

City Hall North Asbestos Survey Report



January 2015

Prepared For: City of Saskatoon Infrastructure Services - Facilities Branch 3130 Laurier Drive, Saskatoon, SK. Attn: Brent Anderson

Prepared By: Bersch & Associates Ltd. Project No. : B67SRA16

1.0 EXECUTIVE SUMMARY

The survey of the City Hall North building located at 222 3rd Avenue North in Saskatoon, Saskatchewan entailed the inspection of all accessible suspect asbestos containing material (ACM) located throughout the facility. Materials inspected included mechanical insulating material and vinyl floor covering.

Bulk sample analysis results indicate the presence of "Chrysotile" asbestos within the City Hall North located in Saskatoon, SK. Please refer to *Appendix I* for Bulk Sample Analysis results. The recommended actions to be implemented in reference to the ACM identified are Management. Please refer to section 5 Asbestos Abatement Discussion for definitions. It should be noted that the recommendation of "Management" as part of the asbestos action plan is based upon the premise that renovations are not scheduled throughout the area that would impact the asbestos containing material present. *Prior to any major renovation/demolition activity, a destructive investigation is recommended to identify any inaccessible ACM that is physically concealed or isolated in areas such as enclosed wall/ceiling/floor cavities and pipe chases*. *Further testing of drywall mud compound may also be required prior to renovation*. Asbestos was detected in the following forms throughout the facility:

- Vinyl Asbestos Floor Tile is located in various rooms throughout the City Hall North Building. The Asbestos Floor Tile is identified on the Floor Plans in *Appendix III* of this report.
- **The Block Walls** throughout the facility were inspected for Vermiculite content as some forms of Vermiculite do contain asbestos. No Vermiculite was observed during the asbestos inspection activity. However, a thorough destructive investigation is recommended prior to building demolition to ensure the absence of vermiculite asbestos material.

Throughout the survey of the City Hall North the Asbestos Containing Materials were assessed and given a Priority Rating of One, Two or Three, with Priority One being the items requiring the most immediate attention. See the **Survey Spreadsheet Database** in *Appendix II* for a roomby-room account.

Bersch & Associates Ltd. implemented the use of doorjamb labels that are applied to all the doorjambs of the rooms containing asbestos within the facility. This permits anyone accessing the room to easily identify the ACM present without having to reference the written report. Legends providing explanation of the abbreviations used on doorjambs were placed on the backside of all maintenance/custodial doors within the facility. Employees and contractors will use the legend as a reference to identify ACM within the areas they are working.

2.0 INTRODUCTION

Bersch & Associates Ltd. was retained by the City of Saskatoon to conduct an Asbestos Survey and Hazard Assessment of the City Hall North located in Saskatoon, SK. The survey entailed the inspection of all accessible areas of the facility; including ceiling spaces and pipe chases. The purpose of the survey was to locate, identify and assess the condition of all Asbestos Containing Materials (ACM) located throughout the facility. This report gives a detailed account of the inspection results and our firm's recommendations on control options to be implemented to bring the facility in compliance with the Province of Saskatchewan Occupational Health and Safety Act and Regulations. Bersch & Associates Ltd. conducted the survey in January 2015. A review of this report shall be conducted with all trades that are entering the facility to perform maintenance or renovation activity. This will ensure they are familiar with the types and locations of asbestos-containing materials present and prevent any uncontrolled disturbance and/or possible exposure to asbestos.

3.0 METHODOLOGY

Bersch & Associates Ltd. conducted the survey of the City Hall North located in Saskatoon, SK in January of 2015. The primary documents for guidance and criteria in this survey were the Province of Saskatchewan "Occupational Health and Safety Act and Regulations, 1996", Province of Saskatchewan "Managing Asbestos", and the U.S. Environmental Protection Agency "Guidance for Controlling Asbestos Containing Materials in Buildings". The USEPA document identifies factors associated with the "condition" and the "potential for disturbance or erosion" of asbestos containing materials (ACM). These factors help to determine potential for exposure to ACM and were used to make a qualitative evaluation of the material. It should be noted that the recommendation of "Management" Asbestos Abatement Action is based upon the premise that renovations are not scheduled in that area that will require disturbing or violating the asbestos containing material. In the event that renovations are scheduled that impact upon the areas of asbestos containing material then pre-removal of the asbestos containing materials may be necessary.

In total, twenty-one (21) bulk samples of suspect asbestos-containing materials were collected throughout the facility. Chrysotile asbestos was identified within one (1) of the samples collected. Refer to Appendix I for a copy of the Bulk Sample Analysis Report. All bulk samples collected were analyzed by Bersch & Associates Ltd. laboratory in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as <1% by volume.

4.0 RECOMMENDATIONS:

Throughout the survey of the City Hall North the Asbestos Containing Materials were assessed and given a Priority Rating of One, Two or Three, with Priority One being the items requiring the most immediate attention. As a result, no "Priority One" items were identified within the facility. Refer to the recommendations provided in the attached **Asbestos Survey Database found in** *Appendix II*.

5.0 ASBESTOS ABATEMENT DISCUSSION

Asbestos is a known carcinogen and is listed in the Province of Saskatchewan under the Occupational Health and Safety Appendix, Part V as a Hazardous Chemical Substance and any release of asbestos fibres into the atmosphere creates a potential health hazard. Although the mechanism and epidemiology of asbestos carcinogenisis is not yet well defined, accumulating evidence suggests the significance of exposure at even very low fibre concentrations and hence human exposure should be kept to a minimum. It should be noted however that asbestos is a natural mineral and a measurable background concentration can be detected in any location sampled (inside buildings, outside buildings, urban, rural, etc.). The recommendations of the report are therefore intended to keep the potential exposure to an absolute minimum with the knowledge that a zero exposure is not possible.

Asbestos containing materials have been used in a wide variety of applications. Of particular concern, is the group of so called friable products. A friable product is one that can be crumbled or reduced to powder or smaller fragments by hand pressure. Publications from the U.S.E.P.A. as early as 1977 have indicated the potential hazard of asbestos exposure in buildings containing these friable products. The two main uses of friable asbestos products are as spray insulation (thermal, acoustic or fireproofing) on deck and/or beams or as thermal insulation on piping or mechanical equipment. A large amount of non-friable asbestos-containing materials have also been used in building construction such as asbestos cement board and asbestos containing vinyl flooring.

The mere presence of a friable asbestos containing material does not imply that there is an actual presence of elevated airborne fibre. As numerous studies have indicated, elevated asbestos fibre levels are generally found when settled dust or the actual asbestos containing material itself is disturbed by maintenance, renovation, inadvertent contact or vibration. The factors considered in the Environmental Protection Agency (USEPA) exposure assessment (condition of material, water damage, activity, movement, exposed surface area, accessibility, friability and presence in an air stream) often give some indication of the likelihood of fibre release but are not in any way definitive in determining whether a hazard exists or not. That is, even if the most friable product exists in a building, elevated fibre levels will not likely occur unless there is some disturbance by physical contact, vibration or an air stream.

There are four possible approaches to control exposure to airborne asbestos once a friable material is identified in a building. These methods briefly are as follows:

- A) **Removal** Asbestos material is removed and disposed of by burial and replaced by non-asbestos materials.
- **B)** Encapsulation Asbestos material is coated with a bridging or penetrating sealant.
- C) Enclosure Asbestos containing materials are separated from the building environment by barriers such as suspended ceilings or cladding materials.
- **D) Deferred Action or Management and Custodial Control** The Province of Saskatchewan Human Resources, Labor and Employment Branch under the Occupational health and Safety Regulations publish a document outlining "The Management of Asbestos". In the guide for compliance, an action plan is outlined for management of the asbestos materials identified and in summary is:
 - 1. Identification, which has been accomplished by this report.
 - 2. Development of Written Handling Procedures for maintenance personnel or often arrangements are made for a qualified contractor to conduct the necessary removal or spot maintenance prior to the regular staff conducting maintenance.
 - 3. Asbestos Abatement Awareness and Process Training if the regular maintenance personnel are required to conduct asbestos related activities.
 - 4. Inspection on regular basis is conducted to determine the ongoing condition of the material. Sask. Occupational Health & Safety Regulations require an "annual" inspection of all "friable" asbestos materials by a competent person.

In the event renovations or maintenance is performed within areas containing asbestos materials, written procedures must be developed to conduct the activity or prior removal if the situation warrants.

6.0 **REFERENCES**

- .1 Province of Saskatchewan "The Occupational Health and Safety Act and The Occupational Health and Safety Regulations" Office Consolidation, January 1996.
- .2 Province of Saskatchewan Human Resources, Labor, and Employment "The Management of Asbestos" January, 1991.
- .3 USEPA, 1985. U.S. Environmental Protection Agency, "Guidance for Controlling Asbestos-Containing Materials in Buildings". Washington, DC: Office of Toxic Substances, USEPA.
- .4 Midwest Centre for Occupational Health & Safety St. Paul's, Minnesota Asbestos Training For Inspectors & Management Planners
- .5 McCrone Research Institute Course Hayward California " Asbestos Identification"
- .6 Environment Management and Protection Act, Saskatchewan Environment, October 2002
- .7 Hazardous Substances and waste Dangerous Goods Regulations, Saskatchewan Environment, April 1989

APPENDIX I

BULK SAMPLE ANALYSIS REPORT

BERSCH & ASSOCIATES LTD.

January 16, 2015

City Of Saskatoon Infrastructure Services Department 3130 Laurier Drive Saskatoon, Sk. S7L 5J7

ATTENTION: Brent Anderson

SUBJECT: Bulk Sample Analysis Report

Please find attached the laboratory results for the bulk analysis of the samples collected throughout the City Hall North located at 222 3rd Avenue North in Saskatoon, SK. The samples were analyzed in our laboratory for the identification of asbestos.

The results for the bulk samples were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

This test report relates only to the materials sent for examination and any use or extension of the information by the client of these results is the responsibility of the client. If any questions arise on the results of the attached information please contact me at 306 222 7477. Thank you for this opportunity of service!

Sincerely,

Brad Berschiminsky Bersch & Associates Ltd. File: B67BLA16

Bersch & Associates Ltd.

Box 3568 Humboldt, Sask. S0K 2A0 PROJECT NO. B67.15 CLIENT: City of Saskatoon

BULK SAMPLE ANALYSIS REPORT

B67BAA16

Infrastructure Services- Facilities Branch

Contact: Brent Anderson

Location: City Hall- 222 3rd Avenue North, Saskatoon, SK.

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
1	16-Jan-15	Basement Chiller Room - Large Pipeline Fitting On Yellow Steam Line Adjacent Wet Wall	None Detected		WB
2	16-Jan-15	Basement Chiller Room - Small Green WHWR Fitting Adjacent South Entry	None Detected		WB
3	16-Jan-15	Basement Chiller Room - Large Pipeline Fitting On Green CHS Line Adjacent Fan F-1	None Detected		WB
4	16-Jan-15	Basement Chiller Room - Medium Pipeline Fitting On Red "F" Line Adjacent Breaker Box In Northeast Corner	None Detected		WB
5	21-Jan-15	Area #209 - Spray On Fire-Proofing	None Detected		WB
6	21-Jan-15	Corridor #200/4 - Lineal Pipe Insulation Above Ceiling Tile Adjacent Girls Washroom	None Detected		WB
7	21-Jan-15	Area #301 - Duct Insulation On Large Silver Duct Above Ceiling Tile	None Detected		WB

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B67BAA16

Infrastructure Services- Facilities Branch

Contact: Brent Anderson

Location: City Hall- 222 3rd Avenue North, Saskatoon, SK.

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
8	22-Jan-15	Basement Corridor - Medium Pipeline Fittings On HWS Line At Rear Of Elevator	None Detected		WB
9	22-Jan-15	Basement Corridor - Small Pipeline Fitting On DHW Line At Rear Of Elevator	None Detected		WB
10	22-Jan-15	Basement Corridor - Small Pipeline Fitting On DCW Line At Rear Of Elevator	None Detected		WB
11	22-Jan-15	Parkade - Small Pipeline Fitting On DCW Line Near Basement Entry	None Detected		WB
12	22-Jan-15	Parkade - Small Pipeline Fitting On DHW Line Near Basement Entry	None Detected		WB
13	22-Jan-15	Parkade - Lineal Pipe Insulation On DHW Line Near Basement Entry	None Detected		WB
14	22-Jan-15	Parkade - Medium Pipeline Fitting Adjacent Unit Heater In Centre of Parkade	None Detected		WB

Bersch & Associates Ltd.

Box 3568 Humboldt, Sask. S0K 2A0 PROJECT NO. B67.15 CLIENT: City of Saskatoon

BULK SAMPLE ANALYSIS REPORT

B67BAA16

Infrastructure Services- Facilities Branch

Contact: Brent Anderson

Location: City Hall- 222 3rd Avenue North, Saskatoon, SK.

