Final - Phase One Environmental Site Assessment

Industrial, Commercial and Residential Properties

Barton-Tiffany Redevelopment

Submitted to:
City of Hamilton
Public Works Department
Engineering Services – Waterfront Development
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Hamilton, Ontario

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IMPORTANT NOTICE

This report was prepared exclusively for the City of Hamilton by Amec Foster Wheeler Environment & Infrastructure (Amec FW). The quality of information, conclusions and estimates contained herein is consistent with the level of effort involved in Amec FW's services and based on: i) information available at the time of preparation, ii) data supplied by outside sources and iii) the assumptions, conditions and qualifications set forth in this report. This report is intended to be used by the City of Hamilton only, subject to the terms and conditions of its contract with Amec FW. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

1.0 EXECUTIVE SUMMARY

Amec Foster Wheeler Environment & Infrastructure, a Division of Amec Foster Wheeler Americas Limited ("Amec FW"), was retained by the City of Hamilton to conduct a Phase One Environmental Site Assessment (ESA) of former residential and industrial properties located on five (5) separate blocks in Hamilton, Ontario. The municipal addresses of the properties include 112, 115-125, 128, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West; 4, 10, 16, 22, 26, 28 and 30 Tiffany Street; 239 Caroline Street North; 228 Hess Street North; and 231 Stuart Street, hereafter referred to as the Phase One Property. The City of Hamilton retained Amec FW to provide an evaluation of known and possible environmental issues at the Phase One Property which they are considering selling. This Phase One ESA was carried out in accordance with the Terms of Reference provided in Amec Foster Wheeler's proposal dated 18 August 2017.

For the purpose of writing this report, the Phase One Property was divided into 'zones' covering the properties on each municipal block as follows:

- **Zone A** – 231 Stuart St/249 Hess St N
- **Zone B** – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N
- **Zone C** – 128 Barton St W
- **Zone D** – 4, 10, 16, 22, 26, 28 and 30 Tiffany St, 112 Barton St W
- **Zone E** – 115-125 Barton St W

A Phase One ESA is defined as a systematic, qualitative process to assess the environmental condition of a Site based on its historical and current use. The City of Hamilton retained Amec Foster Wheeler to provide an evaluation of known and possible environmental issues at the Site which they are considering selling.

A Phase One ESA is defined as a systematic qualitative process to assess the environmental condition of a property based on its historical and current use. This Phase One ESA was conducted in accordance with the requirements prescribed in Schedule D – Phase One Environmental Site Assessments as stipulated under *Ontario Regulation 153/04 Records of Site Condition, Part XV.1 of the Environmental Protection Act* (EPA), as amended (1) ("*O. Reg.153/04"*), and will support the filing of a Record of Site Condition (RSC).

Under the supervision of Jeff Carson, P.Eng, Qualified Person, Tracey Schranz, B.E.S and Kate Slaman, B.Sc. of Amec Foster Wheeler conducted a reconnaissance of the Phase One Property on 20 and 21 September 2017 to evaluate possible issues and to assess whether any surrounding land uses may have and/or are currently impacting the environmental condition of the Phase One Property. On the days of the reconnaissance the weather was ~30°C and sunny. Ground cover conditions at the time of the Site reconnaissance were clear and generally dry.

Based on the Phase One ESA completed by Amec Foster Wheeler conducted on 20 and 21 September 2017, there is evidence of potentially contaminating activities related to the Phase One Study Area:

Zone A – 231 Stuart St/249 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC A1 Table 3 Exceedences of Arsenic and PAHs in Soil; and PHC F2, F3 and F4 in Ground Water	Central	Other – Confirmed Soil Exceedances	Zone A On-Site	As PAHs	Soil
		Other – Confirmed Ground Water Exceedances		PHCs	Ground Water
APEC A2 Resin Used in Sand Castings	Entire Site	2 – Adhesives and Resins Manufacturing, Processing and Bulk Storage	Zone A On-Site	VOCs CPs ABNs Dioxins/Furans, PCDDs/PCDFs (Furans)	Soil Ground Water
APEC A3 Former Asphalt Manufacturing Facility	Entire Site	5 - Asphalt and Bitumen Manufacturing	Zone A On-Site	PHCs PAHs Metals As, Sb, Se Cr (VI) BTEX	Soil Ground Water
APEC A4 Petroleum Product Storage: a) Inferred out of use AST b) Former Oil Drum Storage c) Two 1,138 L Fuel Oil Tanks	West Central Southeast	28 - Gasoline and Associated Products Storage in Fixed Tanks	Zone A On-Site	PHCs PAHs BTEX	Soil Ground Water
APEC A5 Various Stockpiles/Fill	East and West Portions	30 - Importation of Fill Material of Unknown Quality	Zone A On-Site	Metals As, Sb, Se Cr (VI) SAR EC PAHs PCBs PHCs BTEX	Soil Ground Water
APEC A6 Historical Wire Cutting	Northeast	32 - Iron and Steel Manufacturing and Processing	Zone A On-Site	Metals As, Sb, Se Cr (VI)	Soil Ground Water

Zone A – 231 Stuart St/249 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
				PHCs VOCs	
APEC A7 Spill of 50 Drums of Unknown Product Inferred Hazardous Material Storage	Central and North Portion	33 - Metal Treatment, Coating, Plating and Finishing	Zone A On-Site	Metals As, Sb, Se Cr (VI) CN- Hg PHCs VOCs PAHs PCBs	Soil Ground Water
APEC A8 Rail Siding	Western boundary	46 - Rail Yards, Tracks and Spurs	Zone A On-Site	PHCs Metals As, Sb, Se Cr (VI) BTEX CPs	Soil
APEC A9 Former Lumber Storage	Central Portion	59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Zone A On-Site	Metals As, Sb, Se Cr (VI) BTEX CPs ABNs	Soil Ground Water
APEC A10 Former Coal Yard and Crushing Facility	Entire Site Bulk Storage Noted at North, West and Southeast. Coal crusher at southeast.	Other – Bulk Coal and Coke Storage Coal Grinding, Mixing, Bagging	Zone A On-Site	PAHs PHCs BTEX	Soil Ground Water
APEC S7 Former Lumber Yard	South and Western Portions (Adjacent south and west of Zone A)	59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Off-Site	Metals As, Sb, Se Cr (VI) BTEX CPs ABNs	Soil Ground Water
APEC S8 Steel Co. of Canada, Hamilton Steel & Iron Co. Ltd., Hamilton Forging Co.	South and Western Portions (Adjacent south and west of Zone A, 238-242 Queen St N)	32 - Iron and Steel Manufacturing and Processing 18 - Electricity Generation, Transformation and Power Stations	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water

Zone A – 231 Stuart St/249 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
				PCBs Dioxins/Furans, PCDDs/PCDFs	
APEC S9 Rail Yards and Historical Roundhouse and Adjacent Rail Siding	North and West Portions (~20 m north of Zone A with rail siding adjacent west)	46 - Rail Yards, Tracks and Spurs 52 - Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation system 59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PCBs PAHs ABNs CPs	Soil Ground Water
APEC S10 Burlington Bay Infilling	North Portion (~20 m west and north of Zone A)	30 - Importation of Fill Material of Unknown Quality	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PCBs PAHs ABNs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S21 Steel Company of Canada Limited and Other Metal Manufacturing Companies	South and Western Portions (~75 m west of Zone A, 243 Queen St N)	18 - Electricity Generation, Transformation and Power Stations 28 - Gasoline and Associated Products Storage in Fixed Tanks 32 - Iron and Steel Manufacturing and Processing	Off-Site	PHCs Metals As, Sb, Se Cr (VI) VOCs PAHs PCBs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S22 Swift Devices Ltd., Thomson-Gordon	South Portion (~100 m south of Zone A, 234-236 Queen St N)	34 - Metal Fabrication	Off-Site	PHCs Metals As, Sb, Se VOCs	Soil Ground Water

Zone A – 231 Stuart St/249 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC S29 Steel Co. of Canada	South and Western Portions (~125 m southwest of Zone A, 237 Queen St N)	32 - Iron and Steel Manufacturing and Processing	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PAHs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water

Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC B1 Trucking and Repairs Facility and Autobody Shop	Southwest Portion (228 Hess St N)	10 - Commercial Autobody Shops 11 - Commercial Trucking and Container Terminals 39 - Paints Manufacturing, Processing and Bulk Storage Other – Bulk Coal and Coke Storage	Zone B On-Site	PHCs VOCs Metals As, Sb, Se PAHs	Soil Ground Water
APEC B2 Vehicle Maintenance	Southeast Corner (162 Barton St W)	10 - Commercial Autobody Shops	Zone B On-Site	PHCs VOCs Metals As, Sb, Se	Soil Ground Water
APEC B3 Loth Auto Collision and Painting	Southwest Portion (182 Barton St W)	10 - Commercial Autobody Shops	Zone B On-Site	PHCs VOCs Metals As, Sb, Se	Soil Ground Water
APEC B4 Petroleum Product Storage and Retail Fuel Outlet	North - Next to Historical Office Oil House - Central South of Foundry (239 Caroline St N) Residential Fuel Oil (Along Barton St W)	28 - Gasoline and Associated Products Storage in Fixed Tanks	Zone B On-Site	PHCs Metals (Lead) PAHs BTEX	Soil Ground Water

Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
	Southwest Corner (182, 184 and 198 Barton St W)				
APEC B5 Rail Sidings	Northwest to east side Northeast corner Central portion (239 Caroline St N)	46 - Rail Yards, Tracks and Spurs	Zone B On-Site	PHCs Metals As, Sb, Se Cr (VI) BTEX CPs	Soil
APEC B6 Can Am Plastics NA Inc. and Junk Yard	Inferred Southeast Portion (259 Caroline St N)	43 - Plastics (including Fibreglass) Manufacturing and Processing 49 - Salvage Yard, including automobile wrecking	Zone B On-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) ABNs CPs PCBs PAHs	Soil Ground Water
APEC B7 Historical Foundries and Metal Recyclers	North, Central and Part of Southern Portion (239 Caroline St N)	30 - Importation of Fill Material of Unknown Quality 32 - Iron and Steel Manufacturing and Processing 34 - Metal Fabrication 49 - Salvage Yard, including automobile wrecking 55 - Transformer Manufacturing, Processing and Use Other - Tarring (Including Tar Tank and Piping) Other - Bulk Coal and Coke Storage Other – Hazardous Dust Confirmed by TCLP	Zone B On-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) EC SAR PCBs PAHs ABNs CPs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S1 Former Coal Tar Facility and	Southeast Portion (~180 m south of Zone B, Southeast	8 - Chemical Manufacturing, Processing and Bulk Storage 9 - Coal Gasification	Off-Site	Metals As, Sb, Se Cr (VI)	Soil Ground Water

Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
Chemical Manufacturer	corner of Sheaffe St and Caroline St N)	28 - Gasoline and Associated Products Storage in Fixed Tanks		VOCs PHCs ABNs CPs PAHs pH	
APEC S2 PAH and DNAPL Identified in Ground Water at 6.1 m Through Previous Assessments by Others	South and Eastern Portion (~20 m east of Zone B, 128 Barton St W)	Other – Confirmed Ground Water Contamination	Off-Site	PHCs PAHs VOCs CPs ABNs	Ground Water
APEC S8 Steel Co. of Canada, Hamilton Steel & Iron Co. Ltd., Hamilton Forging Co.	Western Portion (~20 m west of Zone B, 238-242 Queen St N)	32 - Iron and Steel Manufacturing and Processing 18 - Electricity Generation, Transformation and Power Stations	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PAHs PCBs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S9 Rail Yards and Historical Roundhouse	Northern Portion (~20 m north of Zone B)	46 - Rail Yards, Tracks and Spurs 52 - Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation system 59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PCBs PAHs ABNs CPs	Soil Ground Water
APEC S12 Ram Refined Alloys Ltd.	Southern Portion (~20 m south of Zone B, 167 Barton St W)	33 - Metal Treatment, Coating, Plating and Finishing	Off-Site	VOCs Metals As, Sb, Se Cr (VI) PHCs PAHs	Soil Ground Water

Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC S15 Binns Welding & Fabrication	Southwest Portion (~30 m southwest of Zone B, 221 Barton St W)	34 - Metal Fabrication	Off-Site	VOCs Metals As, Sb, Se Cr (VI) PHCs PAHs	Soil Ground Water
APEC S20 Risidore Brothers, Heavy Machinery Movers A. Cupido Haulage	Southwest Portion (~60 m southwest of Zone B, 215 Hess St N)	11 - Commercial Trucking and Container Terminals 28 - Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	PHCs Metals As, Sb, Se BTEX	Soil Ground Water
APEC S23 Cartage Companies	Southern Portion (~85 m south of Zone B, 15 Windsor St)	11 - Commercial Trucking and Container Terminals 28 - Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	PHCs Metals As, Sb, Se BTEX	Soil Ground Water
APEC S24 Sheet Metal Companies	Southwest Portion (~90 m southwest of Zone B, 206-208 Queen St N)	34 - Metal Fabrication	Off-Site	PHCs Metals As, Sb, Se VOCs	Soil Ground Water
APEC S25 Niagara Auto Body	Southwest Portion (~90 m southwest of Zone B, 206-208 Queen St N)	10 - Commercial Autobody Shops	Off-Site	PHCs Metals As, Sb, Se Cr (VI) VOCs	Soil Ground Water
APEC S26 Thomson-Gordon Ltd., Plant No. 2	Southwest Portion (~90 m southwest of Zone B, 208 Queen St N)	32 - Iron and Steel Manufacturing and Processing	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PAHs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S30 Thomson-Gordon Ltd. Rubber and Asbestos Packing	Southwest Portion (~140 m southwest of Zone B, 200 Hess St N)	28 - Gasoline and Associated Products Storage in Fixed Tanks 47 - Rubber Manufacturing and Processing	Off-Site	VOCs PHCs Metals As, Sb, Se	Soil Ground Water

Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**

Zone C – 128 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC C1 Table 3 Exceedences of PAHs, BTEX and PHC in Soil and PAHs, PHC, Benzene and Sodium in Ground Water	Southern Portion	Other – Confirmed Soil and Ground Water Exceedences	Zone C On-Site	PAHs PHCs BTEX Na	Soil Ground Water
APEC C2 Widespread Surficial Metals Exceedences	Entire Site	Other – Confirmed Surficial Soil Metals Contamination	Zone C On-Site	Metals As, Sb, Se Cr (VI)	Soil Ground Water
APEC C3 PAH and DNAPL Identified in Ground Water at 6.1 m Through Previous Assessments by Others	Southern Portion	9 - Coal Gasification Other – Confirmed Ground Water Contamination	Zone C On-Site	PHCs PAHs VOCs CPs ABNs	Ground Water
APEC C4 Former Foundry and Manufacturer	Former Facility	2 – Adhesives and Resins Manufacturing, Processing and Bulk Storage	Zone C On-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PCBs PAHs ABNs CPs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
	Unknown (Associated with Former Facility)	20 - Explosives and Ammunition Manufacturing, Production and Bulk Storage			
	Former Facility	26 - Foam and Expanded Foam Manufacturing and Processing			
	Oil House and Grease Room at North of Former Facility Possible Former Underground	28 - Gasoline and Associated Products Storage in Fixed Tanks			

Zone C – 128 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
	Storage Tank at Northwest				
	Former Facility	29 - Glass Manufacturing			
	Entire Site	32 - Iron and Steel Manufacturing and Processing			
	Entire Site	33 - Metal Treatment, Coating, Plating and Finishing			
	Entire Site	34 - Metal Fabrication			
	North of Former Building	39 - Paints Manufacturing, Processing and Bulk Storage			
APEC C5 Stockpiled Fill	Southern Portion Boundary along Tiffany St N and Barton St W	30 - Importation of Fill Material of Unknown Quality	Zone C On-Site	PHCs Metals As, Sb, Se Cr (VI) SAR EC PAHs PCBs VOCs	Soil Ground Water
APEC C6 Former Rail Sidings	North to Southeast Portions	46 - Rail Yards, Tracks and Spurs	Zone C On-Site	PHCs Metals As, Sb, Se Cr (VI) BTEX CPs	Soil
APEC C7 Historical Transformers	Southwest Corner Northeast of Former Facility	55 - Transformer Manufacturing, Processing and Use	Zone C On-Site	PCBs PHCs BTEX	Soil Ground Water
APEC C8 Bulk Coal Storage	Northeast	Other – Bulk Coal Storage	Zone C On-Site	PAHs PHCs BTEX	Soil Ground Water
APEC S3 Identified PCB and Metals Exceedences in Soil at Former Auto Wreckers	Northeast Portion (~20 m east of Zone C, 107 Stuart St, 279 Bay St N)	49 - Salvage Yard, including automobile wrecking	Off-Site	PCBs Metals As, Sb, Se Cr (VI)	Soil

Zone C – 128 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC S6 Auto Wreckers	Northeast Portion (~20 m east of Zone C, 265-279 Bay N)	49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water
APEC S9 Rail Yards and Historical Roundhouse	Northern Portion (~20 m North of Phase One Property)	46 - Rail Yards, Tracks and Spurs 52 - Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation system 59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PCBs PAHs ABNs CPs	Soil Ground Water
APEC S27 Hamilton Gaslight Company / United Gas & Fuel Co. of Hamilton Ltd.	South Portion (~240 m southeast of Zone C, 114 Bay St N, 141-147 Park St N, 69-99 Mulberry St and 100 Mulberry St)	9 - Coal Gasification	Off-Site	Metals As, Sb, Se VOCs PHCs CPs ABNs PAHs pH	Soil Ground Water

Zone D – 4, 10, 16, 22, 26, 28, 30 and 32 Tiffany St, 112 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC D1 Varga's Garage	Southeast Corner (112 Barton St W)	10 - Commercial Autobody Shops	Zone D On-Site	PHCs VOCs Metals As, Sb, Se Cr (VI)	Soil Ground Water

