room Storage Room	Walls Walls	Walls Walls	Block Wall Wood Panels	High High		No No		Good Good																	
						9"x9" Beige Floor Tile with Brown	1						Bulk	4.044	40 1=													
Included Included	M M	109 109	Storage Room Storage Room	Floor Floor	Floor Floor	Streaks Black Floor Mastic	High High	No No	Yes Yes	No No	Good Good		Bulk Bulk	A-014 A-029	13-Jun-17 10-Jul-17													
						2'x4' Ceiling Tile with Small					-	Date coded to a time period in which asbestos use was not																
Included	М	109	Storage Room	Ceiling	Ceiling	Pinholes and Divots.	High	No	No	No	Good	which aspestos use was not widespread.																
Included	м	109	Storage Room	Ceiling	Ceiling	1'x1' Ceiling Tile with Small Pinholes	High	No	Yes	No	Good		Bulk	A-015	13-Jun-17													
Included	M		Storage Room	Mechanical	Piping	Uninsulated Lines	High		No	No	Good		Dain	7,010	50.1 17													
														VS A-002, A-														
														005, A-007, A														
Included	М	110	Storage Room	Walls	Walls	Drywall Joint Compound	High	Yes	Yes	Yes	Good			012, A-013, A- 017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	175 ft ²	Photograph 1	Door Jamb
		110 110	Storage Room Storage Room	Walls Walls	Walls Walls	Block Wall Wood Panels	High High	No	No No	No No	Good Good																	
						9"x9" Beige Floor Tile with Brown	1																					
Included	M	110	Storage Room	Floor	Floor	Streaks	High	No	Yes	No	Good																	