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	º⁄₀	ANALYST
15	22-Jan-15	Parkade - Medium Pipeline Fitting Adjacent Unit Heater Adjacent Garage Door	None Detected		WB
16	22-Jan-15	Parkade - LPS Pipeline Fitting In Southwest Corner	None Detected		WB
17	22-Jan-15	Parkade - Pipeline Fitting On PC Line In Southwest Corner	None Detected		WB
18	22-Jan-15	Parkade - CHWR Pipeline Fitting In Southwest Corner	None Detected		WB
19	22-Jan-15	Parkade - CHWS Pipeline Fitting In Southwest Corner	None Detected		WB
20	22-Jan-15	Room #324 - Fire Stop Material At Floor Penetrations	None Detected		WB
21	22-Jan-15	Room #324 - 1' x 1' Floor Tile Brown With Brown & White Spec Pattern	Chrysotile	1 to 5	WB

APPENDIX II

ASBESTOS SURVEY DATABASE

								Bers	sch As	sociates Ltd.				
City Ha	II North													
	Room		SAMPLE	Sample	Date	Asbestos	 PLE DATA Tradename	I I		Description of	Asbestos Content	Potential for		
Floor	Number	Use	SAMPLE REP		DD/MM/YY	Type	ACM Product	Condition Price	oritv	Sample Location	In Area	Disturbance	Action	Comments
В	B01	Storage									No Accessible ACM			
В	B02	C C									No Accessible ACM			
		Trades Office/Lunch												
В	B03	Room								Dertre de	No Accessible ACM			
						None	Pipeline Fitting			Parkade Small Pipeline Fitting On				
в	B04	Parkade	Sample	B15-ASB.11	22-Jan-15		Compound			CW Line Near Basement	No Accessible ACM			
										Parkade				
						None	Pipeline Fitting			Small Pipeline Fitting On				
В	B04	Parkade	Sample	B15-ASB.12	22-Jan-15	Detected	Compound			OHW Line Near Basement	No Accessible ACM			
						Nana	Dinalina Fitting			Parkade				
в	B04	Parkade	Sample	B15-ASB.13	22- Jan-15	None Detected	 Pipeline Fitting Compound		- ח	Lineal Pipe Insulation On OHW Line Near Basement	No Accessible ACM			
	504	Tantado	Campie	D107(0D.10	22 001110	Deletica	Compound			Parkade				
									-	Medium Pipeline Fitting				
						None	Pipeline Fitting			djacent Unit Heater(Centre of				
В	B04	Parkade	Sample	B15-ASB.14	22-Jan-15	Detected	Compound			Parkade)	No Accessible ACM			
										Parkade Medium Pipeline Fitting				
						None	Pipeline Fitting			Adjacent Unit Heater Adjacent				
в	B04	Parkade	Sample	B15-ASB.15	22-Jan-15		Compound			, ,	No Accessible ACM			
										Parkade				
						None	Pipeline Fitting			LPS Pipeline Fitting In South				
В	B04	Parkade	Sample	B15-ASB.16	22-Jan-15	Detected	Compound				No Accessible ACM			
						None	Pipeline Fitting			Parkade Pipeline Fitting In South West				
в	B04	Parkade	Sample	B15-ASB.17	22-Jan-15		Compound			Corner	No Accessible ACM			
	201	. and o	Campio	2107.02111	EE Guil 10	20100100	Compound		-	Parkade				
						None	Pipeline Fitting			CHWR Pipeline Fitting In				
В	B04	Parkade	Sample	B15-ASB.18	22-Jan-15	Detected	Compound			South West Corner	No Accessible ACM			
						None	Dinalina Fitting			Parkade				
в	B04	Parkade	Sample	B15-ASB.19	22- Jan-15		Pipeline Fitting Compound			CHWS Pipeline Fitting In South West Corner	No Accessible ACM			
	004	Tarkade	Gampie	D13-A00.13	22-5411-15	Delected	Compound		-	Basement Chiller Room	NO ACCESSIBLE ACIVI			
										Large Pipeline Fitting On				
						None	Pipeline Fitting			ellow Steam Line Adjacent				
В	B05	Chiller Room	Sample	B15-ASB.1	16-Jan-15	Detected	Compound				No Accessible ACM			
						None	Pipeline Fitting			Basement Chiller Room Small Green WHWR Fitting				
в	B05	Chiller Room	Sample	B15-ASB.2	16-Jan-15		Compound			Adjacent South Entry	No Accessible ACM			
	200		Campio	2.07.00.2		20.0000				Basement Chiller Room		<u> </u>		
										Large Pipeline Fitting On				
				_		None	Pipeline Fitting			Green CHS Line Adjacent Fan				
В	B05	Chiller Room	Sample	B15-ASB.3	16-Jan-15	Detected	Compound		F	-1	No Accessible ACM			
									R	Basement Chiller Room				
										Medium Pipeline Fitting On				
						None	Pipeline Fitting			Red "F" Line Adjacent Breaker				
В	B05	Chiller Room	Sample	B15-ASB.4	16-Jan-15	Detected	Compound			Box In North East Corner	No Accessible ACM			
В	B06	0									No Accessible ACM			
В	BS2	Stairwell									No Accessible ACM			
В	E-1	Elevator									No Accessible ACM			1 - (10

									В	Bersch A	ssociates Ltd.				
City F	Hall North		1				0.4.14								
	D			0	Dete	Achectes		PLE DATA Tradename			Decerintian of	Ashastas Contant	Detended for		
Floor	Room Number	Use	SAMPLE SAMPLE REP	Sample ID	Date DD/MM/YY	Asbestos Type	% of Asbestos		Condition	Priority	Description of Sample Location	Asbestos Content In Area	Potential for Disturbance	Action	Comments
B	B07	030				Type	ASDESIUS	Adminidude	Condition	Friority	Sumple Location	No Accessible ACM	Distuibance	Action	Comments
D	DU1	Main Electrical										NO ACCESSIBIE ACIVI			
В	B08	Service										No Accessible ACM			
	000	Ramp Room										NO ACCESSIBLE ACIVI			
В	B09	Storage										No Accessible ACM			
B	B09A	9-										No Accessible ACM			
В	B09B											No Accessible ACM			
В	B10											No Accessible ACM			
В	BS1	Stairwell										No Accessible ACM			
В	B11											No Accessible ACM			
В	B12											No Accessible ACM			
В	B13	Ramp Up		ļ								No Accessible ACM			
						Nerr		Disalina Cittir			Basement Corridor				
Р	D4 4	Corridor	Correla		22 10- 15	None		Pipeline Fitting			- Medium Pipeline Fittings On				
В	B14	Corridor	Sample	B15-ASB.8	22-Jan-15	Detected		Compound			HWS At Rear Of Elevator Basement Corridor	No Accessible ACM			
						None		Pipeline Fitting			- Small Pipeline Fitting On				
В	B14	Corridor	Sample	B15-ASB.9	22- Jan-15	1		Compound			DHW At Rear Of Elevator	No Accessible ACM			
0		Comuon	Cample	B13-A0D.3	22-5411-15	Delected		Compound			Basement Corridor	NO ACCESSIBLE ACIVI			
						None		Pipeline Fitting			- Small Pipeline Fitting On				
В	B14	Corridor	Sample	B15-ASB.10	22-Jan-15			Compound			DHW At Rear Of Elevator	No Accessible ACM			
В	BS3	Stairwell										No Accessible ACM			
М	100A	Vestibule										No Accessible ACM			
М	100B											No Accessible ACM			
М	100C	Landing										No Accessible ACM			
М	S-3	Stairwell										No Accessible ACM			
М	101	Lobby										No Accessible ACM			
М	102	Information Desk									D	No Accessible ACM			
								Vinul Achecter			Room #324				
54	103	Vestibule	Sample Rep	D15 ASD 21	22 Jan 15	Chrypotile		Vinyl Asbestos Tile	Good	3	- 1' x 1' Floor Tile Brown With Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
M	103	Security Desk	Sample Rep	D10-A3D.21	22-Jan-15	Chrysollie	1-5%	The	Good	3	Brown & White Spec Pattern	No Accessible ACM	Low	wanage	
M	104	Council Chambers										No Accessible ACM			
M	105	Council Onambers							+ +			No Accessible ACM			
M	107											No Accessible ACM			
		Area Behind													
М	108	Chambers										No Accessible ACM			
		Area Behind													
М	109	Chambers										No Accessible ACM			
		Area Behind										L			
М	110	Chambers										No Accessible ACM			
		Area Behind													
М	111	Chambers										No Accessible ACM			
N.4	110	Area Behind Chambers										No Accessible ACM			
M	112 S-1	Stairwell							<u>├</u>			No Accessible ACM			
M	113/1A	Stail Well										No Accessible ACM			
M	113/1A											No Accessible ACM			
M	113/1C		1									No Accessible ACM			
M	113/1D					1						No Accessible ACM			
М	113/1E											No Accessible ACM			

0.4									В	ersch As	ssociates Ltd.				
City H	all North						0.4.14								
	Deem			0	Dete	Acheolee		PLE DATA			Description of	Asbestos Content	Detended for		
Floor	Room Number	Use	SAMPLE SAMPLE REP	Sample ID	Date DD/MM/YY	Asbestos Type		Tradename ACM Product	Condition	Priority	Description of Sample Location	In Area	Disturbance	Action	Comments
M	113/1F			10	DD/MM/TT	.) 0	73563103		Contaition	nonty		No Accessible ACM		Action	
M	113/1G											No Accessible ACM			
M	113/10 113/1H											No Accessible ACM			
M	113/2A											No Accessible ACM			
M	113/2R											No Accessible ACM			
M	113/2D											No Accessible ACM			
M	113/2D											No Accessible ACM			
M	113/2E											No Accessible ACM			
M	113/3A	Collections										No Accessible ACM			
M	113/3B	Collections										No Accessible ACM			
M	113/3C	Collections										No Accessible ACM			
M	113/3D	Collections										No Accessible ACM			
M	113/3E	Collections										No Accessible ACM			
M	113/3E	Collections										No Accessible ACM			
M	113/3G	Collections										No Accessible ACM			
M	113/3H	Collections										No Accessible ACM			
M	113/4A	Office										No Accessible ACM			
M	113/4B	Office										No Accessible ACM			
M	113/4C	Office										No Accessible ACM			
M	113/4D	Office										No Accessible ACM			
M	113/4E	Office										No Accessible ACM			
M	113/4F	Office										No Accessible ACM			
M	113/4G	Office										No Accessible ACM			
M	113/4H	Office										No Accessible ACM			
M	113/4J	Corridor										No Accessible ACM			
M	113/5A	Office										No Accessible ACM			
M	113/5A	Office										No Accessible ACM			
M	113/5B	Office										No Accessible ACM			
M	113/5C	Office										No Accessible ACM			
M	113/5D	Office										No Accessible ACM			
M	113/5E	Corridor										No Accessible ACM			
M	113/5F	Office										No Accessible ACM			
М	113/5G	Office										No Accessible ACM			
M	113/6A											No Accessible ACM			
M	113/6B	Corridor										No Accessible ACM			
M	113/6C											No Accessible ACM			
М	113/6D	Office										No Accessible ACM			
M	113/6E											No Accessible ACM			
М	113/7A	Office										No Accessible ACM			
М	113/7B	Office										No Accessible ACM			
М	113/7C	Office										No Accessible ACM			
M	113/7D	Office										No Accessible ACM			
М	113/7E	Office	1									No Accessible ACM			
М	113/7F	Office	1									No Accessible ACM			
	113/7G	Office										No Accessible ACM			
М	113/7H	Office	1									No Accessible ACM			
М	113/71	Office										No Accessible ACM			
М	113/7J	Office										No Accessible ACM			
М	113/8A	Office										No Accessible ACM			
М	113/8B	Office										No Accessible ACM			
М	113/8C	Office	1									No Accessible ACM			
М	113/8D	Office										No Accessible ACM			

Olice Hall Marsh								В	ersch A	ssociates Ltd.				
City Hall North						SAM	PLE DATA							
Room		SAMPLE	Sample	Date	Asbestos		Tradename	<u>т т</u>		Description of	Asbestos Conten	t Detential for		
Floor Number	Use	SAMPLE REP	ID	DD/MM/YY		Asbestos		Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments
M 113/9A	Office				71.5				,		No Accessible ACM			
M 113/9B	Office							1 1			No Accessible ACM			
M 113/9C	Office										No Accessible ACM			
M 113/9D	Office										No Accessible ACM			
M 113/9E	Office										No Accessible ACM			
M 113/9F	Office										No Accessible ACM	1		
M 114A											No Accessible ACM	1		
M 114B											No Accessible ACM			
M 115	Office										No Accessible ACM	1		
M 116	Office										No Accessible ACM			
M 117	Office										No Accessible ACM			
M 118	Office										No Accessible ACM			
M 119	Office										No Accessible ACM			
M 120	Office										No Accessible ACM			
M 121	Office										No Accessible ACM			
M 122	Office	I I									No Accessible ACM			
M 123	Office										No Accessible ACM			
M 124	Office										No Accessible ACM			
M 125	Office										No Accessible ACM			
M 126	Office										No Accessible ACM			
M 127/1A											No Accessible ACM			
M 127/1B								+ +			No Accessible ACM			
M 127/1C	Corridor										No Accessible ACM			
M 127/1D	Corridor							+ +			No Accessible ACM			
M 127/1E M 127/1F								+ +			No Accessible ACM No Accessible ACM			
M 127/1F M 127/2A											No Accessible ACM			
M 127/2A								+ +			No Accessible ACM			
M 127/2B								+ +			No Accessible ACM			
M 127/2D								<u> </u>			No Accessible ACM			
M 127/2E								+ +			No Accessible ACM			
M 127/2F	Office										No Accessible ACM			
M 127/2G	Office										No Accessible ACM			
M 127/3A	Office							1 1			No Accessible ACM			
M 127/3B	Office							1 1			No Accessible ACM			
M 127/4A	Office							1 1			No Accessible ACM			
M 127/4B	Office							1 1			No Accessible ACM			
M 127/4C	Office										No Accessible ACM			
M 128/1A	Office										No Accessible ACM			
M 128/1B											No Accessible ACM			
M 128/1C	Office										No Accessible ACM			
M 128/1D	Office										No Accessible ACM	1		
M 128/1E	Corridor										No Accessible ACM			
M 128/2A											No Accessible ACM	1		
M 128/2B	Office										No Accessible ACM			
M 128/2C	Office										No Accessible ACM			
M 128/2D	Office								T		No Accessible ACM			
M 128/2E	Office							Ι Τ			No Accessible ACM			
M 129	Office										No Accessible ACM			
M 130								↓			No Accessible ACM			
M 131	Bathroom	I I									No Accessible ACN			
M 132	Bathroom									Otto Llall Marsh	No Accessible ACM	1		

									E	Bersch A	ssociates Ltd.				
City H	all North		1									-			
 			0.000			A	-	PLE DATA			Decembration of	Ashestes Osutent			1
Floor	Room Number	Use	SAMPLE SAMPLE REP	Sample ID	Date DD/MM/YY	Asbestos Type	% of	Tradename ACM Product	Condition	Priority	Description of Sample Location	Asbestos Content In Area	Potential for Disturbance	Action	Comments
M	133	Bathroom				турс	ASDESIUS	Adminidude	contaition	rnonty	Sumple Location	No Accessible ACM	Distuibance	Action	Comments
M	133	Bathroom										No Accessible ACM			
M	134	Corridor										No Accessible ACM			
M	136	Vestibule										No Accessible ACM			
M	E-1	Elevator										No Accessible ACM			
101	L-1	Lievator									Room #324				
								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
М	138		Sample Rep	B15-ASB 21	22- Jan-15	Chrysotile	1-5%	Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
101	100		Campie Rep	B107(0B.21	22 001110	Onrysource	10/0	The	0000		Room #324	Viriyi / Obcotoo Tric	2011	Manage	
1								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
м	139		Sample Rep	B15-ASB 21	22- Jan-15	Chrysotile	1-5%	Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
M	140		Cample Rep	D13-A00.21	22-5411-15	Onrysome	1-070		0000	5	Brown & White Opec I attern	No Accessible ACM	LOW	Manage	
M	S-2	Stairwell										No Accessible ACM			
M	141											No Accessible ACM			
M	142	Storage										No Accessible ACM			
M	143	Corridor										No Accessible ACM			
M	144	Corridor										No Accessible ACM			
M	145	Corridor										No Accessible ACM			
M	146	Corridor										No Accessible ACM			
	140	2nd Floor North													
2	200/1	Hallway										No Accessible ACM			
2	200/1	Tiannay										No Accessible ACM			
2	200/2A											No Accessible ACM			
2	200/2/4	Corridor										No Accessible ACM			
	200/3	Connadi									Room # 2nd Floor Corridor				
1											- Lineal Pipe Insulation Above				
1						None		Lineal Pipe			Ceiling Tile Adjacent Girls				
2	200/4	Vestibule	Sample	B15-ASB.6	21- Jan-15			Insulation			Washroom	No Accessible ACM			
2	200/4	Voolibulo	Gampie	2107102.0	21 0011 10	Dottoottou		modiation				No Accessible ACM			
2	201B											No Accessible ACM			
2	2018	Corridor										No Accessible ACM			
2	202B	Office										No Accessible ACM			
2	203	Onico										No Accessible ACM			
2	204											No Accessible ACM			
2	205	Bathroom										No Accessible ACM			
2	206				1							No Accessible ACM	<u> </u>		
2	207											No Accessible ACM			
2	208											No Accessible ACM			
<u> </u>						None					Area #209				
2	209/1A		Sample	B15-ASB.5	21-Jan-15			Fireproofing			- Spray On Fire-Proofing	No Accessible ACM			
2	209/1B											No Accessible ACM	<u> </u>		
2	209/1C											No Accessible ACM			
	209/1D											No Accessible ACM			
2	209/1E											No Accessible ACM			
	=										Room #324				
1								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
2	210	Office	Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good			Vinyl Asbestos Tile	Low	Manage	
2	210	Office	2p.10 1.10p					-				No Accessible ACM			
2	212			1	1							No Accessible ACM	<u> </u>		
2	212											No Accessible ACM	<u> </u>		
2	214											No Accessible ACM			
2	215	Storage	1									No Accessible ACM			