Zone D – 4, 10, 16, 22, 26, 28, 30 and 32 Tiffany St, 112 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC D2 68 m^3 Stockpile	North Portion (30 Tiffany St)	30 - Importation of Fill Material of Unknown Quality	Zone D On-Site	PHCs Metals As, Sb, Se BTEX	Soil
APEC D3 Former Fuel Oil Tanks	Uncertain (Associated with Residential Dwellings)	28 - Gasoline and Associated Products Storage in Fixed Tanks	Zone D On-Site	PHCs PAHs BTEX	Soil Ground Water
APEC S1 Former Coal Tar Facility and Chemical Manufacturer	Central and South Portion (~180 m south of Zone D, southeast corner of Sheaffe St and Caroline St N)	8 - Chemical Manufacturing, Processing and Bulk Storage 9 - Coal Gasification 28 - Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	Metals As, Sb, Se Cr (VI) VOCs PHCs ABNs CPs PAHs pH	Soil Ground Water
APEC S2 PAH and DNAPL Identified in Ground Water at 6.1 m Through Previous Assessments by Others	Central and South Portion (~20 m west of Zone D, 128 Barton St W)	Other - Confirmed Ground Water Contamination	Off-Site	PHCs PAHs VOCs CPs ABNs	Ground Water
APEC S3 Identified PCB and Metals Exceedences in Soil at Former Auto Wreckers	North and East Portion (Adjacent north and east of Zone D, 107 Stuart St, 279 Bay St N)	49 - Salvage Yard, including automobile wrecking	Off-Site	PCBs Metals As, Sb, Se Cr (VI)	Soil
APEC S4 Bridge and Tank Co. of Canada/Hamilton Bridge Co. Ltd.	South Portion (~20 m southeast of Zone D, 231 Bay St N)	32 - Iron and Steel Manufacturing and Processing	Off-Site	PHCs VOCs Metals As, Sb, Se Cr (VI) PAHs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S5 Kurey's Garage	South Portion (Adjacent south of 4 Tiffany St, adjacent west of 112 Barton St W, 2 Tiffany St)	10 - Commercial Autobody Shops 28 - Gasoline and Associated Products	Off-Site	PHCs VOCs Metals As, Sb, Se Cr (VI)	Soil Ground Water

Zone D – 4, 10, 16, 22, 26, 28, 30 and 32 Tiffany St, 112 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
		Storage in Fixed Tanks			
APEC S6 Auto Wreckers	North and East Portions (Adjacent north and east of Zone D, 265-279 Bay N)	49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water
APEC S17 Patco Chemicals	Northeast Portion (~50 m northeast of Zone D, 281 Bay St N)	8 - Chemical Manufacturing, Processing and Bulk Storage	Off-Site	VOCs PHCs Metals As, Sb, Se Hg Cr (VI) pH CN- PCBs ABNs CPs	Soil Ground Water
APEC S27 Hamilton Gaslight Company / United Gas & Fuel Co. of Hamilton Ltd.	Southern Portion (~225 m south of Zone D, 114 Bay St N, 141-147 Park St N, 69-99 Mulberry St and 100 Mulberry St)	9 - Coal Gasification	Off-Site	Metals VOCs PHCs CPs ABNs PAHs pH	Soil Ground Water

Zone E – 115-125 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC E1 DNAPL Identified in Ground Water Adjacent North Through Previous Assessments by Others	Entire Property	Other - Confirmed Ground Water Contamination	Zone E On-Site	PHCs PAHs VOCs CPs ABNs	Ground Water

Zone E – 115-125 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC E2 Vehicle Repair and Maintenance	North Building, Machine Shop at Northeast (Central Services) South Building (Carpenters Shop)	10 - Commercial Autobody Shops	Zone E On-Site	PHCs VOCs Metals As, Sb, Se Cr (VI)	Soil Ground Water
APEC E3 Petroleum Product Storage	Underground Storage Tanks Between Two Main Buildings Current Underground Storage Tanks at Northwest Gasoline Storage at Southwest	28 - Gasoline and Associated Products Storage in Fixed Tanks	Zone E On-Site	PHCs Metals (Lead) BTEX	Soil Ground Water
APEC E4 Former Bridge Manufacturing Facility	Entire Site	32 - Iron and Steel Manufacturing and Processing 34 - Metal Fabrication	Zone E On-Site	PHCs VOCs Metals As, Sb, Se Cr (VI) PAHs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC E5 Paint Storage	South of Main Facility Southwest Corner	39 - Paints Manufacturing, Processing and Bulk Storage	Zone E On-Site	VOCs	Soil Ground Water
APEC E6 Rail Sidings	Northwest and West Side	46 - Rail Yards, Tracks and Spurs	Zone E On-Site	PHCs Metals As, Sb, Se Cr (VI) BTEX CPs	Soil
APEC E7 Historical Transformer Buildings and Transformer	Northwest Corner Western Portion of Main Facility	55 – Transformer Manufacturing, Processing and use	Zone E On-Site	PHCs PCBs BTEX	Soil Ground Water
APEC E8 PCB Storage Site and Transfer Station	Northwest Corner of South Building (Carpenter's Shop)	58 - Waste Disposal and Waste Management, including thermal treatment,	Zone E On-Site	PCBs	Soil Ground Water

Zone E – 115-125 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
		landfilling and transfer of waste, other than use of biosoils as soil conditioners			
APEC E9 Bulk Lumber Storage	South of Main Building	59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Zone E On-Site	Metals As, Sb, Se Cr (VI) BTEX CPs ABNs	Soil Ground Water
APEC E10 Coal Storage	Northwest Portion	Other – Bulk Coal Storage	Zone E On-Site	PAHs PHCs BTEX	Soil Ground Water
APEC S1 Former Coal Tar Facility and Chemical Manufacturer	Entire Site (~20 m south of Zone E, southeast corner of Sheaffe St and Caroline St N)	8 - Chemical Manufacturing, Processing and Bulk Storage 9 - Coal Gasification 28 - Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	Metals As, Sb, Se Cr (VI) VOCs PHCs ABNs CPs PAHs pH	Soil Ground Water
APEC S2 PAH and DNAPL Identified in Ground Water at 6.1 m Through Previous Assessments by Others	Entire Site (~20 m north of Zone E, 128 Barton St W)	9 - Coal Gasification	Off-Site	PHCs PAHs VOCs CPs ABNs	Ground Water
APEC S4 Bridge and Tank Co. of Canada/Hamilton Bridge Co. Ltd.	Northeast Portion (Adjacent east of Zone E, 231 Bay St N)	32 - Iron and Steel Manufacturing and Processing	Off-Site	PHCs VOCs Metals As, Sb, Se PAHs	Soil Ground Water
APEC S11 Historical Landfill	Entire Site (South of Zone E)	58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of	Off-Site	VOCs PHCs Metals As, Sb, Se Hg CN- B-HWS	Soil Ground Water

Zone E – 115-125 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
		biosoils as soil conditioners		Cr (VI) SAR EC pH PCBs ABNs CPs PAHs 1,4-Dioxane	
APEC S13 Cartage Companies	Southern Portion (~20 south of Zone E, 171-183 Bay St N)	11 - Commercial Trucking and Container Terminals	Off-Site	PHCs Metals As, Sb, Se BTEX	Soil Ground Water
APEC S14 City of Hamilton Central Garage	Southern Portion (~20 south of Zone E, 177 Bay St N)	10 - Commercial Autobody Shops	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI)	Soil Ground Water
APEC S16 Auto Service	East Portion (~40 m east of Zone E, 204-206 Bay St N)	10 - Commercial Autobody Shops	Off-Site	PHCs Metals As, Sb, Se Cr (VI) VOCs	Soil Ground Water
APEC S18 Waxman & Sons, scrap metal, Caroline Steel and Pipe Supply Ltd.	Southwest Portion (~50 m southwest of Zone E, 2 Harriet St)	34 - Metal Fabrication 49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water
APEC S19 Sam's Auto Wrecking	Southwest Portion (At least 50 m southwest of Zone E, 120-130, 131-139 Caroline St N, 17 Mill St)	49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water
APEC S27 Hamilton Gaslight Company / United	Entire Site (At least 110 m south/southeast of	9 - Coal Gasification	Off-Site	Metals VOCs PHCs	Soil Ground Water

Zone E – 115-125 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
Gas & Fuel Co. of Hamilton Ltd.	Zone E, 114 Bay St N, 141-147 Park St N, 69-99 Mulberry St and 100 Mulberry St)			CPs ABNs PAHs pH	
APEC S28 Lax Morris Scrap Metals Ltd.	Southern Portion (~120 m south of Zone E, 37-43 Railway St)	49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water
APEC S31 Sam's Auto Wrecking	Southern Portion (~150 m south of Zone E, 129 Mulberry St)	49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water

*Potentially Contaminating Activity (PCA) described specifically for the Phase One Property with reference to the applicable item number in the Table of Potentially Contaminating Activities provided in Schedule D of *O.Reg. 153/04* as amended, where applicable.

ABNs – Acid/Base/Neutral Compounds
PHCs – Petroleum Hydrocarbons
PCBs – Polychlorinated Biphenyls
PAHs - Polycyclic Aromatic Hydrocarbons
VOCs – Volatile Organic Compounds (includes BTEX –Benzene, Toluene, Ethylbenzene and Xylenes)
CN^- - Cyanide
Cr (VI) – Chromium VI
Hg – Mercury
As, Sb, Se – Arsenic, Antimony, Selenium (Hydride-Forming Metals)
EC – Electrical Conductivity
SAR – Sodium Adsorption Ratio
CPs – Chlorophenols
Na – Sodium
B-HWS – Hot Water Soluble Boron

A Phase Two ESA would be required at this Phase One Property in the event that a Record of Site Condition were required based on the previous identification of soil and ground water exceedences, including dense non-aqueous phase liquid (DNAPL), and the extensive history of the Phase One Property and surrounding areas as industrial land use. Contaminants known to be found on the Phase

One Property include one or more of metals, petroleum parameters and polycyclic aromatic hydrocarbons (PAHs).

In addition, to address potential operational / management issues, Amec Foster Wheeler offers the following recommendations:

- A Designated Substances Survey (DSS) is required if future repair, renovation or demolition activities are planned which could affect building materials at 115-125 Barton St W. A DSS is required to fulfil the Owner's requirements under Section 30 of the *Ontario Occupational Health and Safety Act*, (the OHSA), Revised Statutes of Ontario 1990, (as amended). The building owner must provide the DSS provide the DSS report to all contractors working on the Property. Subsequently, all contractors must furnish the DSS report to their subcontractors;
- Under *Ontario Regulation 903*, any well that is not being used or maintained for future use as a well must be abandoned in accordance with the procedures set forth in the Regulation (2). This Regulation also applies to monitoring and test wells such as those routinely installed for environmental and/or geotechnical testing purposes.

