

### 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

B67BAA16

Box 3568

Humboldt, Sask. S0K 2A0

BULK SAMPLE ANALYSIS REPORT

PROJECT NO. B67.15

CLIENT: City of Saskatoon

**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

B67BAA16

Box 3568

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BULK SAMPLE ANALYSIS REPORT

PROJECT NO. B67.15

CLIENT: City of Saskatoon

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**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

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Box 3568

Humboldt, Sask. S0K 2A0

BULK SAMPLE ANALYSIS REPORT

PROJECT NO. B67.15

CLIENT: City of Saskatoon

**Infrastructure Services- Facilities Branch** 

**Contact: Brent Anderson** 

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

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	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

Citeria	all Marth								В	erscn A	ssociates Ltd.				
сіту Н	all North	1					CAM	PLE DATA				1			
ı	Room		SAMPLE	Sample	Date	Asbestos		Tradename	<del>                                     </del>		Description of	Asbestos Content	Potential for		
Floor	Number	Use	SAMPLE REP		DD/MM/YY				Condition F	Priority	Sample Location	In Area	Disturbance	Action	Comments
В	B01	Storage	<u></u>	٠.5	25/mm/11	- 7   -	. 10200100		Jonation	····		No Accessible ACM	2.ota.banos	, 1011011	
В	B02	Ciorago										No Accessible ACM	1		
	-	Trades Office/Lunch													
В	B03	Room										No Accessible ACM			
											Parkade				
						None		Pipeline Fitting			- Small Pipeline Fitting On				
В	B04	Parkade	Sample	B15-ASB.11	22-Jan-15	Detected		Compound			DCW Line Near Basement	No Accessible ACM			
						Mana		Dia alia a Finia a			Parkade				
_	D0.4	Darkarda	0	D45 A0D 40	00 1 45	None		Pipeline Fitting			- Small Pipeline Fitting On	NI- Ailla AONA			
В	B04	Parkade	Sample	B15-ASB.12	22-Jan-15	Detected		Compound			DHW Line Near Basement Parkade	No Accessible ACM			
						None		Pipeline Fitting			- Lineal Pipe Insulation On				
В	B04	Parkade	Sample	B15-ASB.13	22-Jan-15			Compound			DHW Line Near Basement	No Accessible ACM			
	501	1 amado	Campio	2107102.10	ZZ Gaii 10	Dottootou		Compound			Parkade	110 / 1000001010 / 10111			
											- Medium Pipeline Fitting				
						None		Pipeline Fitting			Adjacent Unit Heater(Centre of				
В	B04	Parkade	Sample	B15-ASB.14	22-Jan-15	Detected		Compound			Parkade)	No Accessible ACM			
											Parkade				
											- Medium Pipeline Fitting				
_	504	5		5 4.05		None		Pipeline Fitting			Adjacent Unit Heater Adjacent				
В	B04	Parkade	Sample	B15-ASB.15	22-Jan-15	Detected		Compound			Garage Door	No Accessible ACM			
						None		Pipeline Fitting			Parkade - LPS Pipeline Fitting In South				
В	B04	Parkade	Sample	B15-ASB.16	22- Jan-15			Compound			West Corner	No Accessible ACM			
	D0-7	Tantado	Campic	D10 7(0D.10	22 0411 10	Dolotto		Compound			Parkade	140 / toocssible / tolvi			
						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			
						Mana		Dia alia a Finia a			Parkade				
В	B04	Parkade	Comple	B15-ASB.19	22 Jan 15	None		Pipeline Fitting			- CHWS Pipeline Fitting In South West Corner	No Accessible ACM			
Б	D04	rainaue	Sample	D 10-A3D. 19	22-Jan-13	Perecied		Compound	+		Basement Chiller Room	INO ACCESSIBLE ACIVI	+		
											- 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				
						None		Pipeline Fitting			- Small Green WHWR Fitting				
В	B05	Chiller Room	Sample	B15-ASB.2	16-Jan-15	Detected		Compound			Adjacent South Entry	No Accessible ACM	1		
											Basement Chiller Room				
						None		Dipolino Fittina			- Large Pipeline Fitting On				
В	B05	Chiller Room	Sample	R15_ASR 2	16- lan-15	None		Pipeline Fitting Compound			Green CHS Line Adjacent Fan F-1	No Accessible ACM			
ט	טטם	OTHING! RUUIII	Sample	D10-400.0	10-0411-13	Perecied		Compound	+		1 - 1	INO ACCESSIBLE ACIVI	+		
											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											No Accessible ACM			
В	BS2	Stairwell										No Accessible ACM			
В	E-1	Elevator									City Hall North	No Accessible ACM			1 of 10

City	all Marth									CISCII	ssociates Ltd.				
сіту Н	all North		ı				CAM	PLE DATA				1			
1	Room		SAMPLE	Sample	Date	Asbestos		Tradename			Description of	Asbestos Content	Detential for		
Floor	Number	Use	SAMPLE REP		DD/MM/YY		Asbestos		Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments
	B07	030	SAMIFEE REF	טו	DD/IVIIVI/ I I	Турс	ASDESIUS	Aominioadot	Condition	HOTH	Campie Location	No Accessible ACM	Distuibance	Action	Comments
В	B07	Main Electrical										NO Accessible ACIVI			
В	B08	Service										No Accessible ACM			
ь	Б00	Ramp Room							<del>                                     </del>			INO Accessible ACIVI			
В	B09	Storage										No Accessible ACM			
В	B09A	Otorage										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										No Accessible ACM			
											Basement Corridor				
						None		Pipeline Fitting			- Medium Pipeline Fittings On				
В	B14	Corridor	Sample	B15-ASB.8	22-Jan-15	Detected		Compound			HWS At Rear Of Elevator	No Accessible ACM			
									I	7	Basement Corridor		Ι Τ		
						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				
_	5	0		D OD . o		None		Pipeline Fitting			- Small Pipeline Fitting On				
В	B14	Corridor	Sample	B15-ASB.10	22-Jan-15	Detected		Compound			DHW At Rear Of Elevator	No Accessible ACM			
В	BS3	Stairwell										No Accessible ACM			
M	100A 100B	Vestibule										No Accessible ACM No Accessible ACM			
M M	100B	Landing										No Accessible ACM			
M	S-3	Stairwell										No Accessible ACM			
M	101	Lobby										No Accessible ACM			
M	102	Information Desk										No Accessible ACM			
	102	miomation Book									Room #324	THE PROCESSION FROM			
								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
M	103	Vestibule	Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile		Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
M	104	Security Desk	i i			,					,	No Accessible ACM			
M	105	Council Chambers										No Accessible ACM			
M	106											No Accessible ACM			
М	107											No Accessible ACM			
		Area Behind							I	7			Ι Τ		
M	108	Chambers										No Accessible ACM			
		Area Behind													
M	109	Chambers										No Accessible ACM			
l l		Area Behind													
M	110	Chambers										No Accessible ACM			
	444	Area Behind										No Accessible ACM			
М	111	Chambers										No Accessible ACM			
М	112	Area Behind Chambers										No Accessible ACM			
M	S-1	Stairwell										No Accessible ACM			
M	113/1A	Otali Well										No Accessible ACM			
M	113/1B											No Accessible ACM			
M	113/1C											No Accessible ACM			
M	113/1D											No Accessible ACM			
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2 of 10

City, LI	all North									Bersch A	ssociates Ltd.				
сіту На	an North						0411	DI E DATA				1			
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_	Number	Use	SAMPLE REP	ID	DD/MM/YY	Туре	Aspestos	ACIVI Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments
М	113/1F											No Accessible ACM			
	113/1G											No Accessible ACM			
	113/1H											No Accessible ACM			
	113/2A											No Accessible ACM			
	113/2B											No Accessible ACM			
	113/2C											No Accessible ACM			
	113/2D											No Accessible ACM			
	113/2E	0 11 11										No Accessible ACM			
	113/3A	Collections										No Accessible ACM			
	113/3B	Collections										No Accessible ACM			
	113/3C	Collections										No Accessible ACM			
	113/3D	Collections										No Accessible ACM			
	113/3E	Collections										No Accessible ACM			
M	113/3F	Collections										No Accessible ACM			
	113/3G	Collections										No Accessible ACM			
	113/3H	Collections										No Accessible ACM			
	113/4A	Office										No Accessible ACM			
	113/4B	Office										No Accessible ACM			
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	113/71	Office										No Accessible ACM			
	113/7J	Office										No Accessible ACM			
	113/8A	Office										No Accessible ACM			
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М	113/8D	Office										No Accessible ACM			