									В	Bersch A	ssociates Ltd.				
City I	Hall North						0.4.14					1			
	Deem			0	Dete	Acheotee					Description of	Achaetee Content	Detential fee		
Floor	Room Number	Use	SAMPLE SAMPLE REP	Sample ID	Date DD/MM/YY	Asbestos Type	% of Asbestos	Tradename ACM Product	Condition	Priority	Description of Sample Location	Asbestos Content In Area	Disturbance	Action	Comments
	216	Bathroom				Type	ASDESIUS	Adminidude	contaition	Filonity	Campie Ecoution	No Accessible ACM		Action	
2	216	Bathroom										No Accessible ACM			
2	S-1	Stairwell										No Accessible ACM			
2	218/1A	Office										No Accessible ACM			
2	218/1A 218/1B	Office										No Accessible ACM			
2	218/1C	Office										No Accessible ACM			
2	210/10 219/1A	Onioc										No Accessible ACM			
2	219/1B											No Accessible ACM			
2	219/1C											No Accessible ACM			
2	210/10	Admin Hallway										No Accessible ACM			
2	221	Adminintialiway										No Accessible ACM			
2	222											No Accessible ACM			
2	223											No Accessible ACM			
2	224/1A											No Accessible ACM			
2	224/1A 224/1B											No Accessible ACM			
2	225											No Accessible ACM			
2	225/1A											No Accessible ACM			
2	225/1B											No Accessible ACM			
2	225/1C											No Accessible ACM			
2	225/10											No Accessible ACM			
2	225/2A											No Accessible ACM			
2	225/2B											No Accessible ACM			
2	225/2C											No Accessible ACM			
2	225/2D											No Accessible ACM			
2	225/E											No Accessible ACM			
2	226	Corridor										No Accessible ACM			
2	227	Comdoi										No Accessible ACM			
2	228	Flex Area										No Accessible ACM			
	220	T lox / trou									Room #324				
								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
2	229A		Sample Rep	B15-ASB 21	22- Jan-15	Chrysotile		Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
	LLON		oumpio rtop	BIG / (OB).21	22 001110	Chilyboano	1070	1110	0000	- Ŭ	Room #324		2011	manage	
								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
2	229B		Sample Rep	B15-ASB 21	22- Jan-15	Chrysotile	1-5%	Tile	Good		Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
2	230	Flex Area	Sampie Rop	2107.00.21	0011 10	July Source	1.070					No Accessible ACM		manago	
<u> </u>													+ +		
2	231	Committee Room 'A'										No Accessible ACM			
2	232A	Communications										No Accessible ACM			
2	232B	Communications										No Accessible ACM			
2	232C	Communications										No Accessible ACM			
2	233	Series noutions										No Accessible ACM			
⊢––													1 1		
2	235	Committee Room 'B'										No Accessible ACM			
2		Closet										No Accessible ACM			
2		0,0001										No Accessible ACM			
2	236/1D											No Accessible ACM			
2	237											No Accessible ACM			
2	238/1A						-					No Accessible ACM			
2	238/1B											No Accessible ACM			
2	238/1C											No Accessible ACM	+ +		
2	238/1D						-					No Accessible ACM			
2	238/1E											No Accessible ACM			
2	200/10		1			I	1	1				TO ACCESSIBLE ACIVI	1		0 -(10

									E	Bersch A	ssociates Ltd.				
City H	all North		1				0.4.14					1			
<u> </u>			0.1MBI 5		5	A	-				Description of	Asbestos Content			
Floor	Room Number	Use	SAMPLE SAMPLE REP	Sample ID	Date DD/MM/YY	Asbestos Type	% of	Tradename ACM Product	Condition	Driority	Description of Sample Location	In Area	Disturbance	Action	Comments
		036	SAWFLE KEP			туре	ASDESIUS	Adminiouder	Contaition	FIIOIILY	Cample Location			ACTION	ooninients
2	238/1F 239/1A											No Accessible ACM No Accessible ACM			
2	239/1A 239/1B											No Accessible ACM			
2 2	239/1B 239/2A											No Accessible ACM			
2	239/2A 239/2B											No Accessible ACM			
2	239/2B 239/2C	Office										No Accessible ACM			
2	239/20 239/2D	Office										No Accessible ACM			
2	239/20	Office										No Accessible ACM			
2	240	Office										No Accessible ACM			
2	242	Office										No Accessible ACM			
2	243	Office										No Accessible ACM			
2	244	Office										No Accessible ACM			
2	245	Office										No Accessible ACM			
2	246	Office										No Accessible ACM			
2	247	Office	1									No Accessible ACM			
2	248	Office										No Accessible ACM			
2	249	Office										No Accessible ACM			
2	250/1A	Library										No Accessible ACM			
2	250/1B											No Accessible ACM			
2	250/1C											No Accessible ACM			
2	251	Closet										No Accessible ACM			
	252	Storage	Sample Rep	D15 ASD 01	22 Jap 15	Chrypotilo		Vinyl Asbestos Tile	Good		Room #324 - 1' x 1' Floor Tile Brown With Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
2	252	Bathroom	Sample Rep	B15-A3B.21	22-Jan-15	Chrysolie	1-576	Tile	Guu	3	BIOWING WITTLE Spec Fattern	No Accessible ACM		wanaye	
2	253	Bathroom										No Accessible ACM			
2	255	Bathroom										No Accessible ACM			
2	256	Bathroom										No Accessible ACM			
2	257	Storage										No Accessible ACM			
2	258/1A	Office										No Accessible ACM			
2	258/1B	Office										No Accessible ACM			
2	258/1C	Office										No Accessible ACM			
2	258/1D	Office										No Accessible ACM			
2	258/2A	Office										No Accessible ACM			
2	258/2B	Office										No Accessible ACM			
2	258/2C	Office										No Accessible ACM			
2	259	Office										No Accessible ACM			
2	260	Office										No Accessible ACM			
2	261	Office	1									No Accessible ACM			
2	262	Office	1									No Accessible ACM			
2	263	Office	1									No Accessible ACM			
											Room #324				
			1	1				Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
2	265	Office	Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good			Vinyl Asbestos Tile	Low	Manage	
								Vinyl Asbestos			Room #324 - 1' x 1' Floor Tile Brown With			Ţ	
2	266	Office	Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
2	267	Office										No Accessible ACM			
2	S-2	Stairwell										No Accessible ACM			
2	268									T		No Accessible ACM			
2	E-1	Elevator										No Accessible ACM			
2	270	Office										No Accessible ACM			

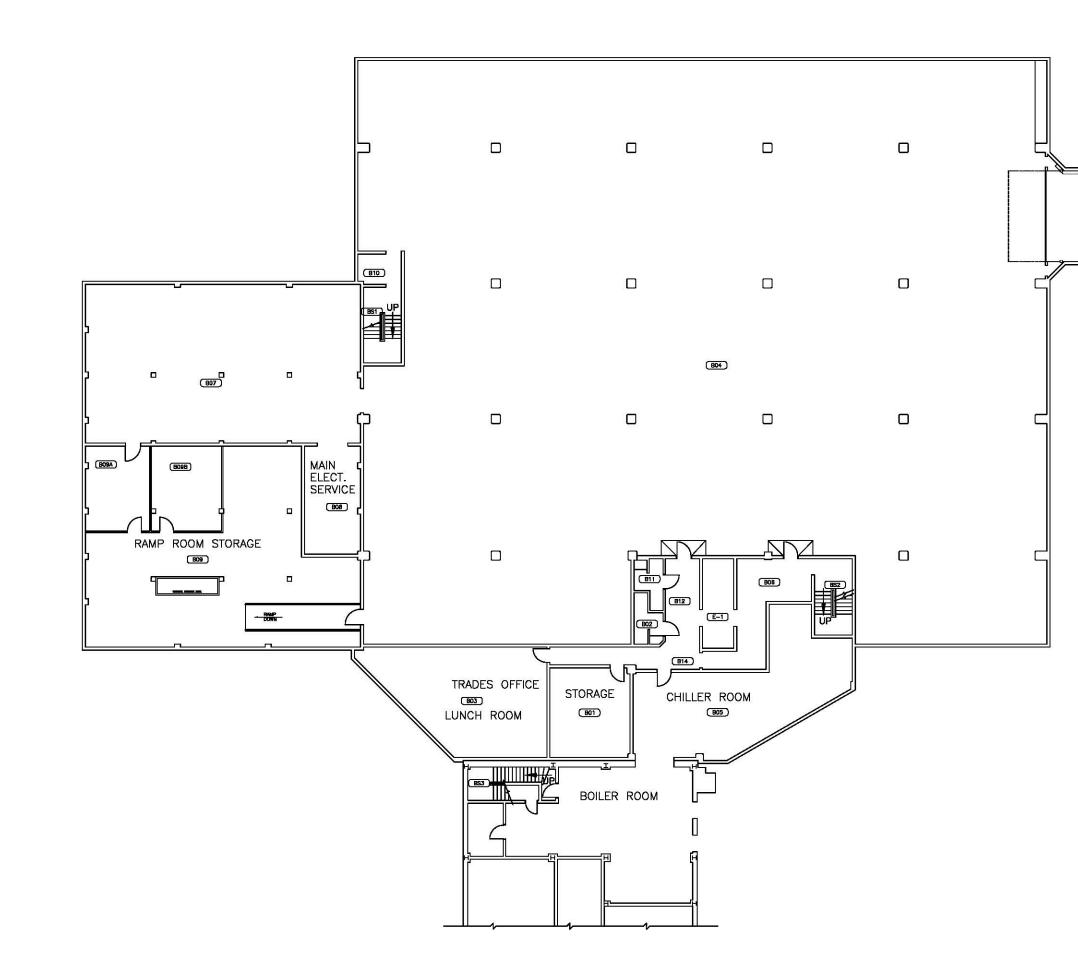
									Berse	h Associates Ltd.				
City I	all North		1				0.4.14				1			
	_		0.000			A			<u>г г</u>	Description of	Asbestos Content			
Floor	Room Number	Use	SAMPLE SAMPLE REP	Sample ID	Date DD/MM/YY	Asbestos Type		Tradename ACM Product	Condition Prio	Description of ity Sample Location	In Area	Disturbance	Action	Comments
-	271	Office				Type	ASDESIUS	Adminidude	Condition Filo		No Accessible ACM		Action	Comments
2	271	3rd Floor North									NO ACCESSIBLE ACIVI			
3	300/1A	Hallway									No Accessible ACM			
3	300/1A 300/1B	Corridor									No Accessible ACM			
5	300/10	Contaon								Infrastructure Services	NO ACCESSIBLE ACIVI			
						None				- Duct Insulation On Large				
3	301/1A	Office	Sample	B15-ASB.7	21- Jan-15			Duct Insulation		Silver Duct Above Ceiling Tile	No Accessible ACM			
3	301/1A	Office	Sample	D13-A0D.1	21-Jan-13	Delected		Duct Insulation		Silver Duct Above Celling The	No Accessible ACM			
3	301/1C	Office									No Accessible ACM			
3	301/1D	Office									No Accessible ACM			
3	301/1E	Office									No Accessible ACM			
3	301/1E	Corridor									No Accessible ACM			
3	301/2A	Office									No Accessible ACM			
3	301/2A 301/2B	Office	1		+						No Accessible ACM			
3	301/2D	Office	1		+						No Accessible ACM			
3	301/2D	Office									No Accessible ACM			
3	301/2E	Office									No Accessible ACM			
3	301/2F	Office									No Accessible ACM			
3	301/2G	Office									No Accessible ACM			
3	301/20 301/2H	Office									No Accessible ACM			
3	301/3A	Office									No Accessible ACM			
3	301/3B	Office									No Accessible ACM			
3	301/3C	Corridor									No Accessible ACM			
3	301/3D	Office									No Accessible ACM			
3	301/3E	Corridor									No Accessible ACM			
3	301/4A	Office									No Accessible ACM			
3	301/4B	Corridor									No Accessible ACM			
3	301/4C	Office									No Accessible ACM			
3	301/4D	Office									No Accessible ACM			
3	301/4E	0									No Accessible ACM			
3	301/4F										No Accessible ACM			
3	301/4G	Office									No Accessible ACM			
3	301/5A	Office									No Accessible ACM			
3	301/5B	Office									No Accessible ACM			
3	301/5C	Office									No Accessible ACM			
3	301/5D	Office				1					No Accessible ACM			
3	301/5E	Office				1					No Accessible ACM			
3	301/5F					1					No Accessible ACM			
3	301/5G	Office				1					No Accessible ACM			
3	301/5H	Office				1					No Accessible ACM			
3	301/6A	Office				1					No Accessible ACM			
3	301/6B	Office	1								No Accessible ACM			
3	301/6C	Office				1					No Accessible ACM			
3	301/6D	Office				1					No Accessible ACM			
3	301/6E	Office	1		1						No Accessible ACM			
3	301/6F	Office									No Accessible ACM			
3	301/6G	Office	1		1						No Accessible ACM			
3	301/6H	Office									No Accessible ACM			
3	301/6J	Corridor									No Accessible ACM			
3	301/7A	Office	1		1						No Accessible ACM			
3	301/7B	Office									No Accessible ACM			
3	301/7C	Office									No Accessible ACM			