Golder Associates Ltd. Project No. 1667963

Victoria Park Riversdale Badminton and Tennis Club ACM Inventory

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State Stat															012, A-013, A	A- A-											Quantity included		
					Ceiling									Dulle	017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	above.	Photograph 1	Door Jamb
State Stat	includ	ea IV	110	U Storage Room	Mechanicai	Duct work	Grey Duct Mastic	High	No	Yes	No	G000		Bulk		13-Jun-17													
Marchan Marc																ι- Δ-													
State Stat															012, A-013, A	À-											2		
			111	1 Office			Block Wall	High	No	No	No				017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	500 ft*	Photograph 1	Door Jamb
	Includ	ed M	111	1 Office	Floor	Floor	New Non-Suspect Floor	High	No	No	No	Good																	
													which asbestos use was not																
1	Includ	ed M	111	1 Office	Ceiling	Ceiling	Pinholes and Divots.	High	No	No	No	Good	widespread.																
1																ι- Δ-											Quantity		
															012, A-013, A	À-											included		
1	Includ	ed M	111	1 Office	Ceiling	Ceiling	Drywall Joint Compound	High	Yes	Yes	Yes	Good			017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	above.	Photograph 1	Door Jamb
Maria Mari																													
State Stat															012, A-013, A														
March Marc	Includ Includ	ed M		2 Onop	Walls Walls	Walls Walls				Yes No	Yes No	Good Good			017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	500 ft ²	Photograph 1	Door Jamb
Marchane													Data and add to a time a coind in	Bulk	A-016	13-Jun-17													
													which asbestos use was not																
March Marc	Includ	ed M	113	2 Shop	Ceiling	Ceiling	Pinholes and Divots.	High	No	No	No	Good	widespread.														Quantity		
1				0	o	Callia	Decumell Indian Co.		V	V		0		Б. 11	A 047	40 h 47	Ohmun tit	Inited Co.	0.40/ + 0.00/	V	N		۸- "		10.4	Manager 5	included	Dhata	David I
1	Includ	ed S	20	1 Women's Showers	Walls	Walls	Ceramic Tile	High High	Yes No	Yes No	Yes No	Good		Bulk	A-017	13-Jun-17	Chrysotile	Joint Compound	2.1% to 2.8%	Yes	NÖ	N/A	Annually	5	High	ivianage in Place	above.	Photograph 1	Door Jamb
Part	Includ	ed S	20	1 Women's Showers	Floor	Floor	Ceramic Tile	High	No	Yes	No	Good																	
1																-													
															012, A-013, A	4-													
1	Includ	ed S	20	1 Women's Showers	Ceiling	Ceiling	Drywall Joint Compound	High	Yes	Yes	Yes	Good			017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	50 ft ²	Photograph 1	Door Jamb
1 10 10 10 10 10 10 10																-													
1 1 1 1 1 1 1 1 1 1																4- 4-													
March Marc	Includ Includ	ed S			Walls Walls							Good			017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	375 ft ²	Photograph 1	Door Jamb
Part													New flooring.																
1															VS A-002, A	ı-													
																A- Δ-													
Part	Includ	ed S	202	2 Women's Washroom	Ceiling	Ceiling	Drywall Joint Compound	High	Yes	Yes	Yes	Good			017, A-022	`	Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place		Photograph 1	Door Jamb
1															VS A-002, A														
Marie Mari															005, A-007, A	Α-													
Part	Includ	ed S	200			Walls						0000			017, A-022	`	Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	1,175 ft ²	Photograph 1	Door Jamb
State Stat	Includ	ed S	200	3 Women's Locker Room	n Floor	Floor	New Non-Suspect Floor	High	No	No	No	Good	New flooring.																
State Stat																ι-											Quantity		
Processes Street															012, A-013, A	À-											included		
Control Cont	Includ	ed S	200	Women's Locker Room	Ceiling	Ceiling	Drywall Joint Compound	High	Yes	Yes	Yes	Good	Date coded to a time period in		017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	above.	Photograph 1	Door Jamb
Part	Includ	od S	201	Woman's Lacker Poor	Coiling	Coiling		High	No	No	No	Good	which asbestos use was not																
No.							1'x1' Ceiling Tile with Small						widespread.																
No.	Includ	ed S	200	3 Women's Locker Room	n Ceiling	Ceiling	Pinholes	High	No	Yes	No	Good		Bulk	A-006	13-Jun-17													
State Stat															VO /1 002, /1	 A-													
Control Cont															012, A-013, A	4-													
Control Cont													New flooring.		017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	450 ft ²	Photograph 1	Door Jamb
Same													Date coded to a time period in																
Color Colo	Includ	ed S	204	4 Coat Room	Ceiling	Ceiling	Pinholes and Divots.	High	No	No	No	Good																	
Color Colo															VS A-002, A														
Formulated S 204 Coar Room Celling															005, A-007, A	A- A-													