City U	all North									Bersch A	ssociates Ltd.				
сиу па	an NOITh		F				CAM	PLE DATA				T			
	Room		SAMPLE	Sample	Date	Asbestos	% of	Tradename			Description of	Asbestos Content	Detential for		T
Floor	Number	Use	SAMPLE REP	Sample	DD/MM/YY			ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments
M	113/9A	Office	OAMII EE KEI	10	DD/WW/TT	1,700	ASDESIUS	/tom i roddot	Condition	1 Hority	Campio 200ation	No Accessible ACM	Distuibance	Action	- Commente
	113/9B	Office										No Accessible ACM			
	113/9C	Office										No Accessible ACM			
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М	127/1A											No Accessible ACM			
М	127/1B											No Accessible ACM			
М	127/1C											No Accessible ACM			
М	127/1D	Corridor										No Accessible ACM			
М	127/1E											No Accessible ACM			
М	127/1F											No Accessible ACM			
М	127/2A											No Accessible ACM			
М	127/2B											No Accessible ACM			
	127/2C											No Accessible ACM			
М	127/2D											No Accessible ACM			
	127/2E											No Accessible ACM			
М	127/2F	Office										No Accessible ACM			
	127/2G	Office										No Accessible ACM			
M	127/3A	Office										No Accessible ACM			
M	127/3B	Office	<b> </b>									No Accessible ACM			
M	127/4A	Office										No Accessible ACM			
M	127/4B	Office										No Accessible ACM			
M	127/4C	Office Office										No Accessible ACM			
M	128/1A	Office	<del> </del>									No Accessible ACM No Accessible ACM	+		
M	128/1B	Office	<del> </del>									No Accessible ACM No Accessible ACM	<del>                                     </del>		
M	128/1C 128/1D	Office	<del> </del>									No Accessible ACM	<del>                                     </del>		
M M	128/1D 128/1E	Corridor										No Accessible ACM			
	128/1E 128/2A	Comuoi										No Accessible ACM			
	128/2B	Office	<del> </del>									No Accessible ACM	+ +		
	128/2C	Office	<del>                                     </del>									No Accessible ACM			
	128/2D	Office	<del>                                     </del>									No Accessible ACM			
M	128/2E	Office	<del>                                     </del>									No Accessible ACM			
M	120/2E	Office	<del>                                     </del>									No Accessible ACM			
M	130	Onice	<del>                                     </del>									No Accessible ACM			
M	131	Bathroom	<del>                                     </del>									No Accessible ACM			
M	132	Bathroom										No Accessible ACM			
IVI	132	Datiliooni									City Hall North	140 Accessible ACM			4 of 10

Summer   Use   SAMPLE   Sample   Discourage   SAMPLE	City U	all Marth									serscn A	Associates Ltd.				
Refront   Use	City n	ali North						CAM	DIFDATA							
Floor   Number   Use   SAMPLE REP   10   Conward   Type   Apheeton   ACM Product   Condition Property   Sample Location   In Area   No. Accessible ACM   Action   Comments   ACM Product   Condition   Action		_		0444015		5.	A - l 4					Description of	A - b t O t t	15 ( () ( )		1
M   133   Bethroom			llee						1 radename	0 11.1	<b>D</b> · · ·/				•	Comments
Machine   Mach	_			SAMPLE REP	טו	DD/MM/YY	туре	Aspestos	ACIVI Product	Condition	Priority	Sample Location		Disturbance	Action	Comments
M   156			Bathroom													
M   C1   Elevator																
M   138																
M   130																
M   138	М	E-1	Elevator									-	No Accessible ACM			
M																
March   138									,							
M   139   Sample Rep   B15-ASB.21   22-Jan-15   Chrysofile   1-5%   Tile   Good   Brown & White Spec Pattern   Low   Manage   M	М	138		Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3	·	Vinyl Asbestos Tile	Low	Manage	
M																
M   140									,							
M				Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3	Brown & White Spec Pattern		Low	Manage	
M																
M			Stairwell													
M													No Accessible ACM			
M																
M																
M																
2																
2   2001   Hallway	M	146											No Accessible ACM			
2 20072																
2   200/24			Hallway													
2   200/3   Corridor																
Room # 2nd Floor Corridor   Lineal Pipe   Insulation   No Accessible ACM																
2	2	200/3	Corridor										No Accessible ACM			
2   2004   Vestibule   Sample   B15-ASB.6   21-Jan-15   Detected   Insulation   Washroom   No Accessible ACM   Washroom   No Accessible ACM   No																
2																
2																
2   201B			Vestibule	Sample	B15-ASB.6	21-Jan-15	Detected		Insulation							
2   202   Corridor																
2   202B		201B														
2   203	2															
2   204	2	202B	Office													
2   205   Bathroom																
2   206																
2   207			Bathroom													
2   208																
Sample   B15-ASB.5   21-Jan-15   Detected   Fireproofing   Area #209   No Accessible ACM   No Accessible ACM   Sample   B15-ASB.5   21-Jan-15   Detected   Fireproofing   No Accessible ACM   No Accessible ACM   Sample Rep   B15-ASB.21   22-Jan-15   Chrysotile   1-5%   Tile   Good   Sample Rep   B15-ASB.21   Sample Rep   Sample																
2   209/1A   Sample   B15-ASB.5   21-Jan-15   Detected   Fireproofing   - Spray On Fire-Proofing   No Accessible ACM   No Ac	2	208											No Accessible ACM			
2   209/1B																
2   209/1C				Sample	B15-ASB.5	21-Jan-15	Detected		Fireproofing			- Spray On Fire-Proofing				
2   209/1D   No Accessible ACM   No Accessib																
2   209/1E														Τ		
2   210   Office   Sample Rep   B15-ASB.21   22-Jan-15   Chrysotile   1-5%   Tile   Good   3   Brown & White Spec Pattern   Vinyl Asbestos Tile   Low   Manage   No Accessible ACM   No	2	209/1D												Τ		
2 210 Office Sample Rep B15-ASB.21 22-Jan-15 Chrysotile 1-5% Tile Good 3 Brown & White Spec Pattern Vinyl Asbestos Tile Low Manage 2 211 Office No Accessible ACM	2	209/1E						•					No Accessible ACM			
2         210         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         211         Office         No Accessible ACM         No Accessible ACM           2         212         No Accessible ACM         No Accessible ACM           2         213         No Accessible ACM         No Accessible ACM           2         214         No Accessible ACM         No Accessible ACM																
2         211         Office         No Accessible ACM           2         212         No Accessible ACM           2         213         No Accessible ACM           2         214         No Accessible ACM									Vinyl Asbestos							
2       211       Office       No Accessible ACM         2       212       No Accessible ACM         2       213       No Accessible ACM         2       214       No Accessible ACM	2			Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3	Brown & White Spec Pattern		Low	Manage	
2       212       No Accessible ACM         2       213       No Accessible ACM         2       214       No Accessible ACM	2	211	Office	·											-	
2         213         No Accessible ACM           2         214         No Accessible ACM	2	212	<del></del>												<del></del>	
2 214 No Accessible ACM	2															
	2															
2 215 Storage No Accessible ACM	2		Storage										No Accessible ACM			

City L	lall North									bersch A	ssociates Ltd.				
City F	ian North	1					CAM	PLE DATA							
<u> </u>	Room		SAMPLE	Sample	Date	Asbestos	% of	Tradename		1	Description of	Asbestos Content	Detential for		1
Floor	Number	Use	SAMPLE REP		DD/MM/YY			ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments
2	216	Bathroom	O7		22,	71	7.020000					No Accessible ACM	2.01		
2	217	Bathroom										No Accessible ACM			
2	S-1	Stairwell										No Accessible ACM			
2	218/1A	Office										No Accessible ACM	t t		
2	218/1B	Office										No Accessible ACM	1		
2	218/1C	Office										No Accessible ACM	1		
2	219/1A											No Accessible ACM			
2	219/1B											No Accessible ACM			
2	219/1C											No Accessible ACM			
2	220	Admin Hallway										No Accessible ACM			
2	221	,										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			- 1' x 1' Floor Tile Brown With				
2	229A		Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good			Vinyl Asbestos Tile	Low	Manage	
											Room #324				
_								Vinyl Asbestos		_	- 1' x 1' Floor Tile Brown With		1 . 1		
2	229B		Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
2	230	Flex Area										No Accessible ACM			
	224	Committee Deam IAI										No Accessible ACM			
2		Communications										No Accessible ACM			
2	232A 232B	Communications Communications										No Accessible ACM No Accessible ACM	+		
2	232B 232C	Communications										No Accessible ACM			
2	2320	Communications										No Accessible ACM			
	233											INU ACCESSIBIE ACIVI			
2	235	Committee Room 'B'										No Accessible ACM			
2	235/1A	Closet										No Accessible ACM	+ +		
2	236/1A 236/1B	Cioset										No Accessible ACM	+ +		
2	236/1C											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			
	200/ IL				ı					700440	- City Hall North	110 / 1000030IDIG /TOIVI			6 of 10