									Be	ersch As	ssociates Ltd.				
City I	all North		1				0.4.14					-			
	_		0.000			A		PLE DATA			Description of	Ashestes Osutent			
Floor	Room Number	Use	SAMPLE SAMPLE REP	Sample ID	Date DD/MM/YY	Asbestos Type		Tradename ACM Product	Condition F	Priority	Description of Sample Location	Asbestos Content In Area	Disturbance	Action	Comments
3	301/7D	Office			00/111/11	- 76 -	10000100			nonty		No Accessible ACM		//0//0//	
3	301/8A	Office										No Accessible ACM			
3	301/8B	Office										No Accessible ACM			
3	301/8C	Office										No Accessible ACM			
3	301/9A	Office										No Accessible ACM			
3	301/9B	Office										No Accessible ACM			
3	301/9C	Office										No Accessible ACM			
3	301/9D	Corridor										No Accessible ACM			
3	301/9E	Office										No Accessible ACM			
3	302/1A	Office										No Accessible ACM			
3	302/1B	Office										No Accessible ACM			
3	302/1C	Office										No Accessible ACM			
3	302/1D	Office										No Accessible ACM			
3	302/1E	Office										No Accessible ACM			
3	302/1F	Office										No Accessible ACM			
3	302/1G	Office										No Accessible ACM			
3	302/1H	Office										No Accessible ACM			
3	302/2A	Office										No Accessible ACM			
3	302/2B	Office										No Accessible ACM			
3	302/2C	Office										No Accessible ACM			
3	302/2D	Office										No Accessible ACM			
3	302/2E	Corridor										No Accessible ACM			
3	302/2F	Office										No Accessible ACM			
3	302/2G	Office										No Accessible ACM			
3	302/4A	Office										No Accessible ACM			
3	302/4B	Office										No Accessible ACM			
3	302/4C	Office										No Accessible ACM			
3	302/5A	Office										No Accessible ACM			
3	302/5B	Office										No Accessible ACM			
3	302/5C	Office										No Accessible ACM			
3	302/5D	Office										No Accessible ACM			
3	302/5E	Office										No Accessible ACM			
3	302/5G	Office										No Accessible ACM			
3	302/5H	Corridor										No Accessible ACM			
3	303											No Accessible ACM			
3	304											No Accessible ACM			
3	S-1	Stairwell										No Accessible ACM			
3	305	Office										No Accessible ACM			
3	306	Office										No Accessible ACM			
3	307	Office										No Accessible ACM			
3	306	Office										No Accessible ACM			
3	308	Office										No Accessible ACM			
3	309	Office										No Accessible ACM			
3	310	Office										No Accessible ACM			
3	311	Office										No Accessible ACM			
3	312	Office										No Accessible ACM			
3	313	Office										No Accessible ACM			
3	314	Office										No Accessible ACM			
3	315	Bathroom										No Accessible ACM			
3	316	Bathroom										No Accessible ACM			
3	317	Bathroom										No Accessible ACM			
3	318	Bathroom										No Accessible ACM			

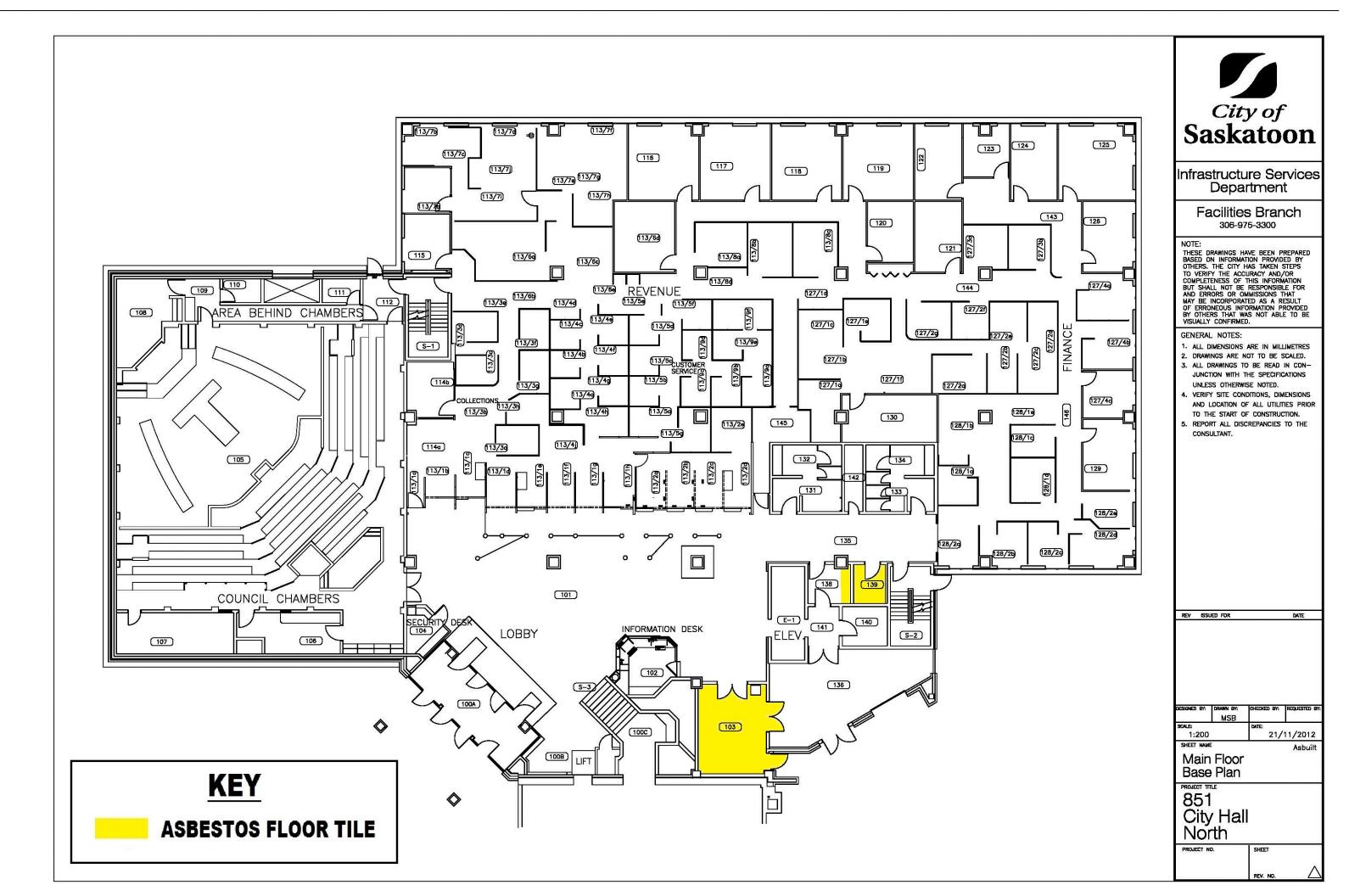
	Bersch Associates Ltd.														
City I	all North														
				r		1		PLE DATA					· · ·		
	Room		SAMPLE	Sample	Date	Asbestos		Tradename			Description of	Asbestos Content	Potential for		
Floor	Number	Use	SAMPLE REP	ID ID	DD/MM/YY	Туре	Asbestos	ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments
3	319/1A											No Accessible ACM			
3	319/1B											No Accessible ACM			
3	319/1C											No Accessible ACM			
3	320											No Accessible ACM			
3	321											No Accessible ACM			
											Room #324				
								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
3	323		Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
											Room #324				
						None		Fire-Stop			- Fire Stop Material At Floor				
3	324		Sample	B15-ASB.20	22-Jan-15	Detected		Material			Penetrations	No Accessible ACM			
											Room #324				
								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
3	324		Sample	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
3	325											No Accessible ACM			
3	S-2	Stairwell										No Accessible ACM			
3	326											No Accessible ACM			
3	E-1	Elevator										No Accessible ACM			
3	327											No Accessible ACM			
3	328											No Accessible ACM			
3	329	Storage										No Accessible ACM			
3	330											No Accessible ACM			