NOTE: The Executive Summary highlights the key points of the Phase One ESA only. For complete information and findings, as well as the limitations, the reader should examine the complete report.

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2.0 INTRODUCTION

Amec Foster Wheeler Environment & Infrastructure, a Division of Amec Foster Wheeler Americas Limited ("Amec FW"), was retained by the City of Hamilton to conduct a Phase One Environmental Site Assessment (ESA) of former residential and industrial properties located on five (5) separate blocks in Hamilton, Ontario. The municipal addresses of the properties include 112, 115-125, 128, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West; 4, 10, 16, 22, 26, 28 and 30 Tiffany Street; 239 Caroline Street North; 228 Hess Street North; and 231 Stuart Street, hereafter referred to as the Phase One Property. The City of Hamilton retained Amec FW to provide an evaluation of known and possible environmental issues at the Phase One Property which they are considering selling. This Phase One ESA was carried out in accordance with the Terms of Reference provided in Amec Foster Wheeler's proposal dated 18 August 2017.

For the purpose of writing this report, the Phase One Property was divided into 'zones' covering the properties on each municipal block as follows:

- **Zone A** – 231 Stuart St/249 Hess St N
- **Zone B** – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N
- **Zone C** – 128 Barton St W
- **Zone D** – 4, 10, 16, 22, 26, 28 and 30 Tiffany St, 112 Barton St W
- **Zone E** – 115-125 Barton St W

2.1 Phase One Property Information

Table 1: Phase One Property Information

Owner	**City of Hamilton**	77 James Street North, Suite 400 Hamilton, Ontario
	Chain of Title noted **1290976 Ontario Ltd.** as the current owner of 32 Tiffany St	
Client	**City of Hamilton** Public Works Department Engineering Services – Waterfront Development	77 James Street North, Suite 400 Hamilton, Ontario Contact: Jeff Pidsadny Senior Project Manager Jeff.Pidsadny@hamilton.ca

Zone A:

Municipal Address	231 Stuart St and 249 Hess St		
Legal Description	Park Block of land bounded by Queen St, Stuart St, Hess St and Barton St G.S. Tiffany Survey (Unregistered) as in CD214133, CD430037		
PIN	17580-0100		
Area	Approximately 0.32 hectares		
UTM (NAD 83)	Zone 17	591372 Easting	4791121 Northing

Zone B:

Municipal Address	239 Caroline Street North		
Legal Description	Lots 1-30, Block G, Plan 119; Lots 4-15, Block F, Plan 119; Elisa St, Plan 119 (closed by BL98)		
PIN	17151-0070		
Area	Approximately 1.64 hectares		
UTM (NAD 83)	Zone 17	591469 Easting	4791081 Northing
Municipal Address	162 Barton Street West		
Legal Description	Part Lots 16-17, Block F, Plan 119, designated as Part 28 on Registered Plan 62R18764, S/T VM245979		
PIN	17151-0071		
Area	445 m^2		
UTM (NAD 83)	Zone 17	591494 Easting	4790972 Northing
Municipal Address	166 Barton Street West		
Legal Description	Part Lots 16-17, Block F, Plan 119, as in AB203501		
PIN	17151-0015		
Area	160 m^2		
UTM (NAD 83)	Zone 17	591484 Easting	4790975 Northing
Municipal Address	168 Barton Street West		
Legal Description	Part Lots 16-17, Block F, Plan 119, Part 1 & 2, Registered Plan 62R12346		
PIN	17151-0014		
Area	Approximately 200 m^2		
UTM (NAD 83)	Zone 17	591478 Easting	4790977 Northing
Municipal Address	170 Barton Street West		
Legal Description	Part Lots 16-17, Block F, Plan 119, as in VM235449		
PIN	17151-0013		
Area	Approximately 200 m^2		
UTM (NAD 83)	Zone 17	591471 Easting	4790979 Northing
Municipal Address	172 Barton Street West		
Legal Description	Part Lot 18, Block F, Plan 119, as in VM195645		
PIN	17151-0012		
Area	Approximately 280 m^2		
UTM (NAD 83)	Zone 17	591467 Easting	4790988 Northing
Municipal Address	174 Barton Street West		
Legal Description	Part Lot 18-19, Block F, Plan 119, as in CD243009		
PIN	17151-0011		
Area	Approximately 240 m^2		
UTM (NAD 83)	Zone 17	591461 Easting	4790990 Northing

Municipal Address	176 Barton Street West		
Legal Description	Part Lot 19, Block F, Plan 119, Designated as Parts 1 and 2 on Registered Plan 62R18773, S/T Easement over Part 2 62R18773 as in AB239358		
PIN	17151-0139		
Area	240 m^2		
UTM (NAD 83)	Zone 17	591455 Easting	4790992 Northing
Municipal Address	178 Barton Street West		
Legal Description	Part Lots 19-20, Block F, Plan 119, Part 1, Registered Plan 62R14763		
PIN	17151-0009		
Area	240 m^2		
UTM (NAD 83)	Zone 17	591450 Easting	4790993 Northing
Municipal Address	180 Barton Street West		
Legal Description	Part Lot 20, Block F, Plan 119, as in VM233071		
PIN	17151-0008		
Area	445 m^2		
UTM (NAD 83)	Zone 17	591442 Easting	4790995 Northing
Municipal Address	182 Barton Street West		
Legal Description	Lot 21, Block F, Plan 119		
PIN	17151-0007		
Area	485 m^2		
UTM (NAD 83)	Zone 17	591433 Easting	4790998 Northing
Municipal Address	198 Barton Street West		
Legal Description	Lot 1-2, Block F, Plan 119; Part Lot 22, Block F, Plan 119 as in VM221252		
PIN	17151-0006		
Area	0.14 hectares		
UTM (NAD 83)	Zone 17	591403 Easting	4790999 Northing
Municipal Address	228 Hess Street North		
Legal Description	Lot 3, Block F, Plan 119; Part Lot 22, Block F, Plan 119, Part 1 and 2, Registered Plan 62R12241		
PIN	17151-0005		
Area	688 m^2		
UTM (NAD 83)	Zone 17	591410 Easting	4791021 Northing

Zone C:

Municipal Address	128 Barton Street West
Legal Description	Lots 1-31, inclusive and an unnamed lot at the southwest corner of Stuart and Tiffany Streets, Block H, Plan 119
PIN	17151-0138
Area	Approximately 0.82 hectares

UTM (NAD 83)	Zone 17	591582 Easting	4791038 Northing

Zone D:

Municipal Address	4 Tiffany Street		
Legal Description	Part Lot 13-14, Block I, Plan 119, Part 3, 4, 5, 6, 7, 8, Registered Plan 62R7812 in the City of Hamilton		
PIN	17151-0022		
Area	400 m^2		
UTM (NAD 83)	Zone 17	591631 Easting	4790933 Northing
Municipal Address	10 Tiffany Street		
Legal Description	Part Lots 12 &13, Block I, Plan 119, as in CD444465		
PIN	17151-0024		
Area	364 m^2		
UTM (NAD 83)	Zone 17	591625 Easting	4790951 Northing
Municipal Address	16 Tiffany Street		
Legal Description	Part Lots 10-11, Block I, Plan 119, as in VM275209		
PIN	17151-0027		
Area	364 m^2		
UTM (NAD 83)	Zone 17	591651 Easting	4790969 Northing
Municipal Address	22 Tiffany Street		
Legal Description	Part Lot 10, Block I, Plan 119, Part 1, 2, 3, & 4, Registered Plan 62R4747, S/T CD18348, T/W CD123457		
PIN	17151-0028		
Area	324 m^2		
UTM (NAD 83)	Zone 17	591653 Easting	4790976 Northing
Municipal Address	26 Tiffany Street		
Legal Description	Part Lot 10, Block I, Plan 119, as in VM200709		
PIN	17151-0029		
Area	364 m^2		
UTM (NAD 83)	Zone 17	591656 Easting	4790985 Northing
Municipal Address	28 Tiffany Street		
Legal Description	Part Lot 9, Block I, Plan 119, as in AB181953, T/W VM258693		
PIN	17151-0030		
Area	324 m^2		
UTM (NAD 83)	Zone 17	591659 Zone	4790993 Zone
Municipal Address	30 Tiffany Street		
Legal Description	Part Lot 9, Block I, Plan 119, as in VM172663, S/T VM266024		
PIN	17151-0031		

Private and Confidential

Area	364 m^2		
UTM (NAD 83)	Zone 17	591661 Easting	4791000 Northing
Municipal Address	32 Tiffany Street		
Legal Description	Lot 7-8, Block I, Plan 119, S/T VM244632, Subject to Easement		
PIN	17151-0032		
Area	0.14 hectares		
UTM (NAD 83)	Zone 17	591666 Easting	4791019 Northing
Municipal Address	112 Barton Street West		
Legal Description	Part Lots 13 & 14, Block I, Plan 119, as in AB186982		
PIN	17151-0063		
Area	486 m^2		
UTM (NAD 83)	Zone 17	591649 Easting	4790921 Northing

Zone E:

Municipal Address	115-125 Barton Street West		
Legal Description	Part Lot 16, Concession 2, Barton, Part Crooks Tract and Andrew Miller Survey (unregistered), as in NS238681 except AB273696 & CD39750		
PIN	17150-0209		
Area	1.80 hectares		
UTM (NAD 83)	Zone 17	591557 Easting	4790852 Northing

A key plan showing the location of the Phase One Property is provided on Figure 1. Figure 2 illustrates the configuration of the Phase One Properties. A copy of the legal survey is provided in Appendix B.