C:4. 11	all North									erscn A	ssociates Ltd.				
City n	ali North		ı				CAM	PLE DATA				1			
	Doom		SAMPLE	Comple	Doto	Asbestos		Tradename			Description of	Asbestos Content	Detential for		
Floor	Room Number	Use	SAMPLE REP	Sample ID	Date DD/MM/YY		% of Asbestos		Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments
2	238/1F									,	•	No Accessible ACM			
2	239/1A											No Accessible ACM			
2	239/1B											No Accessible ACM			
2	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			
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 Office										No Accessible ACM No Accessible ACM			
2	258/1B	Office										No Accessible ACM			
2	258/1C 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			
-	200	011100									Room #324				
								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With	1			
2	265	Office	Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3	Brown & White Spec Pattern	Vinvl Asbestos Tile	Low	Manage	
		200	,p			,,	. 2,7	_			Room #324	1,111230.00 1.110			
								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With	1			
2	266	Office	Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile			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											No Accessible ACM			
2	E-1	Elevator										No Accessible ACM			
2	270	Office										No Accessible ACM			

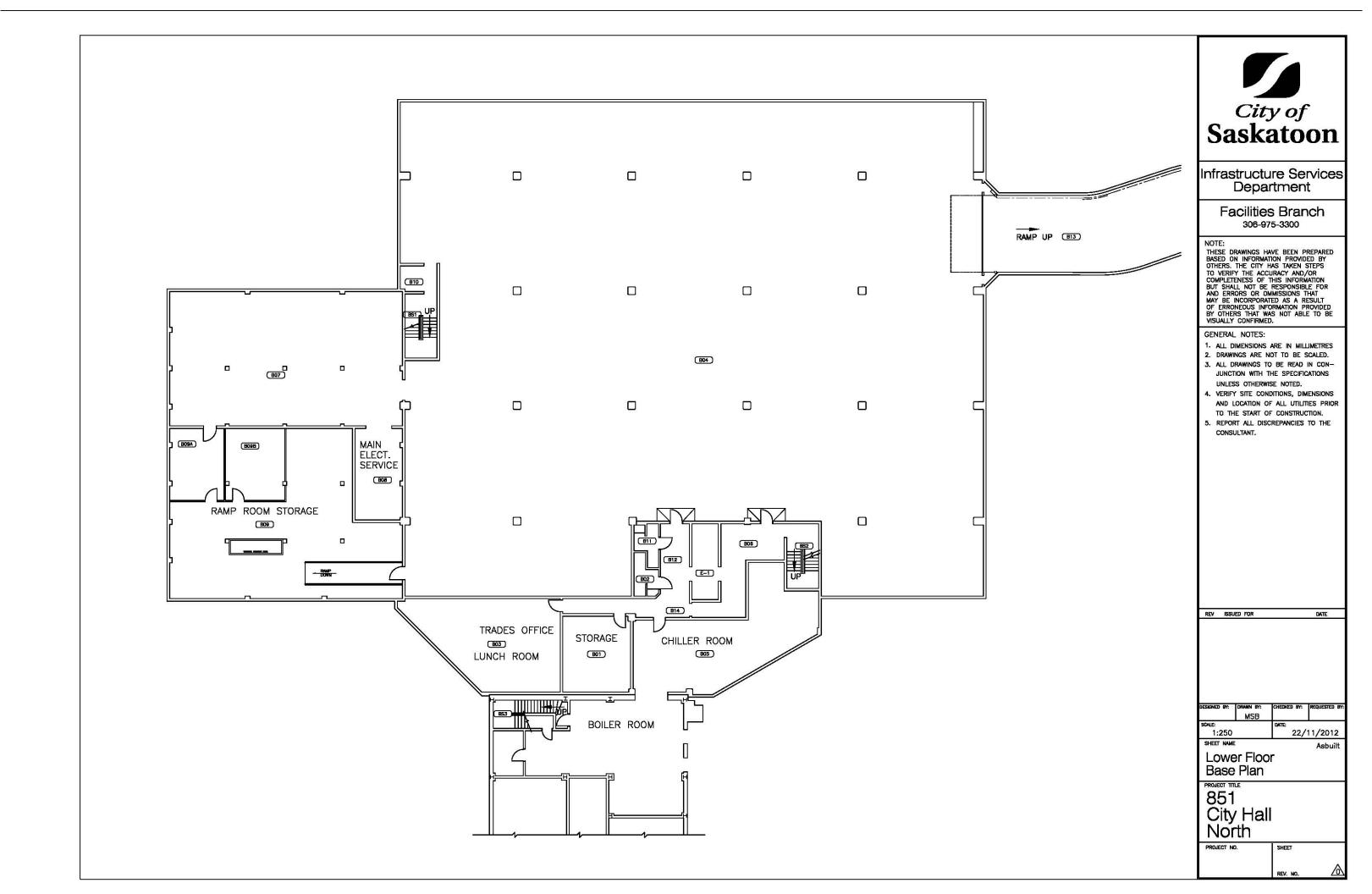
City II	all Marth									serscn <i>P</i>	Associates Ltd.				
сіту Н	all North							DIEDATA							
Т	Doc		SAMPLE	Sample	Deta	Asbestos	% of	PLE DATA Tradename			Description of	Asbestos Content	Detential fa		T
Floor	Room Number	Use	SAMPLE REP		Date DD/MM/YY			ACM Product	Condition	Driority	Sample Location	In Area	Disturbance	Action	Comments
		Office	SAMIFEE KEF	ID.	DD/WIWI/TT	Type	ASDESIUS	Aominioaact	Condition	riiority	Cumple Location	No Accessible ACM	Distuibance	Action	Comments
2	271	3rd Floor North										NO Accessible ACIVI			
2	200/4 4	Hallway										No Accessible ACM			
3	300/1A 300/1B	Corridor										No Accessible ACM			
3	300/16	Comuoi							H +		Infrastructure Services	NO Accessible ACIVI	+		
						None					- Duct Insulation On Large				
3	301/1A	Office	Sample	B15-ASB.7	21 Jan 15			Duct Insulation				No Accessible ACM			
	301/1B	Office	Sample	D10-A0D.7	21-3411-13	Detected		Duct Insulation			Oliver Duct Above Celling The	No Accessible ACM			
	301/1C	Office										No Accessible ACM			
	301/1D	Office										No Accessible ACM			
	301/1E	Office										No Accessible ACM			
3	301/1E	Corridor										No Accessible ACM			
	301/2A	Office										No Accessible ACM			
	301/2B	Office										No Accessible ACM			
	301/2D	Office									<u> </u>	No Accessible ACM			1
3	301/2D	Office										No Accessible ACM			
	301/2E	Office										No Accessible ACM			
	301/2F	Office										No Accessible ACM			
	301/2G	Office										No Accessible ACM			
	301/2H	Office										No Accessible ACM			
	301/3A	Office										No Accessible ACM			
	301/3B	Office										No Accessible ACM			
3	301/3C	Corridor										No Accessible ACM			
	301/3D	Office										No Accessible ACM			
	301/3E	Corridor										No Accessible ACM			
	301/4A	Office										No Accessible ACM			
	301/4B	Corridor										No Accessible ACM			
	301/4C	Office										No Accessible ACM			
	301/4D	Office										No Accessible ACM			
	301/4E											No Accessible ACM			
	301/4F											No Accessible ACM			
	301/4G	Office										No Accessible ACM			
	301/5A	Office										No Accessible ACM			
3	301/5B	Office										No Accessible ACM			
	301/5C	Office										No Accessible ACM			
	301/5D	Office										No Accessible ACM			
3	301/5E	Office										No Accessible ACM			
3	301/5F											No Accessible ACM			
3	301/5G	Office										No Accessible ACM			
	301/5H	Office										No Accessible ACM		<del></del>	
	301/6A	Office										No Accessible ACM			
3	301/6B	Office										No Accessible ACM			
	301/6C	Office										No Accessible ACM			
3	301/6D	Office										No Accessible ACM			
	301/6E	Office										No Accessible ACM			
	301/6F	Office										No Accessible ACM			
	301/6G	Office										No Accessible ACM			
	301/6H	Office										No Accessible ACM			
	301/6J	Corridor										No Accessible ACM			
	301/7A	Office										No Accessible ACM			
	301/7B	Office										No Accessible ACM			
3	301/7C	Office										No Accessible ACM			