Floor Floo		-													017, A-022												above.		
VS A-002 A- Observation Celling Celling Drywall Joint Compound High Yes Yes Good Control Contr														Bulk	A-007	13-Jun-17	Chrysotile	Joint Compound	2.1%	Yes	No	N/A	Annually	5	High	Manage in Place	500 ft ²	Photograph 1	Door Jamb
Celling Cell										1.15					V6 A 000 A														
Included S 205 Storage Room Celling Celling Celling Dywall Joint Compound High Yes Yes Yes Good Off. A-022 Chrysotile Joint Compound 2.1% to 2.8% Yes No N/A Annually 5 High Manage in Place above. Photograph 1 Door Jamb N/A Annually 5 High Manage in Place above. Photograph 1 Door Jamb N/A Annually 5 High Manage in Place above. Photograph 1 Door Jamb N/A Annually 5 High Manage in Place above. Photograph 1 Door Jamb N/A N															005, A-007, A	A-													
VS A-002 A- No N/A No	Includ	ed s	201	5 Storage Room	Ceiling	Ceiling	Drywall Joint Compound	High	Yes	Yes	Yes	Good			012, A-013, A	4-	Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place		Photograph 1	Door Jamb
Included S 206 Coat Room Walls Walls Drywall Joint Compound High Yes Yes Good 107, A-022 Chrysotile Joint Compound 2.1% to 2.8% Yes No N/A Annually 5 High Manage in Place 225 ft ² Photograph 1 Door Jamb Included S 206 Coat Room Floor Floor New Non-Suspect Floor High No No Rood New flooring. Included S 206 Coat Room Good New flooring Ceiling Cei	moluu		20.	E.E. ago (Com	Coming		-y	riigii	103	103	100	5000					, oodio	Joinpound	2.1.70 to 2.070	100	1,0		· ·····daily		1 ng.1	go idou		sograph i	220100110
Included S 206 Coat Room Walls Walls Drywall Joint Compound High Yes Yes Good O17, A-022 Chrysotile Joint Compound 2,1% to 2,8% Yes No N/A Annually 5 High Manage in Place 225 ft² Photograph 1 Door Jamb Door															005, A-007, A	A-													
Included S 206 Coat Room Floor Floor Floor Floor Floor High No No No Good New flooring. Included S 206 Coat Room Floor	Includ	ed c	201	6 Coat Room	Walls	Walle	Drywall Joint Compound	High	Ves	Vas	Vas	Good				4-	Chrysotile	Joint Compound	2 1% to 2 8%	Ves	No	N/A	Annually	5	High	Manage in Place	225 ft ²	Photograph 1	Door Jamb
Included S 206 Coat Room Ceiling C	Includ	ed S	200	6 Coat Room	Walls	Walls	Block Wall	High	No	No	No	Good	N 6 :		017, A-022		Jinyaudie	come compound	2.170 tO 2.070	163	TNU	INA	Aimidally	3	Tilgit	manage in Flace	ZZJ II	т поводгартт т	Door Janib
NS A-002, A-005, A-007, A-005, A-007, A-005, A-007, A-007, A-007, A-012, A-013, A-014, A-015, A-01													New flooring.	Bulk	A-008	13-Jun-17													
Included S 206 WR Washroom Walls Walls Drywall Joint Compound High Yes Yes Good New Hooring. Included S 206 WR Washroom Floor Floor New Non-Suspect Floor High No No No No Good New Hooring. Date of the compound of the com															VS A-002 A	_													
Included S 206 WR Washroom Walls Walls Drywall Joint Compound High Yes Yes Good 017, A-022 Chrysotile Joint Compound 2.1% to 2.8% Yes No N/A Annually 5 High Manage in Place 225 ft ² Photograph 1 Door Jamb Included S 206 WR Washroom Floor Floor New Non-Suspect Floor High No No No Good New flooring. Date coded to a time period in which asbestos use was not Suspect Floor Place Code of the period in which asbestos use was not Suspect Floor Revenue Floor Floor New Non-Suspect Floor New Non-Suspect Floor High No No No No Good New flooring. Suspect Floor Floor Floor New Non-Suspect Floor High No No No No Good New flooring. Suspect Floor Floor New Non-Suspect Floor High No No No No Good New flooring. Suspect Floor Floor Floor New Non-Suspect Floor High No No No No Good New flooring. Suspect Floor Floor Floor New Non-Suspect Floor High No No No No Good New flooring. Suspect Floor Floor Floor Floor New Non-Suspect Floor High No No No No Good New flooring. Suspect Floor Floor Floor Floor New Non-Suspect Floor High No No No No Good New flooring. Suspect Floor Floor Floor Floor Floor Floor New Non-Suspect Floor High No No No No Good New flooring. Suspect Floor															005, A-007, A	4-													
Included S 206 WR Washroom Floor Floor New Non-Suspect Floor High No No No Good New flooring. Date coded to a time period in which assessor suse was not	Includ	ed S			Walls	Walls		High	Yes		Yes	Good				4-	Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	225 ft ²	Photograph 1	Door Jamb
2'x4' Ceiling Tile with Small which asbestos use was not which asbestos use was not	Includ	ed S			Floor	Floor		High																					
Included S 206 WR Washroom Ceiling Ceiling Pinholes and Divots. High No No Good widespread.													which asbestos use was not																
		- A I C	1 206 V	WR Washroom	Ceiling	Ceiling	Pinholes and Divots.	High	No	No	No	Good	widespread.																