3.0 SCOPE OF INVESTIGATION

This Phase One ESA was conducted in accordance with the requirements prescribed in Schedule D – Phase One Environmental Site Assessments as stipulated under *Ontario Regulation 153/04 Records of Site Condition, Part XV.1 of the Environmental Protection Act* (EPA), as amended (1) ("*O. Reg.153/04"*), and will support the filing of a Record of Site Condition (RSC).

The Phase One ESA was carried out in accordance with Amec Foster Wheeler's proposal TB-P17030E dated 18 August 2017. The scope of work for the Phase One ESA consisted of the following tasks:

- Reviewing the historical occupancy of the Site, through the use of available archived and relevant (in Amec Foster Wheeler's opinion) municipal and business directories, other historical mapping and aerial photographs and documenting the history of the Site to its development or 1875, whichever is earlier;
- Reviewing existing environmental assessment reports concerning the Site;
- Obtaining licensed copies of Fire Insurance Plans, Underwriters' reports and plans and Ontario Base Map for the Site if available;
- Reviewing the current use of the Site and any land use practices that may have impacted its environmental condition;
- Reviewing the current use of the surrounding properties and any land use practices that may have impacted the environmental condition of the Site;
- Mapping the Site and the surrounding properties within a minimum of 250 m of the Site;
- Conducting a 'walk-through' visual assessment (i.e., Site reconnaissance) of the Site and building facilities, in order to identify the presence of actual and / or potential environmental contaminants or concerns of significance;
- Conducting interviews with Site representatives to obtain knowledge of all historical activities on enhanced investigation properties as practicable, as well as to provide Amec Foster Wheeler staff with unrestricted access to all areas of the Site and Site buildings (as required by *O. Reg. 153/04*);
- Contacting municipal and provincial agencies to determine the existence of records of environmental regulatory non-compliance, if any, and reviewing such records where available;
- Obtaining a complete *EcoLog Environmental Risk Information Services Ltd.* ("ERIS") report for the Site and a 250 m surrounding perimeter. ERIS is a national service that provides site-specific environmental and property use information from detailed government and private sector records; and,
- Developing a conceptual Site model (CSM) by a Qualified Person (QP) as defined by *Part XV.1 of the Environmental Protection Act*. The CSM will combine regional geologic and hydrologic

data with data available for the Site to produce a comprehensive view of the environmental conditions at the Site.

In completing the scope of work, Amec Foster Wheeler did not conduct any intrusive investigations, including sampling, analysis or monitoring. This Phase One ESA report is not to be construed as a regulatory compliance audit or review. Although this report discusses designated substances and hazardous materials including asbestos-containing materials (ACM), lead, mercury, ozone depleting substances (ODS), polychlorinated biphenyls (PCBs) and mould, the review was performed at a cursory level and for the Phase One Property as a whole. No sampling or analytical testing for designated substances and/or hazardous materials was performed. This report should not be construed as a designated substance or hazardous materials survey or assessment. Recommendations made with respect to these items are provided as guidance only. All activities of the Phase One Environmental Site Assessment were completed under the supervision of a Qualified Person as defined by *O.Reg. 153/04*, as amended. In addition, the Qualified Person prepared the Conceptual Site Model, in accordance with Part VII of the Regulation.

A reference document, outlining the definitions and legislation references for the Phase One ESA, is provided in Appendix A.

4.0 RECORDS REVIEW

4.1 General

4.1.1 Phase One Study Area Determination

The default 250 m buffer from the Phase One Property boundaries was selected for the Phase One Study Area. Lands upgradient of and adjacent to the Phase One Property were all used historically for a variety of industrial purposes. Due to the broad range of current and former activities in the Phase One Study Area, the list of potential contaminants present at the Phase One Property or within the 250 m of the property boundary encompasses such a range that the suite of analyses required to address them would address any issues reasonably expected to be present outside 250 m.

4.1.2 First Developed Use Determination

According to historical records obtained by Amec Foster Wheeler, including street directories, chain of title searches, fire insurance plans and other records, the Phase One Property was first developed in the mid to late 1800s, although some properties were transferred from Crown land in 1796 and 1904.

- **Zone A** – Inferred industrial in 1876.
- **Zone B** – Inferred industrial in 1876 at the north and residential and the southeast;
- **Zone C** – Inferred industrial in 1876;
- **Zone D** – Inferred residential since transfer of land from Crown in 1796;
- **Zone E** – Inferred industrial in 1910

4.1.3 Fire Insurance Plans

Copies of FIPs showing the area of the Phase One Property were obtained from Opta for the years 1916, 1947 and 1964 and viewed at McMaster University for the years 1916 and 1898. A FIP from Library and Archives Canada from 1878 was viewed online; however, the coverage was incomplete and did not illustrate the Phase One Property (3). Copies of the FIPs obtained from Opta are included in Appendix C. The following significant information was inferred from the FIPs reviewed concerning the Phase One Property and its surrounding properties:

Table 2: Fire Insurance Plans

Year	Area Description Related to Phase One Property	Lot/Address Numbers
1878	Phase One Property not available. Records incomplete.	Records incomplete.
	Description of Structures and Other Improvements	
	Phase One Property	**Surrounding Properties**
	Records incomplete.	Located at 74 Mulberry St were two circular inferred tanks labelled Gas Holder and a building with Coal Ho., Retort Ho., and Purifying Ho. and coal sheds.

<table>
<tr><th>Year</th><th>Area Description Related to Phase One Property</th><th>Lot/Address Numbers</th></tr>
<tr><td rowspan="5">1898</td><td>The Phase One Property and surrounding area were well developed and FIP coverage included the Phase One Property in its entirety and surrounding land uses.</td><td>Zone A – No address.
Zone B – 24 Eliza St (Gartshore-Thomson parcel); 249, 251 Caroline St N; 220, 222, 224 and 226 Hess St N.
Zone C – 246 Caroline St N (Engine & Boiler Works); 272 Caroline St N (Hamilton Bridge Works); 129, 131, 135, 137, 141 Stuart St; 17, 19, 27, 31, 33, 37 and 39 Tiffany St
Zone D – 4, 10, 16, 20, 24, 26, 28 and 30 Tiffany St.
Zone E – No address.</td></tr>
<tr><td colspan="2">Description of Structures and Other Improvements</td></tr>
<tr><td>Phase One Property</td><td>Surrounding Properties</td></tr>
<tr><td>Zone A - Labelled as the Hamilton Facing Mill Co. with two outbuildings at the north and east, lumber yard across the centre and an irregular shaped building at the south labelled storage, packing, grinding and mixing and warehouse. Coal was noted as fuel and a boiler was located at the southwest. A rail line ran along the western property boundary.
Zone B – J.B. Fairgrieve & Co. occupied the northwest corner with three buildings (one labelled storage). A small building labelled Storage, Hamilton Bridge Co. Ltd. occupied the very northeast corner. A rail line entered the northwest portion of the block and ended at the east side. The Gartshore-Thomson Pipe & Foundry Co. Ltd. was a large industrial facility occupying the central and northern portions of the block. The industry consisted of an irregular shaped building with hay and rope shop, coke, pipe foundry, machine shop, ovens, clay, tarring and testing, furnace, casting pits, moulding shop, pattern storage, core shop, oil, and offices. Coal was listed as fuel. A tar tank was located in the northcentral portion of the property and tarring and testing pipes were shown north and south of this tank. Eliza St bisected the block. On the south side of Eliza St was sparse development with inferred dwellings at the southwest, a small building labelled Dust Storage Hamilton Facing Mill Co. Ltd. at the southeast and inferred dwellings at the central east portion, south of Eliza St.
Zone C – The Hamilton Bridge Works Co. Ltd. industrial facility occupied the north and central portion of the block. The works building consisted of offices, pattern shop, a dynamo, machine shop, bridge and blacksmith shop, furnaces, steel hammer, boilers, and forges. Fuel was noted as coal. A coal storage building was located in the northcentral portion of the block between two rail sidings that enter the property from the northwest. South of the works yard was the Engine & Boiler Works, G. C. Morrison, with a machine shop, office, boiler an blacksmith shop. Seven inferred dwellings were located on the east portion along Tiffany St. At the</td><td>North of the Phase One Property
The rail works was located north of the Phase One Property with numerous rail lines, coal sheds and a roundhouse west of Zone A. A long rectangular Passenger Station was north of Zone C. A nail factory was also located on this property, west of Zone A.
East of Phase One Property
The Station Hotel was located at the southeast corner of Tiffany St and Stuart St. Inferred residential or small commercial buildings were located on the east and west sides of Bay St N. The Dowswell Manufacturing Co. Limited was shown at the northeast corner of Murray St W and Bay St N and the Hamilton Street Railway Co. car shed was located on Stuart St, east of Bay St N. Generally, residential buildings were located on the east side of Bay St N.
South of Phase One Property
Vacant land was located south of Barton St W along with inferred residential properties and The Ontario Tack Co. Ltd at 210 Queen St N. South of Zone E was Sheaffe St, followed by undeveloped land, residential dwellings and Spring Brewery/Grant-Lottridge Brewing Co. Ltd. in the adjacent block. The brewing building contained a barrel house, cellars, bottling, boilers, malt floors and a kiln. Railroad St and dwellings were located further south.
Southeast of the Phase One Property was the Hamilton Gaslight Company at 114 Bay St N, 141-147 Park St N, 69-99 Mulberry St and a 250,000 cubic foot gas holder silo at 100 Mulberry St. The main gas facility contained two gas holder buildings 8 feet below ground with 50,000 cubic foot capacity each, a coal shed, coal stockpiles, purifying house, two tanks at the corner of Bay St N and Mulberry St, a pump house, boilers, retort house, and meter repairing.
West of Phase One Property</td></tr>
</table>

	northeast portion along Stuart St was an office, restaurant, office and storage, billiards building and a building labelled City Hotel. The south portion was not detailed indicating possible undeveloped land. **Zone D** – Inferred dwellings were located along Tiffany St. **Zone E** – No details shown, inferred undeveloped.	Adjacent to Zone A was a portion of Ontario Rolling Mill Co. Limited which continued west across Queen St N. Adjacent south of Zone A was the forge department and the Robert Thompson Lumber Yard was adjacent west. Across Queen St N was the rolling mill labelled as burned February 1898 with other buildings for metal processing and an engine house.