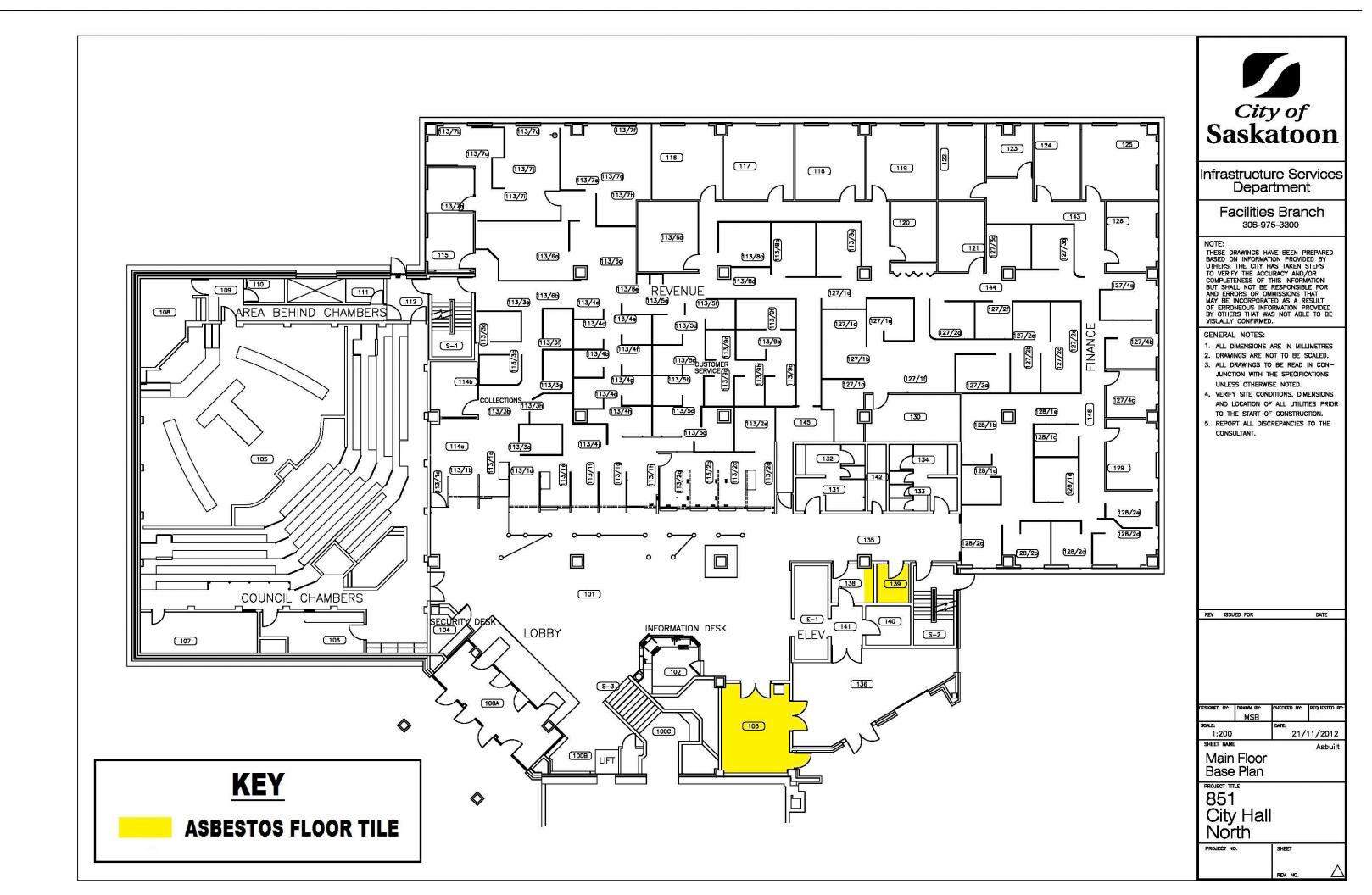
City Ua	II North									sersch A	ssociates Ltd.				
City Ha	ii NOITh						CAM	PLE DATA				1			
	Room		SAMPLE	Sample	Date	Asbestos	% of	Tradename			Description of	Asbestos Content	Potential for		
	Number	Use	SAMPLE REP	ID	DD/MM/YY			ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments
	301/7D	Office				71				,	·	No Accessible ACM			
	301/8A	Office										No Accessible ACM			
	301/8B	Office										No Accessible ACM			
	301/8C	Office										No Accessible ACM			
	301/9A	Office										No Accessible ACM			
	301/9B	Office										No Accessible ACM			
	301/9C	Office										No Accessible ACM			
	301/9D	Corridor										No Accessible ACM			
	301/9E	Office										No Accessible ACM			
	302/1A	Office										No Accessible ACM			
3	302/1B	Office										No Accessible ACM			
3	302/1C	Office										No Accessible ACM			
	302/1D	Office										No Accessible ACM			
	302/1E	Office										No Accessible ACM			
3	302/1F	Office										No Accessible ACM			
	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			
	302/2C	Office										No Accessible ACM			
3	302/2D	Office										No Accessible ACM			
	302/2E	Corridor										No Accessible ACM			
	302/2F	Office										No Accessible ACM			
	302/2G	Office										No Accessible ACM			
	302/4A	Office										No Accessible ACM			
3	302/4B	Office										No Accessible ACM			
	302/4C	Office										No Accessible ACM			
	302/5A	Office										No Accessible ACM			
	302/5B	Office										No Accessible ACM			
	302/5C	Office										No Accessible ACM			
3	302/5D	Office										No Accessible ACM			
	302/5E	Office										No Accessible ACM			
	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			

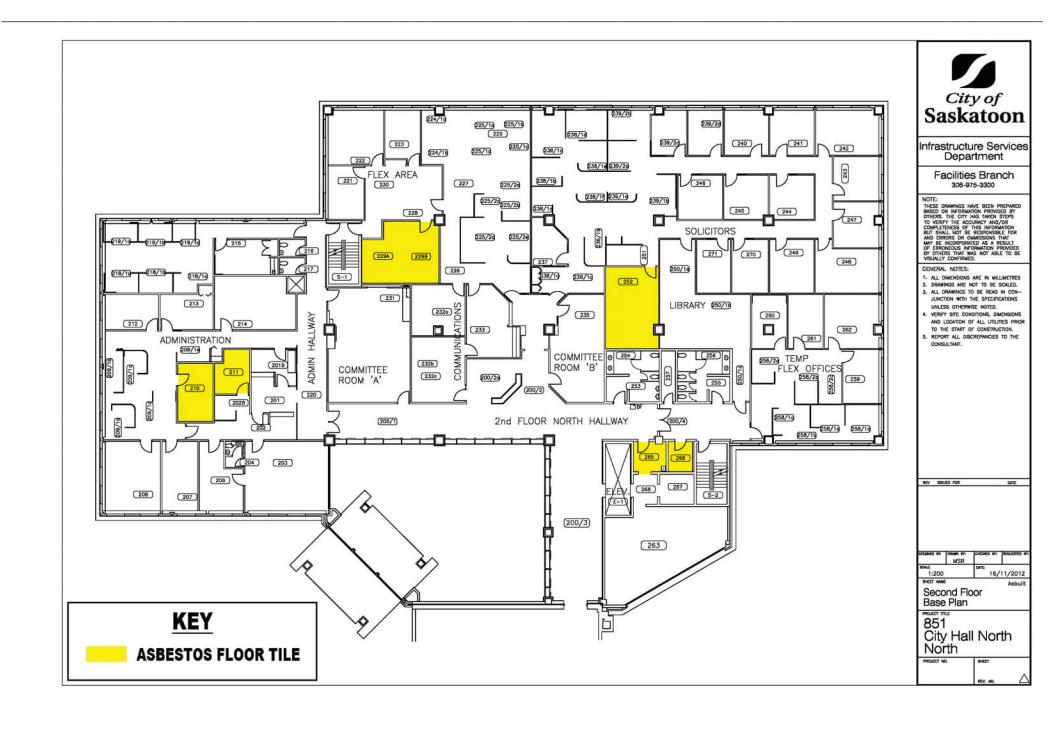
City I	City Hall North														
							SAM	IPLE DATA							
	Room		SAMPLE	Sample	Date	Asbestos	% of	Tradename			Description of	Asbestos Content	Potential for		
Floor	Number	Use	SAMPLE REP	ID	DD/MM/YY	Type	Asbestos	ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments
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			