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Victoria Park Riversdale Badminton and Tennis Club ACM Inventory

														VS A-002, A-												Overstitus		
														012, A-013, A-												Quantity		
Include	d S	206 WR	Washroom	Ceiling	Ceiling	Drywall Joint Compound	High	Yes	Yes	Yes	Good			017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	above.	Photograph 1	Door Jamb
														VS A-002, A-														
														012, A-013, A-														
			Storage Room	Walls	Walls	Drywall Joint Compound		Yes		Yes	Good			017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	325 ft ²	Photograph 1	Door Jamb
			Storage Room Storage Room	Floor	Floor Floor	Carpet Floor Tile	High High	No No		No No	Good Good		Dulk	A-009	12 lun 17													
include	u s	207	Storage Room	FIOOF	FIOOI	Floor Tile	High	INO	res	INO	G000		DUIK	A-009	13-Juli-17													
														VS A-002, A-														
														005, A-007, A-												Quantity		
Include	ء د	207	Storage Room	Coiling	Ceiling	Drywall Joint Compound	High	Yes	Yes	Yes	Good			012, A-013, A- 017, A-022		Chrysotile	Joint Compound	2 1% to 2 8%	Yes	No	N/A	Annually	5	High	Manage in Place	included above.	Photograph 1	Door Jamb
		208		Ceiling Walls	Walls	Block Wall	High		No		Good			017, A-022		Ciliysotile	Joint Compound	2.1 /6 to 2.0 /6	163	INO	IN/A	Aillidally	J	riigii	Manage III Flace	above.	Filologiapii i	Door Jamb
		208		Floor	Floor	New Non-Suspect Floor	High	No	No	No	Good	New flooring.																
						2'x4' Ceiling Tile with Small						Date coded to a time period in																
Include	d S	208	Lounge	Ceilina	Ceilina	Pinholes and Divots.	High	No	No	No	Good	which asbestos use was not widespread.																
morad		200	Loungo	Coming	Coming	i milotoc and Bivoto.	1g.1	110	110	110	0000	widooprodd.																
														VS A-002, A-														
														005, A-007, A- 012, A-013, A-														
Include	d S	208	Lounge	Ceiling	Ceiling	Drywall Joint Compound	High	Yes	Yes	Yes	Good			012, A-013, A-		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	500 ft ²	Photograph 1	Door Jamb
	_		g-				1g.:									<u> </u>					1,011					00011	- managraphi	
														VS A-002, A-														
														005, A-007, A- 012, A-013, A-														
Include	d S	209/210	Kitchen/Servery	Walls	Walls	Drywall Joint Compound	High	Yes	Yes	Yes	Good			017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	475 ft ²	Photograph 1	Door Jamb
			Kitchen/Servery	Floor	Floor	Carpet	High			No	Good					ĺ								, in the second	Ĭ		Ž ,	
Include	d S	209/210	Kitchen/Servery	Floor	Floor	Floor Tile	High	No	Yes	No	Good											_						
														VS A-002, A-														
														005, A-007, A-												Quantity		
														012, A-013, A-												included		
			Kitchen/Servery Crawlspace	Ceiling Mechanical	Ceiling Drain Lines	Drywall Joint Compound PVC Drain Lines	High High	Yes No	Yes No	Yes No	Good Good			017, A-022		Chrysotile	Joint Compound	2.1% to 2.8%	Yes	No	N/A	Annually	5	High	Manage in Place	above.	Photograph 1	Door Jamb
		Exterior		Walls	Walls	Metal Siding	High	No		No	Good																	
						, and a second s	Ĭ							A-023, A-024,														
									.,					A-025, A-026,														
Include		Exterior Exterior		Walls Walls	Walls Caulking	Brick Mortar Grey Building Caulking	High High	No No	Yes Yes	No No	Good Good		Bulk Bulk	A-027 A-028	13-Jun-17 13-Jun-17													
include	u E	LAIGHUI	Men's Lower Change Room	vvalis	Caulkilly	Grey Building Calliking	riigri	INO	168	140	Good	Not assessed due to locked	DUIK	A-020	13-3dH-17													
Exclud	ed B	G-2	Storage Room	Entire Room	Entire Room							door.																
_ ,		F 4 4	D (F	5 B							Not assessed due to scope of																
Exclud	ed E	Exterior	Root	Exterior Roof	Exterior Roof							work.																