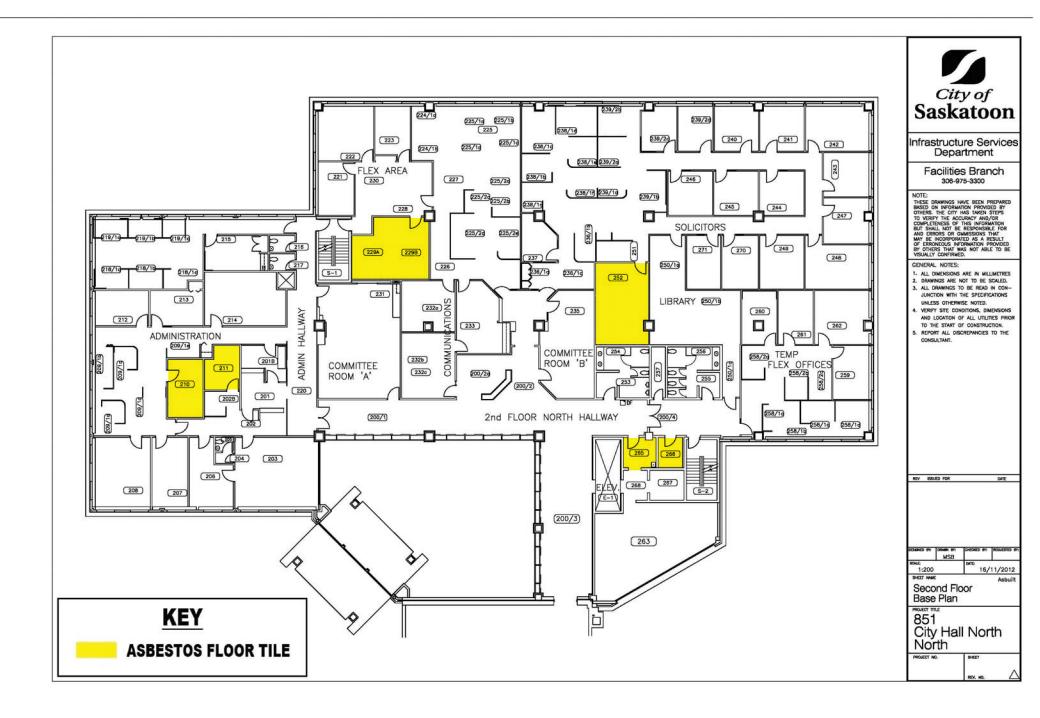
APPENDIX III

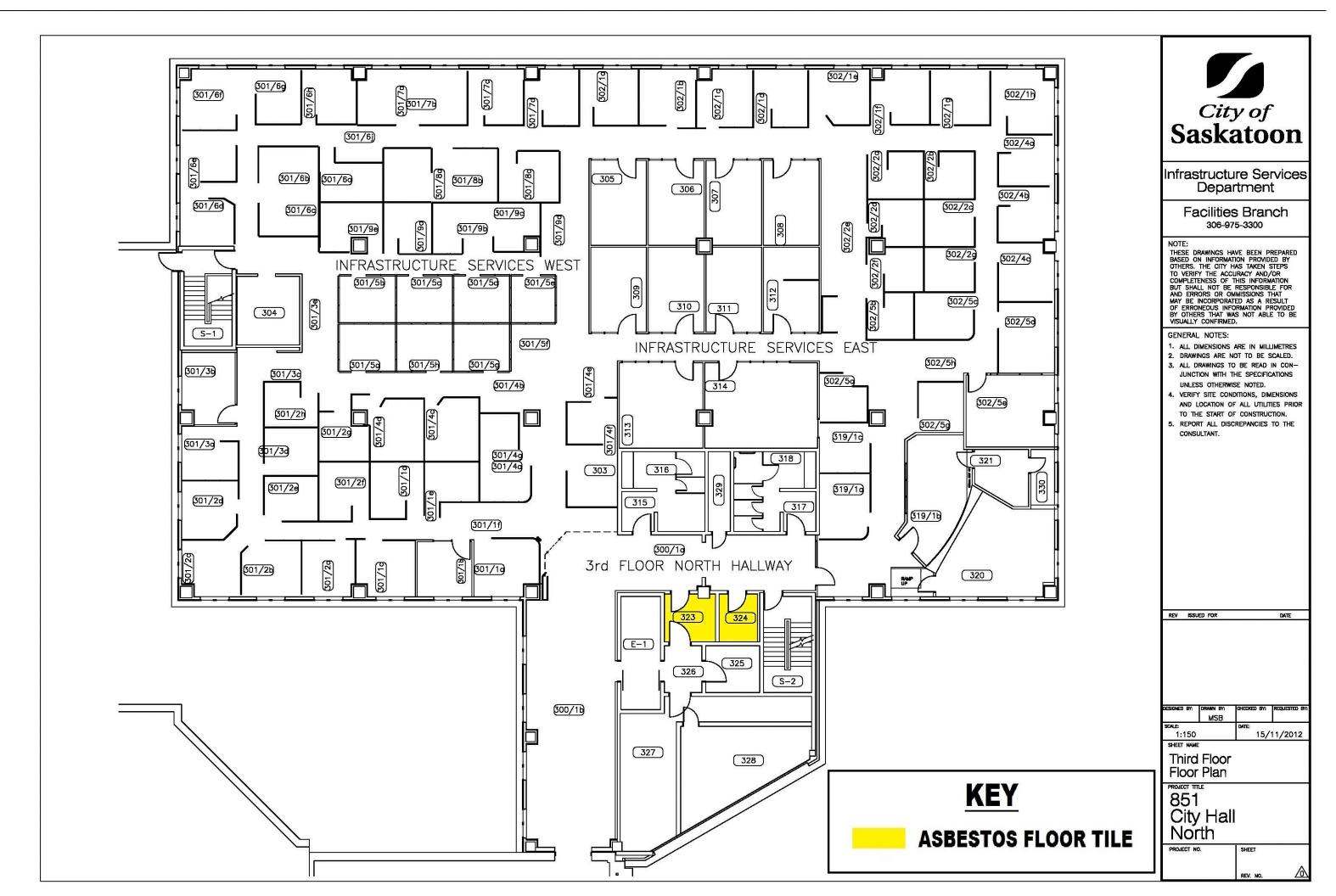
FLOOR PLANS

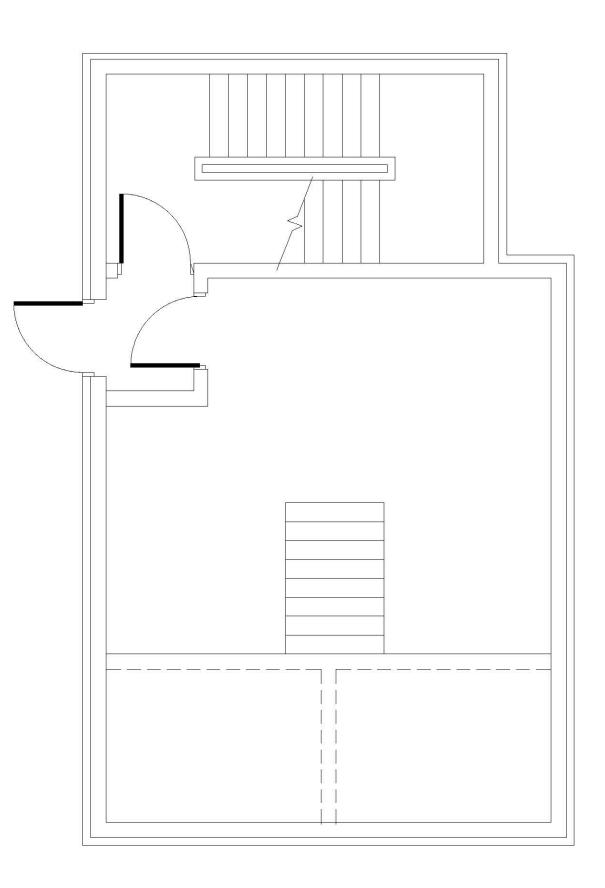


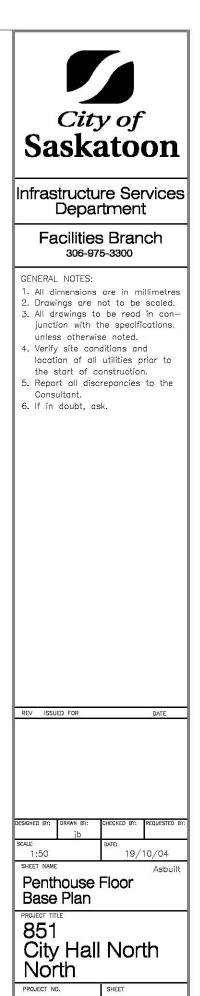
RAMP UP (ED) RAMP UP (ED) RAMP UP (ED) RESIDENT OF CONTRACT PROPERTIES RESIDENT THE ACCURATION PROVIDED BY DIVERSING ARE IN MULTINE TO BE TO THE RESIDENCE OF THE RESIDE	<i>City of</i> Saskatoon
NOTE: THESE DAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY TO VERY THE ACCURATION PROVIDED BY DIFFERENCES FOR MALE TO BE VIAUL CONTRIBUT. COMPLETINESS OF THIS INFORMATION WHE BERNESS OF THIS INFORMATION BY DIFFERENCES INFORMATION PROVIDED BY DIFFERENCES INFORMATIONS, DIFFERENCES 1. ALL DIAMINGS TO BE FRAD IN CON- UNLESS OTHERWISE NOTED. 1. ALL DIAMINGS TO BE FRAD IN CON- UNLESS OTHERWISE NOTED. 1. ALL DIAMINGS TO BE FRAD IN CON- UNLESS OTHERWISE NOTED. 1. ALL DIAMINGS TO BE FRAD IN CON- UNLESS OTHERWISE NOTED. 1. ALL DIAMINGS TO BE FRAD IN CON- UNLESS OTHERWISE NOTED. 1. ALL DIAMINGS TO BE FRAD IN CON- UNLESS OTHERWISE NOTED. 1. ALL DIAMINGS TO BE FRAD IN CON- UNLESS OTHERWISE NOTED. 1. ALL DIAMINGS TO BE FRAD IN CON- UNLESS OTHERWISE NOTED. 1. ALL DIAMINGS TO BE FRAD IN CON- UNLESS OTHERWISE NOTED. 1. ALL DIAMINGS TO BE FRAD IN CON- UNLESS OTHERWISE IN CONTRUCTORS. 1. ALL DIAMINGS TO BE FRAD IN CON- UNLESS OTHERWISE IN CONTRUCTORS. 1. ALL DIAMINGS TO BE FRAD IN CONTRUCTORS. 1. ALL DIAMINGS TO BE TO THE CONSULTATI. 1. ALL DIAMINGS TO BE FRAD IN CONTRUCTORS. 1. ALL DIAMINGS TO BE TO THE DISCUMPTION OF ALL UNCESS TO THE CONSULTATI. 1. ALL DIAMINGS TO BE TO THE DISCUMPTION OF ALL UNCESS TO THE DISCUMPTION OF ALL DIAMINGS TO BE TO THE DISCUMPTION OF ALL DIAMINGS TO BE TO THE DISCUMPTION OF ALL DISCUMPTION OF ALL DIAMINGS TO BE 1. ALL DIAMINGS TO BE TO THE DISCUMPTION OF ALL DIAMINGS TO BE TO THE DISCUMPTION OF ALL DISCUMPTION OF ALL DIAMINGS TO BE DISCUMPTION OF ALL DISCUMPTION OF ALL DIAMINGS TO BE DISCUMPTION OF ALL DISCUMPTION OF ALL DIAMINGS TO BE DIS	 10 Constant and the second s Second second seco
DESIGNED BY: DRUMIN BY: CHEDRED BY: REQUESTED BY: MSB SCALE: 1:250 SHEET NAME LOWER Floor Base Plan PROJECT TILE 851 City Hall North PROJECT NO. SHEET	THESE DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE CITY HAS TAKEN STEPS TO VERIFY THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION BUT SHALL NOT BE RESPONSIBLE FOR AND ERRORS OR DMMISSIONS THAT MAY BE INCORPORTED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS THAT WAS NOT ABLE TO BE VISUALLY CONFIRMED. GENERAL NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETRES 2. DRAWINGS ARE NOT TO BE SCALED. 3. ALL DRAWINGS TO BE READ IN CON- JUNCTION WITH THE SPECIFICATIONS UNLESS OTHERWISE NOTED. 4. VERIFY SITE CONDITIONS, DIMENSIONS AND LOCATION OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. 5. REPORT ALL DISCREPANCIES TO THE
SOLLE: 1:250 SHEET NAME LOWER Floor Base Plan PROJECT ITLE 851 City Hall North PROJECT NO. SHEET SHEET	REV ISSUED FOR DATE
	MSB SCALE: 1:250 DMTE: 22/11/2012 SHEET NAME Asbuilt LOWER Floor Base Plan PROJECT TITLE 851 City Hall North
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REV. NO.

	ty Hall North SAMPLE DATA SAMPLE DATA														
City	all North						SAM					I			
	Room		SAMPLE	Sample	Date	Asbestos	-	Tradename			Description of	Asbestos Content	Potential for		
Floo		Use	SAMPLE REP		DD/MM/YY	Туре	Asbestos		Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments
В	B01	Storage								Ź	-	No Accessible ACM			
В	B02	Ŭ										No Accessible ACM			
		Trades Office/Lunch													
В	B03	Room									- · · ·	No Accessible ACM			
						Nama		Disalisa Eittisa			Parkade				
в	B04	Parkade	Sample	B15-ASB.11	22 Jan 15	None Detected		Pipeline Fitting Compound			- Small Pipeline Fitting On DCW Line Near Basement	No Accessible ACM			
	D04	Faikaue	Sample	B13-A3B.11	22-Jan-1J	Delected		Compound			Parkade				
						None		Pipeline Fitting			- Small Pipeline Fitting On				
В	B04	Parkade	Sample	B15-ASB.12	22-Jan-15	Detected		Compound			DHW Line Near Basement	No Accessible ACM			
											Parkade				
						None		Pipeline Fitting			 Lineal Pipe Insulation On 				
В	B04	Parkade	Sample	B15-ASB.13	22-Jan-15	Detected		Compound			DHW Line Near Basement	No Accessible ACM			
											Parkade				
						None		Pipeline Fitting			- Medium Pipeline Fitting Adjacent Unit Heater(Centre of				
в	B04	Parkade	Sample	B15-ASB.14	22-Jan-15	Detected		Compound			Parkade)	No Accessible ACM			
	201		Campio								Parkade				
											- Medium Pipeline Fitting				
						None		Pipeline Fitting			Adjacent Unit Heater Adjacent				
В	B04	Parkade	Sample	B15-ASB.15	22-Jan-15	Detected		Compound			Garage Door	No Accessible ACM			
											Parkade				
в	B04	Parkade	Sample	B15-ASB.16	22 Jan 15	None Detected		Pipeline Fitting			- LPS Pipeline Fitting In South West Corner	No Accessible ACM			
D	D04	Parkaue	Sample	D 13-ASD. 10	22-Jan-15	Delected		Compound			Parkade	NO ACCESSIBLE ACIVI			
						None		Pipeline Fitting			- Pipeline Fitting In South West				
В	B04	Parkade	Sample	B15-ASB.17	22-Jan-15	Detected		Compound			Corner	No Accessible ACM			
											Parkade				
						None		Pipeline Fitting			- CHWR Pipeline Fitting In				
В	B04	Parkade	Sample	B15-ASB.18	22-Jan-15	Detected		Compound			South West Corner	No Accessible ACM			
						None		Pipeline Fitting			Parkade - CHWS Pipeline Fitting In				
в	B04	Parkade	Sample	B15-ASB.19	22- Jan-15	Detected		Compound			South West Corner	No Accessible ACM			
	004	Taikade	Gample	D13-A0D.13	22-5411-15	Delected		Compound			Basement Chiller Room				
											- Large Pipeline Fitting On				
						None		Pipeline Fitting			Yellow Steam Line Adjacent				
В	B05	Chiller Room	Sample	B15-ASB.1	16-Jan-15	Detected		Compound			Wet Wall	No Accessible ACM			
											Basement Chiller Room				
В	BOE	Chiller Room	Sampla	B15-ASB.2	16 Jon 15	None		Pipeline Fitting Compound			- Small Green WHWR Fitting	No Accessible ACM			
В	B05		Sample	D13-A3D.2	16-Jan-15	Detected		Compound			Adjacent South Entry Basement Chiller Room	NU ACCESSIBLE ACIVI			
						None		Pipeline Fitting			Green CHS Line Adjacent Fan				
В	B05	Chiller Room	Sample	B15-ASB.3	16-Jan-15	Detected		Compound			F-1	No Accessible ACM			
						None		Dinalina Fitting			- Medium Pipeline Fitting On				
R	B05	Chiller Room	Sample	B15-ASB /	16- Jan-15							No Accessible ACM			
B			Cample	010-700.4	10-341-13	Delected	1	Compound							
		Stairwell													
B	E-1	Elevator					1					No Accessible ACM			
B B B	B05 B06 BS2	Chiller Room Stairwell	Sample Sample	B15-ASB.3 B15-ASB.4		Detected					- Large Pipeline Fitting On Green CHS Line Adjacent Fan	No Accessible ACM No Accessible ACM No Accessible ACM			

	ty Hall North														
City I	all North											•			
			0.000 F						1		A 1.11				
Floor	Room Number	Use	SAMPLE SAMPLE REP	Sample ID	Date DD/MM/YY	Asbestos Type	% of	Tradename ACM Product	Condition	Driarity	Description of Sample Location	Asbestos Content In Area	Disturbance	Action	Comments
		036	SAWFLE REP	טו		туре	Aspestos	Acivi Floduct	Condition	Priority	Sample Location		Disturbance	Action	Comments
В	B07											No Accessible ACM			
	Doo	Main Electrical													
В	B08	Service										No Accessible ACM			
в	B09	Ramp Room Storage										No Accessible ACM			
B	B09A	Sillaye										No Accessible ACM			
B	B09A B09B											No Accessible ACM			
B	B10											No Accessible ACM			
B	BS1	Stairwell										No Accessible ACM			
B	B11	Otali Well										No Accessible ACM			
B	B12											No Accessible ACM			
B	B12	Ramp Up										No Accessible ACM			
	DIO	i tump op									Basement Corridor				
						None		Pipeline Fitting			- Medium Pipeline Fittings On				
В	B14	Corridor	Sample	B15-ASB.8	22-Jan-15			Compound				No Accessible ACM			
											Basement Corridor				
						None		Pipeline Fitting			- Small Pipeline Fitting On				
В	B14	Corridor	Sample	B15-ASB.9	22-Jan-15	Detected		Compound			DHW At Rear Of Elevator	No Accessible ACM			
											Basement Corridor				
						None		Pipeline Fitting			- Small Pipeline Fitting On				
В	B14	Corridor	Sample	B15-ASB.10	22-Jan-15	Detected		Compound				No Accessible ACM			
В	BS3	Stairwell										No Accessible ACM			
М	100A	Vestibule										No Accessible ACM			
М	100B											No Accessible ACM			
Μ	100C	Landing										No Accessible ACM			
М	S-3	Stairwell										No Accessible ACM			
Μ	101	Lobby										No Accessible ACM			
Μ	102	Information Desk										No Accessible ACM			
											Room #324				
				_				Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
Μ	103	Vestibule	Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3		Vinyl Asbestos Tile	Low	Manage	
M	104	Security Desk										No Accessible ACM			
М	105	Council Chambers										No Accessible ACM			
М	106											No Accessible ACM			
М	107											No Accessible ACM			
	400	Area Behind													
Μ	108	Chambers										No Accessible ACM	┨─────┤		
	100	Area Behind													
Μ	109	Chambers Area Rebind										No Accessible ACM	├ ──── ├		
N.4	110	Area Behind										No Accessible ACM			
M	110	Chambers Area Behind										INU ACCESSIBLE ACIM			
М	111	Chambers										No Accessible ACM			
IVI	111	Area Behind										IND ACCESSIBLE ACIVI	+		
М	112	Chambers										No Accessible ACM			
M	S-1	Stairwell	}									No Accessible ACM	<u> </u>		
M	113/1A											No Accessible ACM			
M	113/1A											No Accessible ACM			
M	113/1C								1			No Accessible ACM			
M	113/1D											No Accessible ACM			
M	113/1E		1									No Accessible ACM			
M	113/1F		ł						1			No Accessible ACM	1 1		
	. 10/11					1	1		1				1		