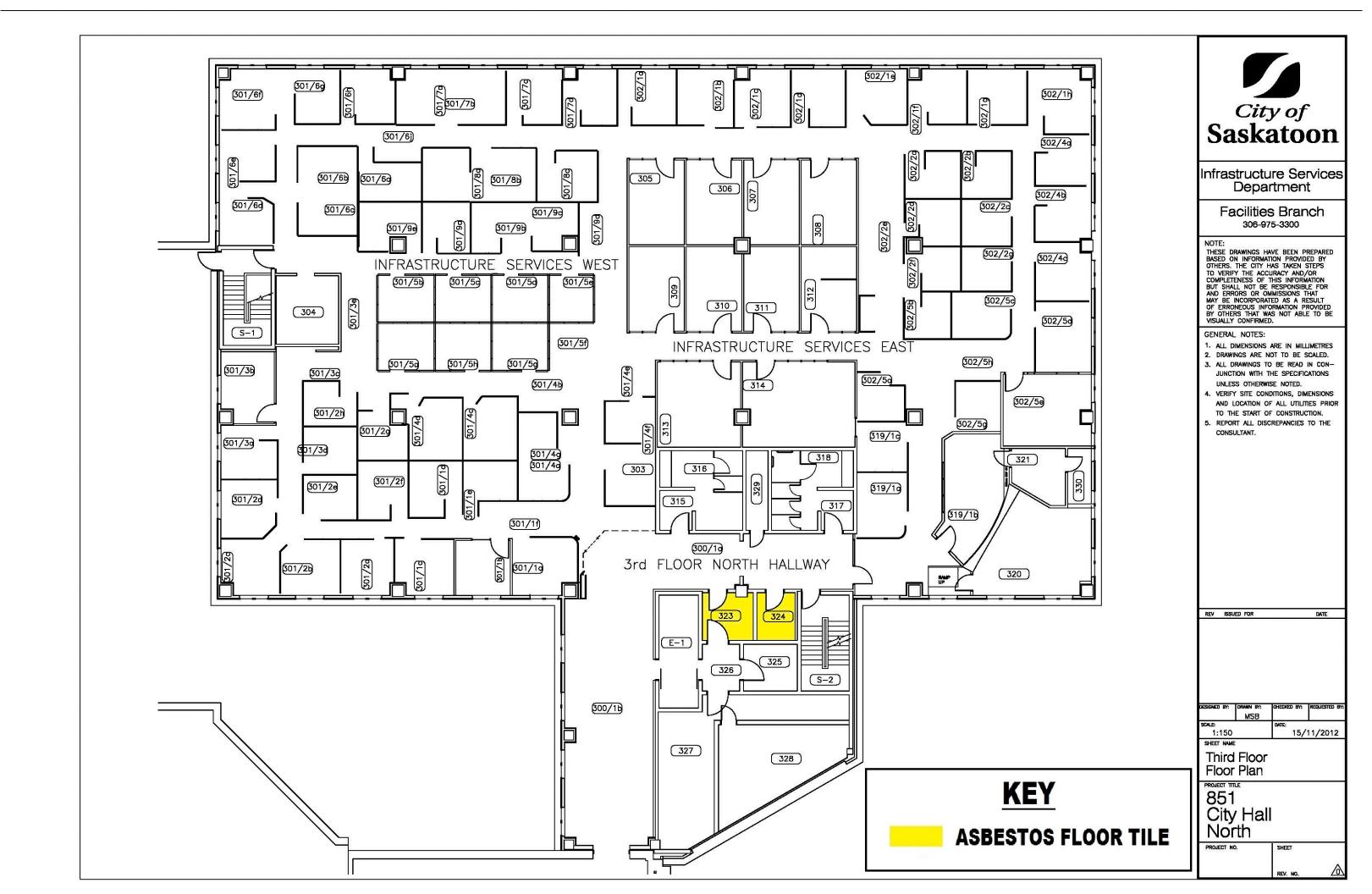
10 of 10

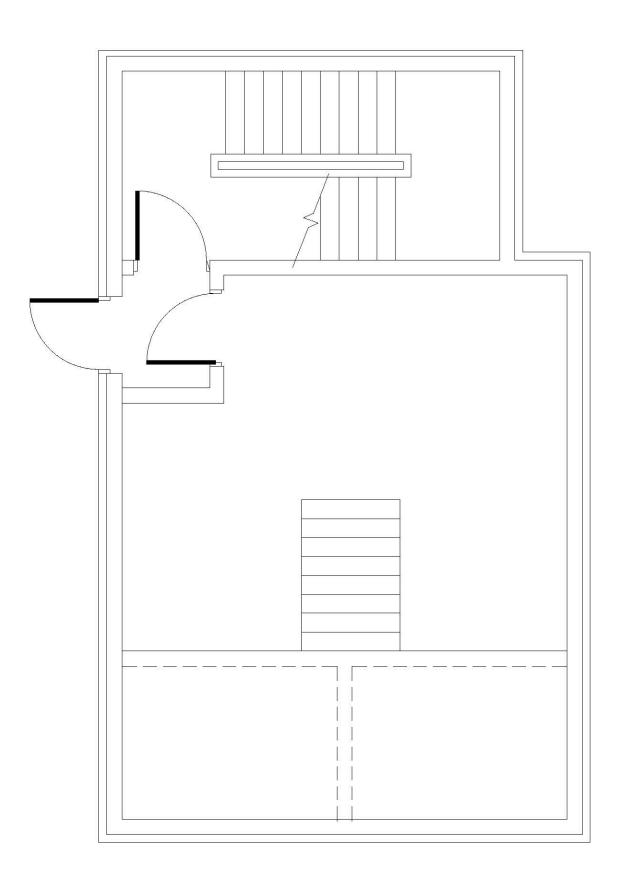
# APPENDIX III FLOOR PLANS













## Infrastructure Services Department

### Facilities Branch

#### GENERAL NOTES:

- 1. All dimensions are in millimetres
  2. Drawings are not to be scaled.
  3. All drawings to be read in conjunction with the specifications.
  unless otherwise noted.
- 4. Verify site conditions and location of all utilities prior to the start of construction.
- 5. Report all discrepancies to the Consultant. 6. If in doubt, ask.

REV ISSUED FOR

DESIGNED BY:	jb	CHECKED BT:	REQUESTED BY
SCALE:		DATE:	
1:50		19/	10/04

Penthouse Floor Base Plan

851 City Hall North North

0:4-	Bersch Associates Ltd.  / Hall North													
City I	iali North						C A 34	DIEDATA						
	Doom		SAMPLE	Sample	Doto	Asbestos	% of	PLE DATA Tradename	<u> </u>	Description of	Asbestos Content	Potential fa-		1
Floor	Room Number	Use	SAMPLE REP		Date DD/MM/YY				Condition Prior		In Area	Disturbance	Action	Comments
В	B01	Storage	OANII EE KEI	ID.	DD/WW/TT	. , , , ,	ASDESIOS	7.0	Condition 1 1101	ty campio zocation	No Accessible ACM	Disturbance	Action	Commonts
В	B02	Otorage									No Accessible ACM			
_	202	Trades Office/Lunch												
В	B03	Room									No Accessible ACM			
										Parkade				
						None		Pipeline Fitting		- Small Pipeline Fitting On				
В	B04	Parkade	Sample	B15-ASB.11	22-Jan-15	Detected		Compound		DCW Line Near Basement	No Accessible ACM			
								D E		Parkade				
	D0.4	5		D45 40D 40	00 1 45	None	I I	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			
						None		Pipeline Fitting		Parkade - Lineal Pipe Insulation On				
В	B04	Parkade	Sample	B15-ASB.13	22- Jan-15			Compound		DHW Line Near Basement	No Accessible ACM			
	D04	Fairaue	Sample	D 13-A3D.13	22-Jan-13	Detected		Compound		Parkade	NO Accessible ACIVI			
										- Medium Pipeline Fitting				
						None		Pipeline Fitting		Adjacent 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	Detected		Compound		Garage Door	No Accessible ACM			
										Parkade				
_	D0.4	5		D45 40D 40	00 1 45	None		Pipeline Fitting		- LPS Pipeline Fitting In South				
В	B04	Parkade	Sample	B15-ASB.16	22-Jan-15	Detected		Compound		West Corner	No Accessible ACM			
						None		Pipeline Fitting		Parkade - Pipeline Fitting In South West				
В	B04	Parkade	Sample	B15-ASB.17	22- Jan-15	Detected		Compound		Corner	No Accessible ACM			
	DOT	1 arkade	Cample	D13-A0D.17	22-3411-13	Detected		Compound		Parkade	NO Accessible ACIVI			
						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			
								•		Parkade				
						None		Pipeline Fitting		- CHWS Pipeline Fitting In				
В	B04	Parkade	Sample	B15-ASB.19	22-Jan-15	Detected		Compound		South West Corner	No Accessible ACM			
										Basement Chiller Room				
						Na:		Dinalina Fitti-		- Large Pipeline Fitting On				
В	B05	Chiller Room	Comple	B15-ASB.1	16-Jan-15	None Detected		Pipeline Fitting Compound		Yellow Steam Line Adjacent Wet Wall	No Accessible ACM			
В	CUD	Chine Room	Sample	DIU-AOD.T	10-Jan-15	Detected		Compound		Basement Chiller Room	INO ACCESSIBIE ACIVI			
						None		Pipeline Fitting		- Small Green WHWR Fitting				
В	B05	Chiller Room	Sample	B15-ASB.2	16-Jan-15	Detected		Compound		Adjacent South Entry	No Accessible ACM			
	_ 50		22		2 230			1		Basement Chiller Room				
										- 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			
										Basement Chiller Room				
						NI-		District Time		- Medium Pipeline Fitting On				
_ n	B05	Chiller Dagge	Corenta	B15-ASB.4	16 le= 15	None		Pipeline Fitting		Red "F" Line Adjacent Breaker Box In North East Corner	No Accessible ACM			
B	B05 B06	Chiller Room	Sample	D15-ASB.4	16-Jan-15	Detected		Compound		DOX III NORTH East Corner	No Accessible ACM			
В	BS2	Stairwell									No Accessible ACM			
В	E-1	Elevator	<del> </del>								No Accessible ACM	+ +		
	L"1	Licvator	L		l l		1		ı l		110 / 1000030IDIE AOIVI			