Year	Area Description Related to Phase One Property	Lot/Address Numbers
1911	The Phase One Property and surrounding area were well developed and FIP coverage included the Phase One Property in its entirety and surrounding land uses.	**Zone A** – No address. **Zone B** – Address unclear or not provided for Gartshore-Thomson parcel; 160-182 Barton St W; 220-228 Hess St N. Zone C – No address (141, 199, 131, 129 Stuart St crossed out). **Zone D** – 112 Barton St W, 4, 10, 16, 22, 26, 28 and 30 Tiffany St **Zone E** – Address not provided.
	Description of Structures and Other Improvements	
	Phase One Property	**Surrounding Properties**
	Zone A – The Hamilton Facing Mill with storage, packing, grinding, mixing and offices was located at the south end of the property with a large coal shed at the northwest. The northeast portion of the property was shown undescribed (i.e. inferred vacant or undeveloped), with exception of a small outbuilding at the very northeast corner. A rail siding was located along the western boundary. **Zone B –** The north half of the block was occupied by a large irregular shaped industrial facility and outbuildings for the Gartshore-Thomson Pipe & Foundry Co. Ltd. Roughly nine (9) outbuildings were associated with this business including J.B. Fairgrieve & Co., two coke buildings, transformer, storage and office. A tar tank was located in the centre of this property. Activities within the larger facility included a machine shop, foundries, ovens, furnace, cleaning shed, electric motor, soil room, scales, testing shed, pattern shop and moulding area. Heating was provided by steam and stoves and fuel was coal. A boiler was located in the southwest of this building. A rail siding entered the property at the north and travelled through to the eastern section. A short section of rail also traversed the very northeast corner of the property. The centre of the block was undescribed. The south area of the block, along Barton St W, was occupied by inferred dwellings, a 'meat/grocer' building, an inferred stabling yard and two hay storage buildings/structures. **Zone C –** The majority of the south and west was occupied by a large irregularly shaped industrial	*North of the Phase One Property* Across Stuart St (noted as formerly Station St) was a large Coal Shed and oils building labelled J.B. Fairgrieve & Co. and numerous rail lines associated with the Grand Trunk Railway. A long rectangular building noted as Passenger Station and Canadian Express Company were located north of Zone C. An ice house and Burlington Bay was located further north of the rail yard. Further northwest was the GTR roundhouse and bolt shop and Canada Iron Foundries Ltd. The City Hotel was noted at the southeast corner of Stuart St and Tiffany St. Residential dwellings were depicted north of Zone D. *East of the Phase One Property* Adjacent east of Zone D was an inferred ridgeline and dwellings and inferred commercial buildings on the west side of Bay St N. The Hamilton Bridge Works Co. Ltd Office and dwellings were located adjacent to Zone E. *South of the Phase One Property* South of Barton St W were residential dwellings and vacant land. The Garlock Packing Co. Rubber and Asbestos Packings facility was located further south. South of Zone E, Sheaffe St connected to Caroline St N and was followed by The Hamilton Tar and Ammonia Co. Ltd. (at the southeast corner of Sheaffe St and Caroline St N) and Grants Spring Brewing Co. Ltd. (at the southwest corner of Sheaffe St and Bay St N). The Hamilton Tar and Ammonia Co. Ltd. contained a large rectangular building, two outbuildings and a smaller square building labelled

	building noted as the Hamilton Bridge Works Co. Ltd. Bridge Shop with the bridge shop, storage, offices and pattern shop. A transformer house was located at the northeast of the building and an oil house was located at the north. Electric travelling cranes were located at the east side and north. Two rail sidings entered the property at the northwest corner and continued to the north side of the facility and to the southeast corner of the property. **Zone D –** Inferred dwellings were located along the east side of Tiffany St. **Zone E –** Hamilton Bridge Works Co. Ltd. occupied the property with a large central building labelled bridge shop. Two other larger buildings were located at the south of the property and labelled Carpenter Shop and vacant. Two rail sidings were located along the west and one curved along the northwest side of the property. Approximately five (5) outbuildings were labelled as rivet shop, storage, coal and unlabelled (two) at the north part of the property. A boiler was shown at the northwest corner of the bridge shop.	Tar. The Grants Spring Brewing Co. Ltd. was comprised of a large building with a malt department, storage, bottling and a large cellar. Southeast of the Phase One Property on the north side of Mulberry St (between Bay St N and Park St N) was a large round tank labelled Gas Holder with a capacity of 250,000 cubic feet. On the south side of Mulberry St was the United Gas & Fuel Co. of Hamilton Ltd. with two gas holders with a capacity of 50,000 cubic feet each, a coke stockpile, retorts building, tanks, a coal shed and storage. Railway St was formerly noted as Railroad St. *West of Phase One Property* Located west and south on Zone A were two rail sidings and a detachment of the Hamilton Steel and Iron Co. Ltd. which sprawled across Queen St N and continued west with numerous inferred furnaces and mills. The forge, box piling, and mill departments were located on the Zone A block and coal was noted as the fuel source. Further west was the rail roundhouse and associated buildings such as the bolt shop and machine shop. Canada Iron Foundries Ltd. was located west of the Hamilton Steel and Iron Co. Ltd.

Year	Area Description Related to Phase One Property	Lot/Address Numbers
northeast1947 (revised from 1927)	The Phase One Property and surrounding area were well developed and FIP coverage included the Phase One Property in its entirety and surrounding land uses.	**Zone A** – 249 Hess St N **Zone B** – 236 Hess St N (Gartshore-Thomson); 164, 166, 168, 170, 172, 174, 176, 178, 180 Barton St W (inferred dwellings); and 220, 222, 228 and 230 Hess St N (inferred dwellings) **Zone C** – 128 Barton St W **Zone D** – 112 Barton St W, 4, 10, 16, 22, 26, 28 and 30 Tiffany St **Zone E** – Not provided.
	Description of Structures and Other Improvements	
	Phase One Property	**Surrounding Properties**
	Zone A – J. Montgomery Coal Co. Ltd. Coal Yard, F. Brook Coal & Coke and The Hamilton Facing Mill Co. Ltd. depicted with concrete coal bins, an inferred fenced coal area, parting mill, warehouse and drying. Power and lighting was supplied by electricity. Coal storage was depicted at the west side, northwest and northeast portions. Milling activities were shown in the south central portion. **Zone B** – Occupied by the Gartshore-Thomson Pipe & Foundry Co Ltd., with offices at the northeast, and manufacturing buildings on the east side. The west side was mostly undescribed, possibly indicating vacant land or material storage. A rail line traversed the northwest and exited at Caroline St N at the east portion of the property and	*North of the Phase One Property* Across Stuart St was the Canadian National Railways (CNR) yard with numerous rail lines and sidings (fourteen lines in some areas) travelling in an east-west orientation with sidings travelling south to various industrial facilities. Located on the CNR yards, north and east of the Phase One Property was a freight shed, machine shop, coal pockets, lumber shed, round house and machine shop. Burlington Bay was located further to the north across the CNR yards. Northwest of the Phase One Property, north and east of Crooks St, was Canada Iron Foundries Ltd. with wheel grinding, machine shop, ovens, crane,