City	y Hall North SAMPLE DATA SAMPLE DATA														
Сітуг	all North						SVW								
	Deem		SAMPLE	Sample	Data	Asbestos		Tradename			Description of	Asbestos Content	Dotontial for		
Floor	Room Number	Use	SAMPLE REP		Date DD/MM/YY		% of Asbestos		Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments
M	113/1G	030				Type	ASDESIUS	Adminidude	Condition	Fliolity	Sumple Location	No Accessible ACM	Distuibance	Action	Comments
M					-										
	113/1H											No Accessible ACM			
M	113/2A				-										
M	113/2B				-							No Accessible ACM			
M	113/2C											No Accessible ACM			
M	113/2D				-							No Accessible ACM			
M	113/2E	Oallastiana										No Accessible ACM			
M	113/3A	Collections			-							No Accessible ACM			
M	113/3B	Collections										No Accessible ACM			
M	113/3C	Collections			-							No Accessible ACM			
M	113/3D	Collections										No Accessible ACM			
M	113/3E	Collections										No Accessible ACM			
M	113/3F	Collections										No Accessible ACM			
M	113/3G	Collections			┟───┤							No Accessible ACM	<u>↓</u>		
M	113/3H	Collections										No Accessible ACM			
M	113/4A	Office										No Accessible ACM			
M	113/4B	Office										No Accessible ACM			
M	113/4C	Office										No Accessible ACM			
М	113/4D	Office										No Accessible ACM			
M	113/4E	Office										No Accessible ACM			
М	113/4F	Office										No Accessible ACM			
М	113/4G	Office										No Accessible ACM			
М	113/4H	Office										No Accessible ACM			
М	113/4J	Corridor										No Accessible ACM			
М	113/5A	Office										No Accessible ACM			
М	113/5A	Office										No Accessible ACM			
М	113/5B	Office										No Accessible ACM			
М	113/5C	Office										No Accessible ACM			
М	113/5D	Office										No Accessible ACM			
М	113/5E	Corridor										No Accessible ACM			
М	113/5F	Office										No Accessible ACM			
М	113/5G	Office										No Accessible ACM			
М	113/6A											No Accessible ACM			
М	113/6B	Corridor										No Accessible ACM			
М	113/6C											No Accessible ACM	ļ		
М	113/6D	Office										No Accessible ACM	↓		
М	113/6E											No Accessible ACM			
М	113/7A	Office										No Accessible ACM			
М	113/7B	Office										No Accessible ACM			
M	113/7C	Office										No Accessible ACM			
М	113/7D	Office										No Accessible ACM			
М	113/7E	Office										No Accessible ACM			
М	113/7F	Office			ļ							No Accessible ACM			
М	113/7G	Office										No Accessible ACM			
М	113/7H	Office										No Accessible ACM			
М	113/71	Office										No Accessible ACM			
М	113/7J	Office										No Accessible ACM			
М	113/8A	Office										No Accessible ACM			
М	113/8B	Office										No Accessible ACM			
Μ	113/8C	Office										No Accessible ACM			
Μ	113/8D	Office										No Accessible ACM			
Μ	113/9A	Office										No Accessible ACM	1 T		

City	y Hall North SAMPLE DATA SAMPLE DATA													
	all North						CAM				-			
	Room		SAMPLE	Sample	Date	Asbestos		Tradename		Description of	Asbestos Content	Botontial for		
Floor	Number	Use	SAMPLE REP		DD/MM/YY	Type	Asbestos	ACM Product	Condition Priority	Sample Location	In Area	Disturbance	Action	Comments
M	113/9B	Office		U		Type	ASDESIUS	Adminidude	Condition Friding		No Accessible ACM	Distuibance	Action	ooninients
M	113/9B	Office									No Accessible ACM			
	113/9C	Office									No Accessible ACM			
M	113/9D	Office									No Accessible ACM			
M	113/9E	Office									No Accessible ACM			
M	114A	Office									No Accessible ACM			
M	114A 114B										No Accessible ACM			
M	1146	Office									No Accessible ACM			
M	115	Office									No Accessible ACM			
M	117	Office									No Accessible ACM			
M	117	Office									No Accessible ACM			
M	110	Office									No Accessible ACM			
M	120	Office									No Accessible ACM			
M	120	Office									No Accessible ACM			
M	121	Office									No Accessible ACM			
M	122	Office									No Accessible ACM			
M	123	Office									No Accessible ACM			
M	124	Office									No Accessible ACM			
M	125	Office									No Accessible ACM			
M	120 127/1A	Office									No Accessible ACM			
M	127/1A										No Accessible ACM			
M	127/1C										No Accessible ACM			
M	127/1D	Corridor									No Accessible ACM			
M	127/1D 127/1E	Comuoi									No Accessible ACM			
M	127/1E										No Accessible ACM			
M	127/2A										No Accessible ACM			
M	127/2B										No Accessible ACM			
M	127/2D										No Accessible ACM			
M	127/20										No Accessible ACM			
M	127/2E										No Accessible ACM			
M	127/2E	Office									No Accessible ACM			
M	127/2G	Office									No Accessible ACM			
M	127/3A	Office									No Accessible ACM			
M	127/3B	Office									No Accessible ACM			
M	127/4A	Office									No Accessible ACM			
M	127/4B	Office									No Accessible ACM			
M	127/4C	Office					1				No Accessible ACM	1		
M	128/1A	Office									No Accessible ACM	<u>† </u>		
M	128/1B						1				No Accessible ACM	† †		
M	128/1C	Office					1				No Accessible ACM	† †		
M	128/1D	Office					1				No Accessible ACM	<u> </u>		
M	128/1E	Corridor					1				No Accessible ACM	† †		
M	128/2A										No Accessible ACM			
Μ	128/2B	Office									No Accessible ACM	1 1		
М	128/2C	Office									No Accessible ACM	1 1		
Μ	128/2D	Office									No Accessible ACM	1 1		
М	128/2E	Office									No Accessible ACM			
М	129	Office									No Accessible ACM	1 1		
М	130								1 1		No Accessible ACM	1 1		
М	131	Bathroom									No Accessible ACM	1 1		
М	132	Bathroom									No Accessible ACM			
М	133	Bathroom									No Accessible ACM	1 1		

Sample Res Sample Res Date Date of Control (Control (Co		ty Hall North														
Process Process <t< th=""><th>City I</th><th>all North</th><th></th><th></th><th></th><th></th><th></th><th>CAN</th><th></th><th></th><th></th><th></th><th>1</th><th></th><th></th><th></th></t<>	City I	all North						CAN					1			
Head Use Statum Use Statum Non-section Mathematic Non-section Action Contingence 0 10.0 Contingence		Poom			Sample	Date	Achastas					Description of	Achostos Content	Potential for		
M ON Desired Desired <thdesired< th=""> <thdesired< th="" th<=""><th>Floor</th><th></th><th>Use</th><th></th><th></th><th></th><th></th><th></th><th></th><th>Condition</th><th>Priority</th><th>Sample Location</th><th></th><th></th><th>Action</th><th>Comments</th></thdesired<></thdesired<>	Floor		Use							Condition	Priority	Sample Location			Action	Comments
M 153 Carnian Image Ima						22,1111,11	.,,,,,	7.0500.00		Contaition				Diotarbarroo	/ lotion	
IM Constrained Vestinging Vesting Vestinging Vestinging																
M F-1 Elevator Sample Rep p15-ASS 21 22-Jan-15 Citypoint 15% Tie Court No	-															
Image Provide			Elevator													
M 138 Sample Rep 915-A88.21 22.un-15 Chrone NUM Core Manage M 199																
Image: bit with the second of the second of the second of the second with the second of the second of the second of the second of the second with the second of the secon																
Image Sample Roy Stable Roy Stable Roy Stable Roy Ming Accessible ACM Low Manage M 100 Servell Image Image Image Image Image Image Image Image M 100 Servell Image	М	138		Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3		Vinyl Asbestos Tile	Low	Manage	
M 199																
M 140 m<		400		O	D45 40D 04	00 1 45	Ob market in	4 50/		0	0		Viewel Alaba and a Tilla	1		
M 8-2 Stainwell M Inc. M Inc. M Inc. M M Inc. M <td></td> <td></td> <td></td> <td>Sample Rep</td> <td>B15-ASB.21</td> <td>22-Jan-15</td> <td>Chrysotile</td> <td>1-5%</td> <td>I IIE</td> <td>Good</td> <td>3</td> <td>Brown & White Spec Pattern</td> <td></td> <td>Low</td> <td>Manage</td> <td></td>				Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	I IIE	Good	3	Brown & White Spec Pattern		Low	Manage	
M 141			Stainwoll													
M 142 Storage M			Stall Well													
M 143 Corridor Corrido			Storage													
M 144 Corridor Image: Cor							1			1	1	<u></u>				
M 145 Corridor M																
M 146 Corridor M M No No Accessible ACM 2 20014 Hellway No No Accessible ACM No Accessible ACM No 2 2002A No No Accessible ACM No Accessible ACM No 2 2002A No Carridor No Accessible ACM No Accessible ACM No 2 2002A Carridor No Accessible ACM No Accessible ACM No 2 2004 Vesitbule Sample B15-ASB.6 21-Jan-15 Detected Insulation Washroom No Accessible ACM Insulation 2 2016 Insulation Insulation Washroom No Accessible ACM Insulation 2 2020 Office Insulation Insulation No Accessible ACM Insulation 2 2035 Carridor Insulation Insulation No Accessible ACM Insulatio																
2 2001 Hallway C C No No <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>																
2 20072			2nd Floor North													
2 2002	2	200/1	Hallway										No Accessible ACM			
2 2003 Corndor Image: Construction of the construle of the construction of the construction of the construction	2															
2 2004 Vestibule Sample B15-ASB.6 21-Jan-15 Detected Insulation None Insulation None Insulation 2 2011 2018 2018 2019 None Insulation No No Accessible ACM 2010 2 2020 Corridor 2010 No 2010 No		200/2A														
2 2004 Vestibule Sample B15-ASB.6 21-Jan-15 Detected Insulation Washroom No Accessible ACM Insulation 2 2018	2	200/3	Corridor										No Accessible ACM			
2 2004 Vestibule Sample B15-ASB.6 21-Jan-15 Detected Insulation Value No Accessible ACM Accessible ACM Accessible ACM 2 201 - - - - No Accessible ACM - - 2 201 - - - - No Accessible ACM - - 2 202 Corridor - - - No Accessible ACM - - 2 203 Office - - - No Accessible ACM - - 2 203 - - - - - No Accessible ACM - - 2 205 Bathroom - - - No Accessible ACM - - - 2 206 - - - - No Accessible ACM - - - 2 206 - - - - No Accessible ACM <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>																
2 2004 Vestbule Sample B15-ASB.6 21-Jan-15 Detected Insulation Washroom No Accessible ACM Image: Construction of the construc																
2 201 m m m m m No Accessible ACM modecossible ACM 2 202 Corridor m m modecossible ACM modecossible ACM modecossible ACM 2 2028 Office m modecossible ACM modecossible ACM modecossible ACM 2 203 modecossible ACM modecossible ACM modecossible ACM modecossible ACM 2 203 modecossible ACM modecossible ACM modecossible ACM modecossible ACM 2 204 modecossible ACM modecossible ACM modecossible ACM modecossible ACM 2 205 Bathroom modecossible ACM modecossible ACM modecossible ACM 2 206 modecossible ACM modecossible ACM modecossible ACM modecossible ACM 2 208 modecossible ACM modecossible ACM modecossible ACM modecossible ACM 2 209/16 modecossible ACM modecossible ACM modecossible ACM modecossible ACM 2 209/16 modecos modecossible ACM modecossible ACM modecoss		000/4			D45 400 0											
2 2018	2		Vestibule	Sample	B15-ASB.6	21-Jan-15	Detected	-	Insulation			vvashroom				
2 202 Corridor Corridor No Accessible ACM No Accessible ACM 2 203 Corridor No Accessible ACM No Accessible ACM Corridor 2 204 Corridor No Accessible ACM Corridor No Accessible ACM Corridor 2 204 Corridor Corridor No Accessible ACM Corridor Corridor 2 205 Bathroom Corridor Corridor No Accessible ACM Corridor 2 206 Corridor Corridor Corridor No Accessible ACM Corridor 2 206 Corridor Corridor Corridor No Accessible ACM Corridor 2 208 Corridor Corridor Fireproofing Corridor No Accessible ACM Corridor 2 209/1C Corridor Corridor Fireproofing No Accessible ACM Corridor Corridor 2 209/1C Corridor Corridor Corridor No Accessible ACM Corridor Corridor <td></td>																
2 2028 Office Image: constraint of the second			Corridor													
2 203 m m m m m No Accessible ACM mo 2 204 m m m mo mo mo mo 2 205 Bathroom mo mo mo mo mo mo mo mo 2 206 mo m																
2 204 m			Onice													
2 205 Bathroom Image: Constraint of the second secon																
2 206 Image: constraint of the second s	2		Bathroom		1											
2 207 No	2							1			l					
2 208 v v v v v v v None None Area #209 No Accessible ACM v		207											No Accessible ACM			
2 209/1A Sample B15-ASB.5 21-Jan-15 Detected Fireproofing - Spray On Fire-Proofing No Accessible ACM Image: Constraint of the constrai								1			1					
2 209/1B Image: constraint of the constra																
2 209/1C Image: Constraint of the constra				Sample	B15-ASB.5	21-Jan-15	Detected		Fireproofing			 Spray On Fire-Proofing 				
2 209/1D Image: Constraint of the constra																
2 209/1E Image: Constraint of the constra																
2 210 Office Sample Rep B15-ASB.21 22-Jan-15 Chrysotile 1-5% Tile Good 3 Room #324 -1'x 1' Floor Tile Brown With Brown & White Spec Pattern Vinyl Asbestos Tile Low Manage 2 211 Office 6 6 6 6 6 0 No Accessible ACM 6 6 2 212 6 6 6 6 6 6 No Accessible ACM 6 6 2 213 6 6 6 6 6 6 6 6 6 8 6 8 6							L			L						
2 210 Office Sample Rep B15-ASB.21 22-Jan-15 Chrysotile 1-5% Tile Good 3 -1'x 1' Floor Tile Brown With Brown & White Spec Pattern Vinyl Asbestos Tile Low Manage 2 211 Office I I I I I No Accessible ACM Image Image 2 212 Image Image Image Image Image Image 2 213 Image Image Image Image Image Image 2 214 Image Image Image Image Image Image 2 213 Image Image Image Image Image Image 2 214 Image Image Image Image Image Image Image 2 213 Image Image Image Image Image Image Image 2 214 Image Image Image Image Image Image Image Image 2 213 </td <td>2</td> <td>209/1E</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>P #2004</td> <td>No Accessible ACM</td> <td> </td> <td></td> <td></td>	2	209/1E										P #2004	No Accessible ACM			
2210OfficeSample RepB15-ASB.2122-Jan-15Chrysotile1-5%TileGood3Brown & White Spec PatternVinyl Asbestos TileLowManage2211OfficeNo Accessible ACM2212No Accessible ACM2213No Accessible ACM-2214No Accessible ACM-					1				View d Anton - to							
2 211 Office Office Image: Constraint of the second	2	240	0#****	Comple Der		00 lan 45	Christelle	1 50/		Coord	2		Vinul Appentes Til-	Low	Monara	
2 212 No Accessible ACM 2 213 No Accessible ACM No Accessible ACM 2 214 No Accessible ACM No Accessible ACM	2			Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	1 IIE	6000	3	brown & white Spec Pattern		LOW	wanage	
2 213 No Accessible ACM No Accessible ACM 2 214 No Accessible ACM No Accessible ACM	2		Unice		-	-	+	+		+	<u> </u>		No Accessible ACM			
2 214 No Accessible ACM	2				+								No Accessible ACM			
2 215 Storage No Accessible ACM 2 216 Bathroom	2			1												
2 216 Bathroom No Accessible ACM	2		Storage	1	1		1			1	1		No Accessible ACM			
	2	216	Bathroom										No Accessible ACM			