City L	Bersch Associates Ltd. Hall North														
City F	iali North		1				CAM	PLE DATA				1			
	Room		SAMPLE	Sample	Date	Asbestos	% of	Tradename	т т		Description of	Asbestos Content	Potential for		T
Floor		Use	SAMPLE REP		DD/MM/YY	Type	Ashestos	ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments
В	B07		Ortini EE IVE		22,11111,11	-71	7.0000000		oonan.	Herry		No Accessible ACM	Diotarbario	71011011	
-	D01	Main Electrical										INO Accessible ACIVI			
В	B08	Service										No Accessible ACM			
	500	Ramp Room							<del>†</del>			THE THEOREM THE INT	+		
В	B09	Storage										No Accessible ACM			
В	B09A											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										No Accessible ACM			
											Basement Corridor				
						None		Pipeline Fitting			- Medium Pipeline Fittings On				
В	B14	Corridor	Sample	B15-ASB.8	22-Jan-15	Detected		Compound			HWS At Rear Of Elevator	No Accessible ACM			
			ĺ								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				
_		<b>.</b>				None		Pipeline Fitting			- Small Pipeline Fitting On				
В	B14	Corridor	Sample	B15-ASB.10	22-Jan-15	Detected		Compound			DHW At Rear Of Elevator	No Accessible ACM			
В	BS3	Stairwell							<b>.</b>			No Accessible ACM			
M	100A	Vestibule							+ +			No Accessible ACM			
M	100B	l andina							-			No Accessible ACM No Accessible ACM			
M M	100C S-3	Landing Stairwell										No Accessible ACM			
M	101	Lobby										No Accessible ACM			
M	101	Information Desk										No Accessible ACM			
IVI	102	mormation besk									Room #324	INO Accessible ACIVI			
								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
М	103	Vestibule	Sample Rep	B15-ASB 21	22-Jan-15	Chrysotile		Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
M	104	Security Desk	Gampio Mop	2107102121	ZZ Gair 16	0111/001110	. 070		0000		ziemi d irimo opeci dicem	No Accessible ACM	20	Manago	
М	105	Council Chambers										No Accessible ACM			
М	106											No Accessible ACM			
М	107											No Accessible ACM			
		Area Behind													
М	108	Chambers										No Accessible ACM	<u>[                                    </u>		
		Area Behind													
М	109	Chambers										No Accessible ACM			
		Area Behind													
М	110	Chambers										No Accessible ACM			
		Area Behind	ĺ												
М	111	Chambers										No Accessible ACM	1		
	4.0=	Area Behind	ĺ												
M	112	Chambers										No Accessible ACM	-		
M	S-1	Stairwell										No Accessible ACM	1		
M	113/1A											No Accessible ACM	1		
M	113/1B											No Accessible ACM No Accessible ACM	1		
M M	113/1C 113/1D								+			No Accessible ACM	+		
M	113/1D 113/1E								+			No Accessible ACM	+		
M	113/1E 113/1F								+			No Accessible ACM	+		
IVI	IIJ/IF		I	l .	1		I		1		C) City Hall Namb Jan 2045	IND ACCESSIBLE ACIVI			2 - 140

<b></b>	11.51 -2								Е	Bersch As	sociates Ltd.				
City H	/ Hall North  SAMPLE DATA														
-	_	1		•					, ,		<b>B</b> 10 1	1	In	T	
Eloor	Room Number	Use	SAMPLE REP	Sample ID	Date DD/MM/YY	Asbestos Type	% of	Tradename ACM Product	Condition	Driority	Description of Sample Location	Asbestos Content In Area	Potential for Disturbance	Action	Comments
M	113/1G	036	SAINIFLE REF	טו	DD/WIW/TT	турс	Aspesios	Acimi i loudet	Condition	FITOTILY	Cample Eccation	No Accessible ACM	Disturbance	Action	Comments
M	113/1G 113/1H											No Accessible ACM			
M	113/1H 113/2A											No Accessible ACM			
M	113/2A 113/2B											No Accessible ACM			
M	113/2B								<del>                                     </del>			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	113/3F	Collections										No Accessible ACM			
M	113/3G	Collections							1			No Accessible ACM			
M	113/3H	Collections										No Accessible ACM			
М	113/4A	Office										No Accessible ACM			
М	113/4B	Office										No Accessible ACM			-
М	113/4C	Office										No Accessible ACM			-
М	113/4D	Office										No Accessible ACM			
М	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			
M	113/5C	Office										No Accessible ACM			
M	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			
M	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			
М	113/7C	Office										No Accessible ACM			 
М	113/7D	Office										No Accessible ACM			 
М	113/7E	Office										No Accessible ACM			
M	113/7F	Office										No Accessible ACM			
M	113/7G	Office										No Accessible ACM			
М	113/7H	Office										No Accessible ACM			
M	113/71	Office										No Accessible ACM			
M	113/7J	Office										No Accessible ACM			
M	113/8A	Office										No Accessible ACM			
M	113/8B	Office										No Accessible ACM			
М	113/8C	Office										No Accessible ACM			
М	113/8D	Office										No Accessible ACM			
M	113/9A	Office				<u> </u>	<u> </u>					No Accessible ACM			

<u> </u>	Hall North														
City H	all North						0455	DI E DATA							
1	Dec		CAMPLE	Sample	Deta	Ashasts -		PLE DATA	1	1	Decerie:f	Ashasta Cantant	Detential fac		T
Floor	Room Number	Use	SAMPLE REP	Sample	Date DD/MM/YY	Asbestos Type	% of Asbestos	Tradename ACM Product	Condition	Priority	Description of Sample Location	Asbestos Content In Area	Disturbance	Action	Comments
М	113/9B	Office									•	No Accessible ACM			
М	113/9C	Office										No Accessible ACM			
М	113/9D	Office										No Accessible ACM			
М	113/9E	Office										No Accessible ACM			
М	113/9F	Office										No Accessible ACM			
М	114A											No Accessible ACM			
M	114B											No Accessible ACM			
М	115	Office										No Accessible ACM			
М	116	Office										No Accessible ACM			
М	117	Office										No Accessible ACM			
M	118	Office										No Accessible ACM			
M	119	Office										No Accessible ACM			
М	120	Office										No Accessible ACM			
M	121	Office										No Accessible ACM			
М	122	Office										No Accessible ACM			
М	123	Office										No Accessible ACM			
М	124	Office			1							No Accessible ACM			
М	125	Office										No Accessible ACM			
М	126	Office										No Accessible ACM			
М	127/1A											No Accessible ACM			
M	127/1B											No Accessible ACM			
M	127/1C	0 11										No Accessible ACM			
M	127/1D	Corridor										No Accessible ACM			
M	127/1E											No Accessible ACM			
M	127/1F											No Accessible ACM			
M	127/2A											No Accessible ACM			
M	127/2B											No Accessible ACM No Accessible ACM			
M	127/2C 127/2D											No Accessible ACM			
M	127/2D 127/2E											No Accessible ACM			
M M	127/2E 127/2F	Office										No Accessible ACM			
M	127/2F 127/2G	Office										No Accessible ACM			
M	127/2G 127/3A	Office			-							No Accessible ACM			
M	127/3A 127/3B	Office										No Accessible ACM			
M	127/3B	Office										No Accessible ACM			
M	127/4A 127/4B	Office			+							No Accessible ACM	+		
M	127/4D	Office			+							No Accessible ACM	+		
M	128/1A	Office			+							No Accessible ACM	+		
M	128/1B	2.1100			†							No Accessible ACM	†		
M	128/1C	Office			†							No Accessible ACM	†		
M	128/1D	Office			†							No Accessible ACM	†		
M	128/1E	Corridor			1							No Accessible ACM			
M	128/2A				1							No Accessible ACM			
М	128/2B	Office			†							No Accessible ACM	† †		
М	128/2C	Office			†							No Accessible ACM	† †		
М	128/2D	Office			†							No Accessible ACM	† †		
М	128/2E	Office										No Accessible ACM			
М	129	Office										No Accessible ACM			
М	130											No Accessible ACM			
М	131	Bathroom										No Accessible ACM			
М	132	Bathroom										No Accessible ACM			
М	133	Bathroom										No Accessible ACM			