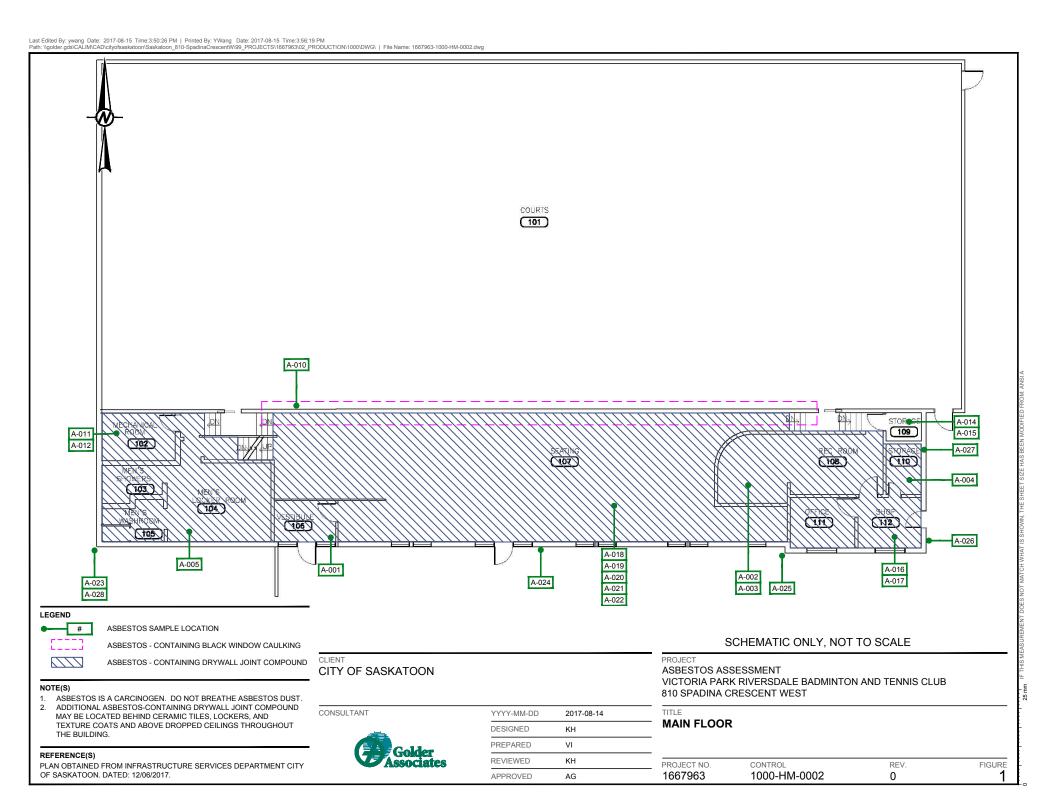
Project No. 1667963 Golder Associates Ltd.



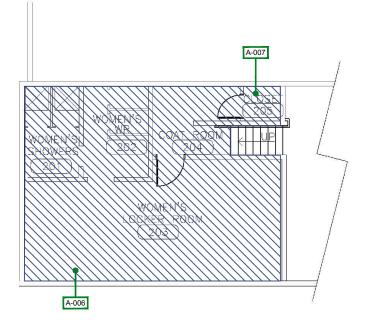
APPENDIX D

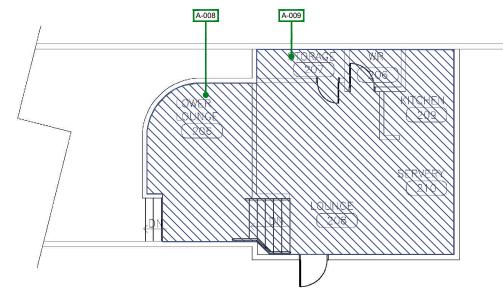
Floor Plans











LEGEND



ASBESTOS SAMPLE LOCATION

ASBESTOS - CONTAINING DRYWALL JOINT COMPOUND

NOTE(S)

- 1. ASBESTOS IS A CARCINOGEN. DO NOT BREATHE ASBESTOS DUST.
- 2. ADDITIONAL ASBESTOS-CONTAINING DRYWALL JOINT COMPOUND MAY BE LOCATED BEHIND CERAMIC TILES, LOCKERS, AND TEXTURE COATS AND ABOVE DROPPED CEILINGS THROUGHOUT THE BUILDING.

REFERENCE(S)

PLAN OBTAINED FROM INFRASTRUCTURE SERVICES DEPARTMENT CITY OF SASKATOON. DATED: 12/06/2017.

CLIENT

CITY OF SASKATOON

CONSULTANT



Υ	YYY-MM-DD	2017-058-14
D	ESIGNED	KH
P	REPARED	VI
R	EVIEWED	KH
A	PPROVED	AG

SCHEMATIC ONLY, NOT TO SCALE

PROJECT
ASBESTOS ASSESSMENT
VICTORIA PARK RIVERSDALE BADMINTON AND TENNIS CLUB
810 SPADINA CRESCENT WEST

TITLE

SECOND FLOOR

	1667963	1000-HM-0003	0	2
-			0	7
	PROJECT NO.	CONTROL	REV.	FIGURE

25 mm IF THIS MEASUREMENT DOES NO

As a global, employee-owned organisation with over 50 years of experience, Golder Associates is driven by our purpose to engineer earth's development while preserving earth's integrity. We deliver solutions that help our clients achieve their sustainable development goals by providing a wide range of independent consulting, design and construction services in our specialist areas of earth, environment and energy.

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