Oite Hall Na sth	y Hall North SAMPLE DATA SAMPLE DATA													
City Hall North						CAN								
Room		SAMPLE	Sample	Date	Asbestos		Tradename			Description of	Asbestos Content	Botontial for		
Floor Number	Use	SAMPLE REP		DD/MM/YY		Asbestos		Condition	Priorit	V Sample Location	In Area	Disturbance	Action	Comments
	Bathroom		10	DD/WWW/TT	1900	Aspesios		contaition	1 Horn		No Accessible ACM	Distuibance	Action	Commonito
2 217 2 S-1	Stairwell										No Accessible ACM			
2 218/1A	Office										No Accessible ACM			
2 218/1A 2 218/1B	Office										No Accessible ACM			
2 218/1B	Office										No Accessible ACM			
2 219/1A	Onice										No Accessible ACM			
2 219/1B											No Accessible ACM			
2 219/1C											No Accessible ACM			
2 220	Admin Hallway										No Accessible ACM			
2 221	/ tarrier raintay										No Accessible ACM			
2 222											No Accessible ACM			
2 223											No Accessible ACM			
2 224/1A											No Accessible ACM			
2 224/1B											No Accessible ACM			
2 225											No Accessible ACM			
2 225/1A											No Accessible ACM			
2 225/1B											No Accessible ACM			
2 225/1C											No Accessible ACM			
2 225/1D											No Accessible ACM			
2 225/2A											No Accessible ACM			
2 225/2B											No Accessible ACM			
2 225/2C											No Accessible ACM			
2 225/2D											No Accessible ACM			
2 225/E											No Accessible ACM			
2 226	Corridor										No Accessible ACM			
2 227											No Accessible ACM			
2 228	Flex Area									-	No Accessible ACM			
										Room #324				
							Vinyl Asbestos	<u> </u>		- 1' x 1' Floor Tile Brown With				
2 229A		Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
										Room #324				
0 0000		Occurrie Dec		00 100 15	Oh man a till a	4 50/	Vinyl Asbestos	0	0	- 1' x 1' Floor Tile Brown With	Viend Askestes Tile	1	M	
2 229B	Flex Area	Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile No Accessible ACM	Low	Manage	
2 230	Flex Area										NO ACCESSIBLE ACIVI			
2 224	Committee Room 'A'										No Accessible ACM			
2 231 2 232A	Communications										No Accessible ACM	<u> </u>		
2 232A 2 232B	Communications									1	No Accessible ACM	+ +		
2 232B 2 232C	Communications						+			1	No Accessible ACM	+ +		
2 2320	Johnnullications						+			1	No Accessible ACM	+		
2 200														
2 235	Committee Room 'B'										No Accessible ACM			
2 235/1A	Closet			1							No Accessible ACM	<u> </u>		
2 236/1A	0.0001			1						1	No Accessible ACM	<u> </u>		
2 236/1C											No Accessible ACM			
2 237											No Accessible ACM			
2 238/1A							1				No Accessible ACM	† †		
2 238/1B											No Accessible ACM	† †		
2 238/1C										1	No Accessible ACM	† †		
2 238/1D											No Accessible ACM			
2 238/1E											No Accessible ACM			
2 238/1F										1	No Accessible ACM	† †		
200/11	1	I		<u> </u>	I	I	1	1				1		

City Hall North SAMPLE DATA															
City	Iall North						SAM								
	Beem		SAMPLE	Sample	Data	Asbestos	SAM % of	Tradename			Deceription of	Asbestos Content	Detential for		
Floor	Room Number	Use	SAMPLE REP		Date DD/MM/YY	Type		ACM Product	Condition	Priority	Description of Sample Location	In Area	Disturbance	Action	Comments
2	239/1A	000			DD/IMIN/ 11	1,960	ASDESIUS	710111100000	contaition	Thomy	Campio Location	No Accessible ACM	Disturbance	Action	Commonto
2	239/1A 239/1B											No Accessible ACM			
2	239/1B 239/2A											No Accessible ACM			
2	239/2B											No Accessible ACM			
2	239/2C	Office										No Accessible ACM			
2	239/2D	Office										No Accessible ACM			
2	240	Office										No Accessible ACM			
2	241	Office										No Accessible ACM			
2	242	Office										No Accessible ACM			
2	243	Office										No Accessible ACM			
2	244	Office										No Accessible ACM			
2	245	Office										No Accessible ACM			
2	246	Office										No Accessible ACM			
2	247	Office										No Accessible ACM			
2	248	Office										No Accessible ACM			
2	249	Office										No Accessible ACM			
2	250/1A	Library										No Accessible ACM			
2	250/1B	,										No Accessible ACM			
2	250/1C											No Accessible ACM			
2	251	Closet										No Accessible ACM			
											Room #324				
								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
2	252	Storage	Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
2	253	Bathroom				-						No Accessible ACM		ŭ	
2	254	Bathroom										No Accessible ACM			
2	255	Bathroom										No Accessible ACM			
2	256	Bathroom										No Accessible ACM			
2	257	Storage										No Accessible ACM			
2	258/1A	Office										No Accessible ACM			
2	258/1B	Office										No Accessible ACM			
2	258/1C	Office										No Accessible ACM			
2	258/1D	Office										No Accessible ACM			
2	258/2A	Office										No Accessible ACM			
2	258/2B	Office										No Accessible ACM			
2	258/2C	Office										No Accessible ACM			
2	259	Office										No Accessible ACM			
2	260	Office										No Accessible ACM			
2	261	Office										No Accessible ACM			
2	262	Office										No Accessible ACM			
2	263	Office										No Accessible ACM			
											Room #324				
								Vinyl Asbestos		_	- 1' x 1' Floor Tile Brown With				
2	265	Office	Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good			Vinyl Asbestos Tile	Low	Manage	
											Room #324				
		<i></i>						Vinyl Asbestos			- 1' x 1' Floor Tile Brown With		<u> </u>		
2	266	Office	Sample Rep	в15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3		Vinyl Asbestos Tile	Low	Manage	
2	267	Office										No Accessible ACM			
2	S-2	Stairwell										No Accessible ACM			
2	268											No Accessible ACM			
2	E-1	Elevator										No Accessible ACM			
2	270	Office										No Accessible ACM			
2	271	Office										No Accessible ACM			

City Hall North SAMPLE DATA SAMPLE Room Sample Date Asbestos % of Tradename Description of Asbestos Content | Potential for Asbestos ACM Product Condition Priority Sample Location Use SAMPLE REP DD/MM/YY Type In Area Disturbance Comments Floor Number ID Action 3rd Floor North No Accessible ACM 3 300/1A Hallway 3 300/1B Corridor No Accessible ACM Infrastructure Services None - Duct Insulation On Large Office Silver Duct Above Ceiling Tile 301/1A B15-ASB.7 Detected No Accessible ACM 3 Sample 21-Jan-15 Duct Insulation 3 301/1B Office No Accessible ACM 3 301/1C No Accessible ACM Office 3 301/1D Office No Accessible ACM No Accessible ACM 301/1E 3 Office No Accessible ACM 3 301/1F Corridor No Accessible ACM 3 Office 301/2A 3 301/2B Office No Accessible ACM 301/2C Office No Accessible ACM 3 No Accessible ACM 3 301/2D Office 3 No Accessible ACM 301/2E Office 301/2F Office No Accessible ACM 3 3 301/2G Office No Accessible ACM 3 301/2H Office No Accessible ACM 3 301/3A Office No Accessible ACM 301/3B Office No Accessible ACM 3 3 301/3C Corridor No Accessible ACM 3 Office No Accessible ACM 301/3D 3 301/3E Corridor No Accessible ACM No Accessible ACM 3 301/4A Office 301/4B No Accessible ACM 3 Corridor Office No Accessible ACM 3 301/4C 3 301/4D Office No Accessible ACM 3 301/4E No Accessible ACM No Accessible ACM 3 301/4F 3 Office No Accessible ACM 301/4G No Accessible ACM 3 301/5A Office 3 301/5B Office No Accessible ACM No Accessible ACM 3 301/5C Office 3 301/5D Office No Accessible ACM 301/5E No Accessible ACM 3 Office No Accessible ACM 3 301/5F 3 301/5G Office No Accessible ACM 3 301/5H Office No Accessible ACM 301/6A No Accessible ACM 3 Office 301/6B Office No Accessible ACM 3 Office No Accessible ACM 3 301/6C 301/6D Office No Accessible ACM 3 3 301/6E Office No Accessible ACM Office No Accessible ACM 3 301/6F 3 301/6G Office No Accessible ACM No Accessible ACM 3 301/6H Office 3 301/6J Corridor No Accessible ACM No Accessible ACM 3 301/7A Office 3 301/7B Office No Accessible ACM 3 301/7C Office No Accessible ACM 3 301/7D Office No Accessible ACM

Bersch Associates Ltd.

City	Hall North								Bersch As	ssociates Ltd.				
Cityr			1				SVW	PLE DATA						
	Room		SAMPLE	Sample	Date	Asbestos		Tradename		Description of	Asbestos Content	Detential for		
Floor	Number	Use	SAMPLE REP		DD/MM/YY	Type	Asbestos	ACM Product	Condition Priority	Sample Location	In Area	Disturbance	Action	Comments
-	301/8A	Office	SAMPLE REP			Type	ASDESIUS	Adminidude	Condition Priority		No Accessible ACM	Distuibance	Action	Comments
3	301/8A 301/8B	Office									No Accessible ACM			
	301/8B 301/8C	Office									No Accessible ACM			
3	301/8C 301/9A	Office									No Accessible ACM			
	301/9A 301/9B	Office									No Accessible ACM			
3		Office									No Accessible ACM			
3	301/9C 301/9D	Corridor									No Accessible ACM			
3	301/9D 301/9E	Office									No Accessible ACM			
		Office									No Accessible ACM			
3	302/1A 302/1B	Office									No Accessible ACM			
		Office												
3	302/1C	Office									No Accessible ACM			
3	302/1D													
3	302/1E	Office Office									No Accessible ACM No Accessible ACM	<u> </u>		
3	302/1F													
3	302/1G	Office Office									No Accessible ACM			
3	302/1H	Office									No Accessible ACM			
3	302/2A	Office												
3	302/2B										No Accessible ACM			
3	302/2C	Office									No Accessible ACM			
3	302/2D	Office									No Accessible ACM			
3	302/2E	Corridor									No Accessible ACM			
3	302/2F	Office									No Accessible ACM			
3	302/2G	Office									No Accessible ACM			
3	302/4A	Office									No Accessible ACM			
3	302/4B	Office									No Accessible ACM			
3	302/4C	Office									No Accessible ACM			
3	302/5A	Office									No Accessible ACM			
3	302/5B	Office									No Accessible ACM			
3	302/5C	Office									No Accessible ACM			
3	302/5D	Office Office									No Accessible ACM			
3	302/5E										No Accessible ACM			
3	302/5G	Office									No Accessible ACM			
3	302/5H	Corridor									No Accessible ACM			
3	303										No Accessible ACM			
3	304	Stainwall									No Accessible ACM	+		
3	S-1	Stairwell									No Accessible ACM	<u> </u>		
3	305	Office Office							├ ───┤		No Accessible ACM			
3	306	Office									No Accessible ACM	<u> </u>		
3	307	Office							├ ───┤		No Accessible ACM	+		
3	306								├ ───┤					
3	308	Office							├ ───┤		No Accessible ACM	+		
3	309	Office							├ ───┤		No Accessible ACM			
3	310	Office									No Accessible ACM	<u> </u>		
3	311	Office							├ ───┤		No Accessible ACM			
3	312	Office Office							<u>├</u> ────		No Accessible ACM			
3	313								├ ───┤					
3	314	Office							├ ───┤		No Accessible ACM			
3	315	Bathroom							├ ───┤		No Accessible ACM			
3	316	Bathroom										<u> </u>		
3	317	Bathroom			+				├ ───		No Accessible ACM	<u> </u>		
3	318	Bathroom									No Accessible ACM	<u>↓</u>		
3	319/1A				1				1 1 1		No Accessible ACM			

										Bersch A	Associates Ltd.				
City H	all North														
							SAN	IPLE DATA							
	Room		SAMPLE	Sample	Date	Asbestos		Tradename			Description of	Asbestos Content	Potential for		
Floor	Number	Use	SAMPLE REP	ID	DD/MM/YY	Туре	Asbestos	ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments
3	319/1B											No Accessible ACM			
3	319/1C											No Accessible ACM			
3	320											No Accessible ACM			
3	321											No Accessible ACM			
								Vinyl Asbestos			Room #324 - 1' x 1' Floor Tile Brown With				
3	323		Sample Rep	D15 ASD 21	22 Jan 15	Chrycotilo	1-5%	Tile	Good	3		Vinyl Asbestos Tile	Low	Manage	
3	323		Sample Rep	B10-A3B.21	22-Jan-15	ChirySoulie	1-576	TILE	Guuu	3	Room #324	VITIYI ASDESIUS THE	LOW	Manage	
						None		Fire-Stop			- Fire Stop Material At Floor				
3	324		Sample	B15-ASB.20	22-Jan-15	Detected		Material			Penetrations	No Accessible ACM			
											Room #324				
								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
3	324		Sample	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
3	325											No Accessible ACM			
3	S-2	Stairwell										No Accessible ACM			
3	326											No Accessible ACM			
3	E-1	Elevator										No Accessible ACM			
3	327											No Accessible ACM			
3	328											No Accessible ACM			
3	329	Storage										No Accessible ACM			
3	330											No Accessible ACM			

City of Saskatoon – City Hall Parkade Electrical, Parkade, Boiler Room Electrical, & B038 Fan Room <u>Pre-Renovation/Demolition Assessment</u>

March 24, 2020

Client: City of Saskatoon 3rd Avenue North Saskatoon, SK S7K 0K1

Attention: Blaine Knoblauch

File Number: B67PDC24J

Subject: Pre-Renovation/Demolition Assessment – City Hall

Wes Berschiminsky of Bersch Consulting Ltd. conducted a site inspection on March 13, 2020 to identify Asbestos Containing Materials (ACM) affected by renovation/demolition activity within various areas of City Hall. Previous sampling within the areas affected were reviewed to determine suspect materials requiring sampling. Areas inspected included the Parkade Electrical Room, Parkade, Boiler Room Electrical, and B038 Fan Room. The purpose of the visit was to investigate and collect bulk samples to determine the presence/absence of asbestos. In total, Ten (10) bulk samples were collected and analyzed for the identification of asbestos. Asbestos <u>was</u> detected within two of the samples collected in the form of wall parging located on the east wall adjacent the doorway of the Boiler Room Electrical Room and the black rigid insulation located within the F17 Coil Room.

The results for the bulk samples collected were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume. Please reference to **Appendix I** for the **Bulk Sample Analysis Results**.

This test report relates only to the materials collected for examination and any use or extension of the information by the client of these results is the responsibility of the client.