City LI	all Marth									erscii /	Associates Ltd.				
Сіту п	all North		I				CAM	PLE DATA							
1	Room		SAMPLE	Sample	Date	Asbestos	% of	Tradename			Description of	Asbestos Content	Detential for		T
Floor	Number	Use	SAMPLE REP		DD/MM/YY		Ashestos	ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments
M	134	Bathroom	OAIMI EE KEI	15	DD/MIN/TT	.,,,,,	ASSESTEDS	7.0	Condition	Hority		No Accessible ACM	Disturburioc	Action	
M	135	Corridor										No Accessible ACM			
M	136	Vestibule										No Accessible ACM			
M	E-1	Elevator										No Accessible ACM			
		Lievatoi							<del> </del>		Room #324	TTO 7 TOCOGOIDIO 7 TOTAL			
								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
М	138		Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile		Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
			Gampio Mop	2.07.02.21		J, J.	. 070		0000		Room #324	VIII.J. 7 10200100 VIII0	2011	manage	
								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
М	139		Sample Rep	B15-ASB 21	22-Jan-15	Chrysotile		Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
M	140		Gampio Mop	2.07.02.21		J, J.	. 070		0000		Diamina irrinto opea i atteni	No Accessible ACM	2011	manage	
M	S-2	Stairwell							+			No Accessible ACM			
M	141	J.a II o							+			No Accessible ACM			
М	142	Storage										No Accessible ACM			
M	143	Corridor		1					1			No Accessible ACM			
M	144	Corridor										No Accessible ACM			
M	145	Corridor							+ +			No Accessible ACM			
M	146	Corridor										No Accessible ACM			
		2nd Floor North										11071000001010710111			
2	200/1	Hallway										No Accessible ACM			
2	200/1	Tidiiway										No Accessible ACM			
2	200/2A								+			No Accessible ACM			
2	200/3	Corridor										No Accessible ACM			
	200/0	Comaci									Room # 2nd Floor Corridor	TTO 7 TOOGGOIDIO 7 TOWN			
											- Lineal Pipe Insulation Above				
						None		Lineal Pipe			Ceiling Tile Adjacent Girls				
2	200/4	Vestibule	Sample	B15-ASB.6	21- Jan-15			Insulation			Washroom	No Accessible ACM			
2	201	Vestibule	Gampic	B10710B.0	21 0011 10	Detected		modiation			- VV dSI II OSIII	No Accessible ACM			
2	201B											No Accessible ACM			
2	202	Corridor										No Accessible ACM			
2	202B	Office										No Accessible ACM			
2	203	000										No Accessible ACM			
2	204											No Accessible ACM			
2	205	Bathroom										No Accessible ACM			
2	206			1								No Accessible ACM			
2	207											No Accessible ACM			
2	208											No Accessible ACM			
- 1						None					Area #209				
2	209/1A		Sample	B15-ASB.5	21-Jan-15			Fireproofing			- Spray On Fire-Proofing	No Accessible ACM			
2	209/1B			1 .52.0				-1			, ,, , , , , , , , , , , , , , , , , , ,	No Accessible ACM			
2	209/1C			1								No Accessible ACM			
2	209/1D											No Accessible ACM			
2	209/1E											No Accessible ACM			
											Room #324	,			
								Vinyl Asbestos			- 1' x 1' Floor Tile Brown With				
2	210	Office	Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile		Tile	Good	3	Brown & White Spec Pattern	Vinyl Asbestos Tile	Low	Manage	
2	211	Office	2 2p.10 . 1.0p			2111,000.110	. 3,0	-				No Accessible ACM			
2	212	2.1100		1					1			No Accessible ACM			
2	213			1								No Accessible ACM			
2	214											No Accessible ACM			
2	215	Storage										No Accessible ACM			
2	216	Bathroom		1					+ +			No Accessible ACM			
	210	Datificom	I	L	i	i			<u> </u>		IC) City Hall North Lon 2015	110 / 1000033IDIE AOIVI	<u> </u>		<u> </u>

C:41	Iall Mauth								В	erscn A	ssociates Ltd.				
City F	Hall North		1				CAM	DIFDATA							
	D		CAMPLE	Sample	Doto I	Ashastas		PLE DATA	1		Description of	Ashastas Cantant	Detential for		T
Floor	Room Number	Use	SAMPLE SAMPLE REP	Sample	Date DD/MM/YY	Asbestos Type	% of Ashestos	Tradename ACM Product	Condition I	Priority	Description of Sample Location	Asbestos Content In Area	Disturbance	Action	Comments
2	217	Bathroom	O, IIII EE KEI		22,11111,11	-71	710000100		oona	Horney		No Accessible ACM	Diotal Dalloo	71011011	
2	S-1	Stairwell										No Accessible ACM			
2	218/1A	Office										No Accessible ACM			
2	218/1B	Office										No Accessible ACM			
2	218/1C	Office										No Accessible ACM			
2	219/1A											No Accessible ACM			+
2	219/1B											No Accessible ACM			
2	219/1C											No Accessible ACM			
2	220	Admin Hallway										No Accessible ACM			
2	221	,										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									D #004	No Accessible ACM			
								VCI A -bt			Room #324 - 1' x 1' Floor Tile Brown With				
_	2204		Camania Dan	D4E ACD 04	00 lan 45	Ch m ra atila		Vinyl Asbestos Tile	Caad	2		Visual Ashastas Tile	1	Managa	
2	229A		Sample Rep	B15-ASB.21	22-Jan-15	Chrysotile	1-5%	Tile	Good		Brown & White Spec Pattern Room #324	Vinyl Asbestos Tile	Low	Manage	-
								Vinul Ashastas			- 1' x 1' Floor Tile Brown With				
2	229B		Sample Rep	D15 ACD 21	22 Jan 15	Chrysotilo	1-5%	Vinyl Asbestos Tile	Good	3		Vinyl Asbestos Tile	Low	Manage	
2	230	Flex Area	Sample Kep	B13-A3B.21	22-Jan-15	Chrysotile	1-5%	Tile	Good	3	Blown & Wille Spec Fallem	No Accessible ACM	LOW	Manage	+
	230	I IEA AIGA										140 /100e33ible /10IVI			+
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			<u> </u>
2	233	5.5										No Accessible ACM			<u> </u>
_												3.1.2.2.2.3.3.07.3111			<u> </u>
2	235	Committee Room 'B'										No Accessible ACM			
2	236/1A	Closet										No Accessible ACM			
2	236/1B											No Accessible ACM			1
2	236/1C											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	238/1F											No Accessible ACM			

Citor	Bersch Associates Ltd. Hall North														
сіту Н	iali NORTN		1				CVM	PLE DATA							
	Room		SAMPLE	Sample	Date	Asbestos	% of	Tradename			Description of	Asbestos Content	Detential for		T
Floor	Number	Use	SAMPLE REP		DD/MM/YY	Type	Ashestos	ACM Product	Condition	Priority	Sample Location	In Area	Disturbance	Action	Comments
2	239/1A		O/ LLLL ELL TREE		DD/IIIII/ 1 1	-71	710000100		Condition		Campro Location	No Accessible ACM	Diotarbanco	71011011	
2	239/1B											No Accessible ACM			
2	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			
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	1									No Accessible ACM			
2	259	Office	1									No Accessible ACM			
2	260	Office	1									No Accessible ACM			
2	261	Office										No Accessible ACM			
2	262	Office										No Accessible ACM			
2	263	Office										No Accessible ACM			
											Room #324				
	25-	o						Vinyl Asbestos		_	- 1' x 1' Floor Tile Brown With		1		
2	265	Office	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				
			1					Vinyl Asbestos			- 1' x 1' Floor Tile Brown With	l			
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	F	1									No Accessible ACM			
2	E-1	Elevator	1									No Accessible ACM			
2	270	Office	1									No Accessible ACM			
2	271	Office		1							IO) Otto Hall Marth. Jan 2045	No Accessible ACM			