	a second rail line crossed the very northeast corner of the property. Heating was provided by coke stoves. The building contained a work shop, moulding shop, elevator and metre room. A travelling crane was shown along the central portion. A separate larger building was labelled Sand Sponge Shop and included a change room, machine shop and Testing and Tarring Shed. Three smaller buildings at the south portion of the property included a power house, storage and sand storage. 230 Hess St N was shown as a dwelling on the southwest corner of the property currently known as 239 Caroline St N. Dwellings, some with garages/sheds, were noted at 166-180 Barton St W. 162 Barton St W was shown with no address and vacant land. 182 Barton St W was shown as vacant with no address. 198 Barton St W was labelled as 220-222 Hess St N and contained two dwellings. **Zone C** – Sawyer-Massey Limited & Rheem (Canada) Limited were shown as 128 Barton St W as a metal manufacturing business. The large main manufacturing building occupied the entire southwest portion of the property with an attached receiving dock at the southeast. The north and east portions of the property were utilized for travelling cranes and a steel yard. Fuel was noted as coal and gas. A paint room, shop, generators and transformers rooms were located at the north of the main building. Two rail lines entered the property at the northwest corner and continued to the northeast corner of the building and to the receiving dock at the southeast portion. **Zone D** – Dwellings were shown along the east side of Tiffany St from 2 to 38 Tiffany St. 112 Barton St W was also shown as a dwelling. **Zone E** – Located at 115-125 Barton St W (no address on FIP), was the T. Eaton Co. Limited general warehouse at the north and Hamilton Bridge Co. Ltd., Erecting and Stores at the south building. Two boilers were depicted at the northwest portion of the main building. Six smaller buildings also occupied the property including two “auto” (parking garage), two labelled transformers, drawing offices for the Hamilton Bridge Co. (connected by tunnel/bridge to the building at 225 Bay St N). The main building appeared relatively similar in its current day configuration with an inferred addition to the north and demolition on the west. The building at the south appeared in its current day configuration.	two foundries, a moulding shop, sand storage and coke stoves. *East of the Phase One Property* Dwellings were located along the west side of Bay St N along with a separating inferred elevation from dwellings on Tiffany St. Hamilton Auto Wrecking Co. (Junk Yard and Auto Yard) was located at 265-271 Bay St N, inferred at a higher elevation than dwellings along Tiffany St. Smith Transport Ltd with an underground gasoline tank was located at 51 Stuart St W, approximately 175 m east of the Phase One Property. Southwest of the Phase One Property was The Garlock Packing Co. of Canada Limited at 200-210 Queen St N, for rubber & asbestos packing with two boilers, folding departments, box manufacturing and shipping. *South of the Phase One Property* Across the now expropriated section of Sheaffe St between Bay St N and Caroline St N, was Currie Products Ltd., Coal Tar Products at the northeast corner of Caroline St N and Mulberry St. The coal tar plant included a tar building, warehouse and manufacturing. A boiler was in the main manufacturing plant and power was noted as steam and electric. Various cylindrical tanks (inferred aboveground) were depicted for iron (three at the southwest), tar and creosote (southeast) and an unlabeled one (central portion). Sheaffe St continued south of the Site to intersect Caroline St N. Dwellings were located south of the Phase One Property on the south side of Sheaffe St. Leather Cartage was located adjacent east of Currie Products and south of the Phase One Property at 167-171 Bay St N, with transport sheds, two auto repair areas and a brush areas. East of the Phase One Property was a small garage and repairs shop at 204 Bay St N. Further south of the Phase One Property, across Mulberry St was Dominion Wiper Supply (no address, southeast corner of Mulberry and Caroline St N), Boman Bronze Co. moulding (26 Railway St), Hamilton Cord Storage (129 Mulberry St) and a junk yard (no address, south of Dominion Wiper Supply). The United Gas and Fuel Co. warehouse and gas meter repairs building was located approximately 230 m southeast of the Phase One Property. The Hamilton Gas Light property located previously at the southeast corner of Mulberry St and Bay St N was shown as vacated. *West of the Phase One Property* Adjacent to 231 Stuart St/249 Hess St N, was the War Assets Corp. warehouses and storage with

		two rail lines entering the property. Further west, across Queen St N, was the Steel Company of Canada Ontario Works with a power and pump house, stamping mill, rail sidings, five furnaces and boilers.

Year	Area Description Related to Phase One Property	Lot/Address Numbers
1964	The Phase One Property and surrounding area were well developed and FIP coverage included the Phase One Property in its entirety and surrounding land uses.	**Zone A** – 249 Hess St N and 231 Stuart St W **Zone B** – 164, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 184 Barton St W; 226, 228 and 230 Hess St N. **Zone C** – Address not provided. **Zone D** – 6, 10 Tiffany St; 12 Barton St W. **Zone E** – 115-121 Barton St W.
	Description of Structures and Other Improvements	
	Phase One Property	**Surrounding Properties**
	Zone A – The northeast portion was fenced from the remainder of this zone and labelled Wire Products with a building at the very north noted as cutting and steel storage. The remaining area of this business (central east portion of Zone A) was undescribed. The south of the property was occupied by a large irregularly shaped building labelled The Hamilton Facing Mill Co. Ltd. with bagging, storage, warehouse and offices. The J. Montgomery Coal Co. Ltd. was present at the northwest with 'coal area' and four concrete coal bins were noted at the west and northwest, respectively. A small office and scales building was located at the north. A rail siding ran along the western portion. **Zone B** – Canadian Iron Foundries Ltd. Special Products Plant occupied the north, centre and part of the southern portion of the block. An office was located at the very northeast corner and a large portion of undescribed space was located at the northwest. An office building with an underground storage tank adjacent east was located at the north. A larger irregularly shaped building described as Stool Foundry was located at the east central area with a compressor room. The larger foundry building was generally rectangular shaped and occupied the centre of the block. The foundry contained a machine shop, transformer room, cleaning area, sand storage and storage. A fenced inferred transformer enclosure was located west of the foundry building. A travelling crane was located adjacent north of the foundry and an oil house was adjacent north of the travelling crane in the centre of the block. Four outbuildings including storage, power house and lockers/washroom. A fuel storage tank was located south of the foundry. Three rail sidings entered the block from Caroline St N with one traversing the very northeast corner, one rail traversing across the northern portion and the other	*North of the Phase One Property* Across Stuart St was the machine shop, north of Zone A. The CNR yard with numerous rail lines and three outbuildings (office, work shop and storage) were north of Zone B and C. *East of the Phase One Property* An Auto Wreckers Yard was located at the southeast corner of Stuart St and Tiffany St and also at 269-275 Bay St N. Dwellings were located along the east side of Tiffany St and across Bay St N. A ridgeline was located north and east of Zone D. East of Zone E were inferred dwellings and a nursey along the west side of Bay St N and north side of Sheaffe St. East of Zone E, across Bay St N was a small garage and repair shop. *South of the Phase One Property* A small auto repair shop was located at 2 Tiffany St. Further south of Zone A, across Barton St W were commercial business including Atlas Folding Box (234 Queen St N), G. Pearce Cartage, Mountain Sheet Metal Co. Ltd. (208 Queen St N), Risidore Brothers Machinery Movers (215 Hess St N) with an underground storage tank (~85 m southwest of Zone B), Thomson-Gordon Ltd. Rubber and Asbestos Packing (200 Hess St N) with a 1,500 gallon fuel oil storage tank and another undescribed storage tank (~140 m southwest of Zone B). South of Zone B, across Barton St W, were dwellings, Ram Refined Alloys Ltd (165-167 Barton St W), Woods Transport Ltd. (Windsor St) with an underground gasoline storage tank (~100 m south), SA Felton Co. Ltd. Metal Brush Manufacturing (129 Harriet St), and X-Pert Metal Finishing Ltd. Metal Plating (5 Harriet St). Sheaffe St continued to Caroline St N. South of Zone E across Sheaffe St was Currie Products Ltd Coal Tar Products (87 Sheaffe St) at the southeast corner of Sheaffe St and Caroline St N. The facility

	rail line ending in the central portion of the block, within the travelling crane pathway. A Junk Metal Yard with metal warehouse building was located at 239 Caroline St N. Inferred dwellings were located at 164-184 Barton St W and 226 Hess St N. A trucking and repairs facility was located at 228 Hess St N. **Zone C** – The block was occupied by Rheem Canada Ltd for Metal Container Manufacturing. The north of the block was occupied by two rail lines and a conveyor. The manufacturing facility was comprised of offices, paint room and paint shop, steel room, compressor room, ball mill and boiler room at the north of the facility. Shipping and storage was located along the east of the facility. The southwest corner of the facility (and block) was occupied by the transformer room, an elevator, warehouse offices and storage. **Zone D** – Dwellings (mostly frame construction) were generally located along the east side of Tiffany St and were depicted in detail only at 8 Tiffany St. A dwelling and auto body shop were shown at 12 Barton St W. A sausage factory was located at 4 Tiffany St (shown as 6 Tiffany St). **Zone E** – The T. Eaton Co. Ltd. occupied the block with a large irregularly shaped main facility noted as General Warehouse and a smaller building (current Carpenter Shop) labelled warehouse and garage. Three buildings were located at the northwest corner labelled as Auto (inferred parking garage) and two transformers. A machine shop was located at the northeast. An inferred boiler was located at the northwest corner of the main building. A rail siding ran along west side.	contained a manufacturing building with a boiler, a tar building and a warehouse. Five round tanks and five rectangular inferred vats were depicted at the centre and south of the property. Southwest of Sheaffe St and Bay S N was a rectangular building labelled truck garage and a main building labelled transport shed and leather cartage. A room in the main building was labelled Oil. South of Mulberry St between Caroline St N and Bay St N was Morris Lax Scrap Metal, Sam's Auto Wrecking and Ware Foods Ltd. (129 Mulberry St). Southwest of the Phase One Property were dwellings and the Bell Telephone Company of Canada Ltd (160 Bay St N). An underground gasoline storage tank was located on this property (~195 m southwest). Dover Industries Ltd. (Robinson Cone) was located at 133-145 Macnab St N. *West of the Phase One Property* Adjacent south and west of Zone A, and continuing west past Queen St N was The Steel Company of Canada Limited. The area adjacent to Zone A was a large industrial building with a travelling crane, warehouses, office, change house, substation, pattern storage, pilot room, and cylinder tank storage. Further west at 100 Oxford St was Brinks Express Co. Ltd. with an underground storage tank (~200 m southwest of Zone A). Across Stuart St was the machine shop. Across Queen St N was a large industrial facility labelled as Mill with furnaces, power and pump house, offices, angle bar department, tie plate department, carpenter shop, and a travelling crane. A 50,000 gallon oil tank and gasoline storage was located south of the main facility within a concrete dyke and fenced enclosure, respectively.

4.1.4 Chain of Title

Chain of title searches for the Phase One Property were conducted by Domsons Title Search (Hamilton, Ontario). The following information regarding ownership is summarized from the chain of title results and full copies are provided in Appendix D.