Site Observations and Information

The building property located at 222 - 3rd Avenue North, Saskatoon, Saskatchewan was inspected with the intent of identifying all asbestos-containing materials (ACMs) within the areas scheduled for renovation/demolition activity. The following information pertains to inspection conducted and the samples collected for analysis for the detection of asbestos.

 a) Samples were collected of suspect materials such as pipe fitting mud compounds, insulation materials, concrete walls, plaster/parging wall finishes, and cinderblock walls.

- b) The gray wall finish on the east wall of the Boiler Room Electrical Room was identified as containing 2% Chrysotile Asbestos. This material is classified as a nonfriable asbestos material and may be removed as a Low Risk Asbestos Process using manual removal methods. If no interface is required with this material to accommodate the building improvements, it may remain in place until future renovation/demolition activity warrants prior removal. If coring through wall is required for conduit installation, procedures must be implemented that minimize any potential for airborne fibre release.
- c) The rigid insulation material within the air plenums was identified as containing 8% Chrysotile Asbestos in the black tar coating. The insulation itself is a fibre-glass composition. The black tar coating is also a non-friable material and poses no health-related concern in its present condition and location. The Chrysotile fibres are imbedded in a tar mixture that would require elimination of the tar for the fibres to become airborne. If removal of the rigid insulation is not necessary to accommodate the building improvements, it may remain in place until renovation/demolition activity warrants prior removal.
- d) Any removal of the rigid insulation with black tar coating will be completed as a Low Risk Asbestos Process. This will entail the isolation of any penetrations into the plenum to prevent any airflow through the work area. Isolations will be completed with polyweave 6 mill sheeting and sealed with duct tape to ensure of an airtight seal. Any black tar coated insulation removed will be disposed of in 6 mil asbestos disposal bags and transported to an approved landfill. Workers involved in the removal activity will be equipped with P100 respirators and wear disposable coveralls. Upon completion of the removal activity all dust/debris from within the work area will be removed using HEPA vacuums. For any areas where the insulation requires removal Bersch Consulting Ltd. will complete inspection and air monitoring prior to deem the area suitable for access by other trades involved in the project and verify that all required work has been completed in accordance with all regulating authorities.

Please reference attached *Appendix I Bulk Sample Analysis Results* and *Appendix II* for the *Site Photos* of building materials positively identified as asbestos containing.

If any questions arise regarding the attached information, please contact our office at (306) 978-6665.

Sincerely,

ORiz

Wes Berschiminsky, EP Bersch Consulting Ltd. B67PDC24J – CityHall

2

Appendix I

Bulk Sample Analysis Results

3

Bulk Sample Analysis Report

March 24, 2020

Project Number: B67.19

Client: City of Saskatoon

Contact: Blaine Knoblauch

Location: City Hall – S67BAC24J

Sample Number	Sample Date	Sample Material	Sample Location and Information	Asbestos	%	Analyst
1	2020/03/13	Grey Skim Coat	Electrical Room adj. Boiler Room – East Wall adj. Entrance	Chrysotile	2	WB/EMSL
2	2020/03/13	Wall Composition	Electrical Room adj. Boiler Room – North Wall	No Asbestos Detected		WB/EMSL
3	2020/03/13	Pipe Fitting Mud Compound	F17 Fan Room	No Asbestos Detected		WB/EMSL
4	2020/03/13	Pipe Fitting Mud Compound	F17 Coil Room	No Asbestos Detected		WB/EMSL
5	2020/03/13	Black Tar Coating on Rigid Fibre-glass	F17 Coil Room – North Wall	Chrysotile	8%	WB/EMSL
6	2020/03/13	Concrete Wall Composition	Parkade Wall adj to Maintenance Storage	No Asbestos Detected		WB/EMSL

Sample Number	Sample Date	Sample Material	Sample Location and Information	Asbestos	%	Analyst
7	2020/03/13	Concrete Wall Composition	Parkade South Wall Adjacent Conduit	No Asbestos Detected		WB/EMSL
8	2012003/13	Cinderblock Wall Composition	Electrical Room Adj. to Parkade South Block Wall	No Asbestos Detected		WB/EMSL

Appendix II

Site Photos

B67PDC24J - 001

Sample Number 1

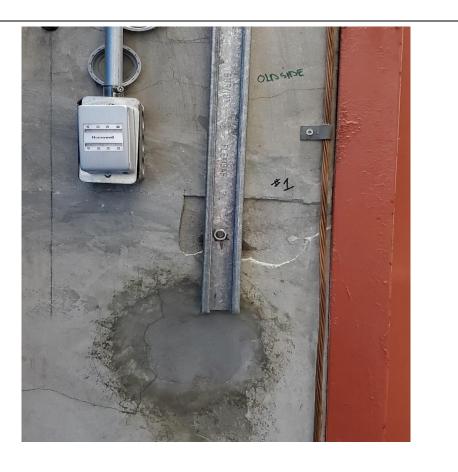
Description

Grey Skim Coat in Electrical Room adj. Boiler Room – East Wall adj. Entrance

Photo ID B67PDC24J - 002

Sample Number 5

Description Black Tar Coating on Rigid Fibre-glass in F17 Coil Room – North Wall





July 24, 2019

The City of Saskatoon 222 3rd Avenue North Saskatoon, Saskatchewan S7K 0J5

ATTENTION: Cris Figueroa

SUBJECT: Bulk Sample Analysis Report – City Hall North Washrooms

Please find attached the laboratory results for the bulk samples collected on July 12, 2019 from City Hall North located at 222 3rd Avenue North, Saskatoon, Saskatchewan. The samples were analyzed for the identification of asbestos. Asbestos <u>was not</u> detected within the samples.

The results for the samples submitted were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

This test report relates only to the materials sent for examination and any use or extension of the information by the client of these results is the responsibility of the client.

If any questions arise on the results of the attached information, please contact our office. Thank you for this opportunity of service.

Sincerely,

Tyneal Knackstedt Bersch Consulting Ltd. B67BLG12I – City Hall North Washrooms

Bulk Sample Analysis Report

July 24, 2019

Project Number: B67.19

Client: City of Saskatoon

Contact: Cris Figueroa

Location: City Hall North

File Number: B67BAG12I

Sample Number	Sample Date	Sample Material	Sample Location and Information	Asbestos	%	Analyst
1	2019/07/12	Ceramic Tile Grout	2 nd Floor Women's Washroom	No Asbestos Detected		EMSL/WB
2	2019/07/12	Drywall Mud Compound	2 nd Floor Women's Washroom Divider Wall	No Asbestos Detected		EMSL/WB
3	2019/07/12	Ceramic Tile Adhesive	3 rd Floor Women's Washroom Divider Wall	No Asbestos Detected		EMSL/WB
4	2019/07/12	Drywall Mud Compound	3 rd Floor Women's Washroom Ceiling – Composite	No Asbestos Detected		EMSL/WB
5	2019/07/12	Drywall Mud Compound	3 rd Floor Men's Washroom Wall	No Asbestos Detected		EMSL/WB

Sample Number	Sample Date	Sample Material	Sample Location and Information	Asbestos	%	Analyst
6	2019/07/12	Drywall Mud Compound	3 rd Floor Men's Washroom Ceiling - Composite	No Asbestos Detected		EMSL/WB

BERSCH & ASSOCIATES LTD.

May 27, 2015

City Of Saskatoon Interior Design Consultant, Facilities & Fleet Management 3130 Laurier Drive Saskatoon, Sk. S7L 5J7

ATTENTION: Kimberly Rudd

SUBJECT: Bulk Sample Analysis Report

Please find attached the laboratory results for the bulk analysis of the sample collected within City Hall North Room 320 Office Renovation Area. The sample was analyzed in our laboratory for the identification of asbestos. Asbestos was detected.

The area where the floor covering is currently damaged will require cleanup with the use of a vacuum equipped with a HEPA filtration system. The option to cover overtop the existing flooring if the glue/tar requires removal, depending on how it come off, will at minimum require low risk removal procedures. The other option is to remove the existing floor covering utilizing the high risk asbestos process guidelines.

The result for the bulk sample was obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

This test report relates only to the materials sent for examination and any use or extension of the information by the client of these results is the responsibility of the client. If any questions arise on the results of the attached information please contact me at 306 222 7477. Thank you for this opportunity of service!

Sincerely,

Brad Berschiminsky Bersch & Associates Ltd. File: B67BLE22

BERSCH & ASSOCIATES LTD.

October 3rd, 2016

City of Saskatoon Infrastructure Services Department City Hall North 222 3rd Avenue North Saskatoon, Sk S7K 0J5

ATTENTION: Cris Figueroa

SUBJECT: Bulk Sample Analysis Report – City Hall North

Please find attached the laboratory results for the bulk samples collected from City Hall North – Council Chambers on September 30^{th} , 2016 located at 222 3^{rd} Avenue North, Saskatoon, SK. The samples were analyzed for the identification of asbestos. Asbestos **was** detected in one of the samples.

The results for the samples submitted were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

This test report relates only to the materials sent for examination and any use or extension of the information by the client of these results is the responsibility of the client.

If any questions arise on the results of the attached information, please contact our office 306 222 7477. Thank you for this opportunity of service!

Sincerely,

Brad Berschiminsky Bersch & Associates Ltd.

File: B67BLI30F – City Hall North

P.O BOX 3568 HUMBOLDT, SK. S0K 2A0 Ph: (306) 231-5818 Fax: (306) 682-4509

Bersch & Associates Ltd.

Box 3568 Humboldt, Sask. S0K 2A0

BULK SAMPLE ANALYSIS REPORT

PROJECT NO: B67.16

CLIENT: CITY OF SASKATOON INFRASTRUCTURE SERVICES DEPARTMENT

CONTACT: CRISTIAN FIGUEROA

LOCATION: CITY HALL NORTH - 222 3RD AVENUE NORTH, SASKATOON, SK

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
1	30-Sep-16	105 - Council Chambers - Drywall Mud Compound (Ceiling)	No Asbestos Detected		WB
2	30-Sep-16	105 - Council Chambers Ceiling Space - Drywall Mud Compound Compilation	No Asbestos Detected		WB
3a	30-Sep-16	105 - Council Chambers Ceiling Space- Duct Mastic Adj. 107 Ceiling Space Access Ladder - Red	Chrysotile	5%	WB
3b	30-Sep-16	105 - Council Chambers Ceiling Space- Duct Mastic Adj. 107 Ceiling Space Access Ladder - Yellow	No Asbestos Detected		WB
4	30-Sep-16	105 - Council Chambers Ceiling Space - Duct Sealant Tape	No Asbestos Detected		WB
5	30-Sep-16	105 - Council Chambers Ceiling Space - Duct/Ceiling Penetration Insulation	No Asbestos Detected		WB
6	30-Sep-16	105 - Council Chambers Ceiling Space - Spray-applied Fire Proofing	No Asbestos Detected		WB

BERSCH & ASSOCIATES LTD.

January 27th, 2017

The City of Saskatoon 222 3rd Avenue North Saskatoon, SK S7K 0J5

ATTENTION: Darrell Wasylowich

SUBJECT: Bulk Sample Analysis Report

Please find attached our laboratory's results for the bulk samples collected January 23rd, 2017 from North City Hall, Saskatoon, SK. The samples were analyzed in our laboratory for the identification of asbestos. Asbestos <u>was not</u> detected in the samples.

The results for the samples submitted were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

This test report relates only to the materials sent for examination and any use or extension of the information by the client of these results is the responsibility of the client.

If any questions arise on the results of the attached information please contact our office. Thank you for this opportunity of service!

Sincerely,

Brad Berschiminsky Bersch & Associates Ltd.

File No. – B67BLA23G – City Hall North

Bersch & Associates Ltd.

244-2002 Quebec Avenue Saskatoon, SK S7K 1W4

BULK SAMPLE ANALYSIS REPORT

PROJECT NO: B67.17

CLIENT: CITY OF SASKATOON

CONTACT: DARRELL WASYLOWICH

LOCATION: CITY HALL NORTH - 222 3RD AVENUE NORTH, SASKATOON, SK.

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
1	23-Jan-17	Parking Garage Main Electrical Room - Ceiling Drywall Mud Compound	No Asbestos Detected		WB
2	23-Jan-17	Parking Garage Ramp Room - Concrete Material	No Asbestos Detected		WB
3	23-Jan-17	Boiler Room - Plaster	No Asbestos Detected		WB



March 10th, 2017

The City of Saskatoon 222 3rd Avenue North Saskatoon, SK S7K 0J5

ATTENTION: Darrell Wasylowich

SUBJECT: Bulk Sample Analysis Report – City Hall North

Please find attached the laboratory results for the bulk samples collected February 23rd, 2017 from the Server Room at City Hall North, located at 222 3rd Avenue North, Saskatoon, SK. The samples were analyzed for the identification of asbestos. Asbestos <u>was not</u> detected in the samples.

The results for the samples submitted were obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

This test report relates only to the materials sent for examination and any use or extension of the information by the client of these results is the responsibility of the client.

If any questions arise on the results of the attached information please contact our office. Thank you for this opportunity of service!

Sincerely,

Mitch Webber Bersch Consulting Ltd.

File No. – B67BLB23G – City Hall North

Bersch Consu	0				B67BAB23G				
244-2002 Quebec Av Saskatoon, SK S7K			BULK SAMPLE A	NALYSIS REPORT					
PROJECT NO: CLIENT: CONTACT: LOCATION:	CLIENT: CITY OF SASKATOON CONTACT: DARRELL WASYLOWICH								
NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST				
1	23-Feb-17	Server Room - Storage -Drywall	No Asbestos Detected		WB				
2	23-Feb-17	Server Room - West Wall -Drywall	No Asbestos Detected		WB				
3	23-Feb-17	Server Room - South Wall -Drywall	No Asbestos Detected		WB				



May 23, 2017

The City of Saskatoon 222 3rd Avenue North Saskatoon, SK S7K 0J5

ATTENTION: Kimberly Rudd

SUBJECT: Bulk Sample Analysis Report

Please find attached the laboratory results for the bulk sample collected on May 17, 2017 from room 229a/b at City Hall North located in Saskatoon, SK. The sample was analyzed for the identification of asbestos. Asbestos **was not** detected in the sample.

The results for the sample submitted was obtained by examination in accordance with the current USEPA 600/R-93/116 Method for the analysis of asbestos in building materials using polarized light microscopy and dispersion staining techniques. The detection limit of this method is listed as less than 1% by volume.

This test report relates only to the materials sent for examination and any use or extension of the information by the client of these results is the responsibility of the client.

If any questions arise on the results of the attached information, please contact our office. Thank you for this opportunity of service!

Sincerely,

Mitch Webber Bersch Consulting Ltd. B67BLE17G

Bersch Const 244-2002 Quebec Av Saskatoon, SK S7K	venue	<i>l</i> .	BULK SAMPLE AN	B67BAE17G	
PROJECT NO: CLIENT: CONTACT: LOCATION:	CITY OF KIMBERI	SASKATOON LY RUDD LL NORTH			
NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
1	17-May-17	229a/b - Drywall Mud Compound	No Asbestos Detected		WB