Ciarri	Bersch Associates Ltd. Hall North														
City	iali North		T				SVW	PLE DATA				1			
	Room		SAMPLE	Sample	Date	Asbestos	% of	Tradename			Description of	Asbestos Content	Potential for		
Floor	Number	Use	SAMPLE REP		DD/MM/YY	Type	Asbestos	ACM Product	Condition Price	ority	Sample Location	In Area	Disturbance	Action	Comments
		3rd Floor North									·				
3	300/1A	Hallway										No Accessible ACM			
3	300/1B	Corridor										No Accessible ACM			
											Infrastructure Services				
						None					- Duct Insulation On Large				
3	301/1A	Office	Sample	B15-ASB.7	21-Jan-15	Detected		Duct Insulation			Silver Duct Above Ceiling Tile	No Accessible ACM			
3	301/1B	Office	·									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	301/1F	Corridor										No Accessible ACM			
3	301/2A	Office										No Accessible ACM			
3	301/2B	Office										No Accessible ACM			
3	301/2C	Office										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	301/2H	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											No Accessible ACM			
3	301/4F	011										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 Office										No Accessible ACM	1		
3	301/5D 301/5E	Office	1		<del> </del>				<del>                                     </del>			No Accessible ACM	+ +		
3	301/5E 301/5F	Office	-									No Accessible ACM No Accessible ACM			
3	301/5F 301/5G	Office	-									No Accessible ACM			
	301/5G 301/5H	Office	1		-							No Accessible ACM	+		
3	301/5H 301/6A	Office	1		-							No Accessible ACM	+		
3	301/6A 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			<u> </u>							No Accessible ACM	+		
3	301/6F	Office			<u> </u>							No Accessible ACM	+		
3	301/6G	Office			<u> </u>							No Accessible ACM	+		
3	301/6H	Office	1		<del> </del>				<del>                                     </del>			No Accessible ACM	+		
3	301/6J	Corridor	1		<del> </del>				<del>                                     </del>			No Accessible ACM	+		
3	301/03 301/7A	Office			<u> </u>							No Accessible ACM	+		
3	301/7B	Office	1		<del> </del>				<del>                                     </del>			No Accessible ACM	+		
3	301/7C	Office	1		<del> </del>				<del>                                     </del>			No Accessible ACM	+		
			1		+				<del>                                     </del>				+ +		
3	301/7C 301/7D	Office										No Accessible ACM			

#### Bersch Associates Ltd.

<b></b>									В	ersch As	sociates Ltd.				
City H	all North		_				04	DIFDATA							
-	D		CAMPLE	01-	D-1-	A - I 4		PLE DATA	1	1	December 1 and 1	A-b1 011	D-tti-lt		
Floor	Room Number	Use	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
3	301/8A	Office			22,	71.	710200100				,	No Accessible ACM	2.000.000	7.0	
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	<b>.</b>										No Accessible ACM			
3	S-1	Stairwell										No Accessible ACM	<b> </b>		
3	305	Office										No Accessible ACM	<b> </b>		
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 Office										No Accessible ACM No Accessible ACM			
3	310														
3	311 312	Office Office	+									No Accessible ACM No Accessible ACM	<del>                                     </del>		
3	312	Office										No Accessible ACM			
3	314	Office	1									No Accessible ACM	<del>                                     </del>		
3	314	Bathroom										No Accessible ACM			
3	315											No Accessible ACM			
	317	Bathroom Bathroom										No Accessible ACM			
3	317											No Accessible ACM			
3		Bathroom	+										<del>                                     </del>		
3	319/1A						<u> </u>					No Accessible ACM			

#### Bersch Associates Ltd.

City I	Hall North														
							SAN	IPLE DATA							
	Room		SAMPLE	Sample	Date	Asbestos	% of	Tradename			Description of	Asbestos Content	Potential for		
Floor	Number	Use	SAMPLE REP	ID	DD/MM/YY	Type	Asbestos	ACM Product	Condition	Priorit	ty 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			
											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			

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

March 24, 2020

Client: City of Saskatoon

3<sup>rd</sup> Avenue North Saskatoon, SK S7K 0K1

Attention: Blaine Knoblauch

File Number: B67PDC24J

#### <u>Subject: Pre-Renovation/Demolition Assessment – City Hall</u>

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 - 3<sup>rd</sup> 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.

 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 non-friable 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,

Wes Berschiminsky, EP Bersch Consulting Ltd. B67PDC24J – CityHall

OROZ

## **Appendix I**

**Bulk Sample Analysis Results** 

## **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

**Note**: 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.

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

**Note**: 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.

# **Appendix II**

Site Photos

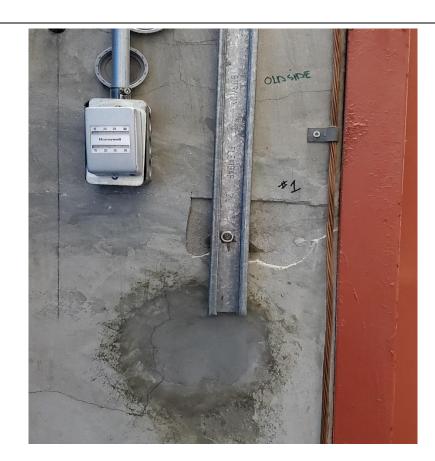
#### Photo ID

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 <sup>nd</sup> Floor Women's Washroom	No Asbestos Detected		EMSL/WB
2	2019/07/12	Drywall Mud Compound	2 <sup>nd</sup> Floor Women's Washroom Divider Wall	No Asbestos Detected		EMSL/WB
3	2019/07/12	Ceramic Tile Adhesive	3 <sup>rd</sup> Floor Women's Washroom Divider Wall	No Asbestos Detected		EMSL/WB
4	2019/07/12	Drywall Mud Compound	3 <sup>rd</sup> Floor Women's Washroom Ceiling – Composite	No Asbestos Detected		EMSL/WB
5	2019/07/12	Drywall Mud Compound	3 <sup>rd</sup> Floor Men's Washroom Wall	No Asbestos Detected		EMSL/WB

**Note**: 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.

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

**Note**: 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.

#### 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 3<sup>rd</sup>, 2016

City of Saskatoon Infrastructure Services Department City Hall North 222 3<sup>rd</sup> 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<sup>th</sup>, 2016 located at 222 3<sup>rd</sup> Avenue North, Saskatoon, SK. The samples were analyzed for the identification of asbestos. Asbestos <u>was</u> 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

### Bersch & Associates Ltd.

B67BAI30F

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	<ul><li>105 - Council Chambers Ceiling Space</li><li>- Duct Mastic Adj. 107 Ceiling Space Access Ladder - Red</li></ul>	Chrysotile	5%	WB
3b	30-Sep-16	<ul><li>105 - Council Chambers Ceiling Space</li><li>- Duct Mastic Adj. 107 Ceiling Space Access Ladder - Yellow</li></ul>	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 27<sup>th</sup>, 2017

The City of Saskatoon 222 3<sup>rd</sup> 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 23<sup>rd</sup>, 2017 from North City Hall, Saskatoon, SK. The samples were analyzed in our laboratory for the identification of asbestos. Asbestos **was not** 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.

B67BAA23G

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 10<sup>th</sup>, 2017

The City of Saskatoon 222 3<sup>rd</sup> 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 23<sup>rd</sup>, 2017 from the Server Room at City Hall North, located at 222 3<sup>rd</sup> 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

B67BAB23G

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-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 3<sup>rd</sup> 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

B67BAE17G

244-2002 Quebec Avenue Saskatoon, SK S7K 1W4

**BULK SAMPLE ANALYSIS REPORT** 

PROJECT NO: B67.17

CLIENT: CITY OF SASKATOON

CONTACT: KIMBERLY RUDD LOCATION: CITY HALL NORTH

NO.	DATE	SAMPLE INFORMATION	ASBESTOS	%	ANALYST
1	17-May-17	229a/b - Drywall Mud Compound	No Asbestos Detected		WB