DATE	OWNER	TRANSFERRED TO
231 Stuart St and 249 Hess St N		
1796	Crown	Single Name Residents
1852	Single Name Residents	Single Name Residents
Break in chain from 1852 to 1903		
1903	Single Name Residents	Single Name Residents
1945	Single Name Residents	The J. Montgomery Coal Company Limited (249 Hess)
1951	Single Name Residents	Paikin Brothers Limited
1952	Paikin Brothers Limited	Single Name Residents

DATE	OWNER	TRANSFERRED TO
1970	The J. Montgomery Coal Company Limited	The Hamilton Facing Mill Company Limited
1982	The Hamilton Facing Mill Company Limited	Imtrex Commodities Inc. (249 Hess)
1986	Single Name Residents	Justice Minerals and Chemicals Limited
1987	Justice Minerals and Chemicals Limited	Imtrex Commodities Inc. (231 Stuart)
2005	Imtrex Commodities Inc. (defaulted)	558154 B.C. Ltd.
2017	558154 B.C. Ltd. (defaulted)	City of Hamilton
4 Tiffany Street		
1796	Crown	Single Name Residents
1912	Single Name Residents	Toronto Dwellings Limited
1914	Toronto Dwellings Limited	Canadian Northern Systems Terminals Ltd.
1941	Canadian Northern Systems Terminals Ltd.	Single Name Residents
1996	Single Name Residents	Tonshang Properties Inc. (Power of Sale)
2001	Tonshang Properties Inc. (Mortgage Default)	Ancaster Mechanical 1992 Ltd.
2010	Ancaster Mechanical 1992 Ltd.	City of Hamilton
10 Tiffany Street		
1796	Crown	Single Name Residents
2010	Single Name Residents	City of Hamilton
16 Tiffany Street		
1796	Crown	Single Name Residents
2010	Single Name Residents	City of Hamilton
22 Tiffany Street		
1796	Crown	Single Name Residents
1973	Single Name Residents	Tonoga Limited
1976	Tonoga Limited	Single Name Residents
1979	Single Name Residents	City of Hamilton
26 Tiffany Street		
1796	Crown	Single Name Residents
2010	Single Name Residents	City of Hamilton
28 Tiffany Street		
1796	Crown	Single Name Residents
2010	Single Name Residents	City of Hamilton
30 Tiffany Street		
1796	Crown	Single Name Residents
1958	Single Name Residents	Superior Discount Limited
1963	Superior Discount Limited	Single Name Residents
1993	Single Name Residents	Galetti Bros. Construction
1993	Galetti Bros. Construction	Single Name Residents
2010	Single Name Residents	City of Hamilton
32 Tiffany Street		
1796	Crown	Single Name Residents

DATE	OWNER	TRANSFERRED TO
1999	Single Name Residents	1290976 Ontario Ltd.
2012	1290976 Ontario Ltd. (Present Owner)	Canadian National Railway Company (Easement)
112 Barton Street West		
1796	Crown	Single Name Residents
2010	Single Name Residents	City of Hamilton
128 Barton Street West		
1904	Crown	The Hamilton Bridge Works Company Limited
1928	The Hamilton Bridge Works Company Limited	Hamilton Bridge Company Limited
1954	Hamilton Bridge Company Ltd.	Bridge & Tank Company of Canada Limited
1969	Bridge & Tank Company of Canada Limited	Ian Douglas, in trust
1970	Ian Douglas, in trust	Rheem Canada Inc.
1985	Rheem Canada Inc.	Rheem Canada (1984) Inc.
2009	Rheem Canada Ltd.	City of Hamilton
162 Barton Street West		
1796	Crown	Single Name Residents
1803	Single Name Residents	Single Name Residents
Break in chain from 1852 to 1903		
1903	Single Name Residents	Single Name Residents
1994	Single Name Residents	City of Hamilton
1995	City of Hamilton	1014587 Ontario Inc.
1998	1014587 Ontario Inc.	Single Name Residents
2004	Single Name Residents	1631110 Ontario Inc.
2010	1631110 Ontario Inc.	City of Hamilton
166 Barton Street West		
1796	Crown	Single Name Residents
1803	Single Name Residents	Single Name Residents
Break in chain from 1852 to 1903		
1903	Single Name Residents	Single Name Residents
2010	Single Name Residents	City of Hamilton
168 Barton Street West		
1796	Crown	Single Name Residents
1803	Single Name Residents	Single Name Residents
Break in chain from 1852 to 1903		
1903	Single Name Residents	Single Name Residents
1992	Single Name Residents	683506 Ontario Inc.
1994	683506 Ontario Inc.	Single Name Residents
2010	Single Name Residents	City of Hamilton
170 Barton Street West		
1796	Crown	Single Name Residents
1803	Single Name Residents	Single Name Residents

DATE	OWNER	TRANSFERRED TO
Break in chain from 1852 to 1903		
1903	Single Name Residents	Single Name Residents
2010	Single Name Residents	City of Hamilton
172 Barton Street West		
1796	Crown	Single Name Residents
1803	Single Name Residents	Single Name Residents
Break in chain from 1852 to 1903		
1903	Single Name Residents	Single Name Residents
2010	Single Name Residents	City of Hamilton
174 Barton Street West		
1796	Crown	Single Name Residents
1806	Single Name Residents	Single Name Residents
Break in chain from 1864 to 1901		
1901	Single Name Residents	Single Name Residents
2010	Single Name Residents	City of Hamilton
176 Barton Street West		
1796	Crown	Single Name Residents
1806	Single Name Residents	Single Name Residents
Break in chain from 1864 to 1901		
1901	Single Name Residents	Single Name Residents
2010	Single Name Residents	City of Hamilton
178 Barton Street West		
1796	Crown	Single Name Residents
1839	Single Name Residents	Single Name Residents
Break in chain from 1864 to 1901		
1901	Single Name Residents	Single Name Residents
2010	Single Name Residents	City of Hamilton
180 Barton Street West		
1796	Crown	Single Name Residents
1902	Single Name Residents	Hamilton Facing Mill Company Ltd.
1919	Hamilton Facing Mill Company Ltd.	Single Name Residents
2010	Single Name Residents	City of Hamilton
182 Barton Street West		
1796	Crown	Single Name Residents
1919	Hamilton Facing Mill Company Limited (deed transfer from not recorded). Single Name Residents to 1918	Single Name Resident
1944	Single Name Residents	City of Hamilton
1947	City of Hamilton	Single Name Residents
2010	Single Name Residents	City of Hamilton
198 Barton Street West		
1904	Crown	The Hamilton Bridge Works Co. Ltd.

DATE	OWNER	TRANSFERRED TO
1940	Treasurer City of Hamilton	City of Hamilton
1941	City of Hamilton	Single Name Residents
1964	Single Name Residents	Montgomery Superstations Limited
1986	Montgomery Superstations Limited (Leased to Supertest Petroleum Limited, BP Canada Limited, BP Oil Limited)	Sunys Petroleum Inc.
1996	Sunys Petroleum Inc.	1145199 Ontario Inc.
1997	1145199 Ontario Inc.	Sandhu Gas & Go Inc.
2005	Sandhu Gas & Go Inc.	DK's Gas Bar Inc.
2010	DK's Gas Bar Inc.	City of Hamilton
228 Hess Street North		
1796	Crown	Single Name Residents
1852	Single Name Residents	Single Name Residents
Break in chain from 1852 to 1941		
1941	Single Name Residents	Single Name Residents
1973	Single Name Residents	Love Produce Distributors Limited (G.A. Love Foods Inc.)
1987	Love Produce Distributors Limited (G.A. Love Foods Inc.)	Single Name Residents
1993	Single Name Residents	Archmill House Inc.
1994	Archmill House Inc.	1100892 Ontario Inc.
2010	1100892 Ontario Inc.	City of Hamilton
239 Caroline Street North		
1796	Crown	Single Name Residents
1840	Single Name Residents	Single Name Residents
Break in chain from 1840 to 1903		
1903	The Gartshore-Thomson Pipe & Foundry Co. Ltd.	The Grand Trunk Railway Co. of Canada (Lots 1-17, Block G)
1955	The Gartshore-Thomson Pipe & Foundry Co. Ltd.	Canada Iron Foundries Limited
1986	Canron Inc. (formerly Canada Iron Foundries Limited)	425763 Ontario Inc. (Lots 4-15, Block F)
1986	Canron Inc.	Branard Corp. (Lots 18-30, Block G and Elisa St)
1993	Roynat Inc. (425763 Ontario Inc. mortgage default)	945298 Ontario Inc. (Lots 4-15, Block F)
2000	Branard Corp.	Philip Services Inc. (Lots 18-30, Block G and Elisa St)
2001	Philip Services Inc.	945298 Ontario Inc.
2001	Canadian National Railway Co.	945298 Ontario Inc. (Lots 1-17, Block G)
2010	945298 Ontario Inc.	City of Hamilton
115-125 Barton Street West		
1796	Crown	Single Name Residents
1910	Single Name Residents	The Hamilton Bridge Works Co. Ltd./Hamilton Bridge Co. Ltd.

DATE	OWNER	TRANSFERRED TO
1954	The Hamilton Bridge Works Co. Ltd./Hamilton Bridge Co. Ltd.	The T. Eaton Realty Company Ltd.
1972	The T. Eaton Realty Company Ltd.	City of Hamilton

4.1.5 Environmental Reports

The following previous investigation reports were provided to Amec Foster Wheeler by the Phase One Property representative:

Table 3: Previous Environmental Reports

Phase II Environmental Site Assessment for Properties Known As: 263, 269, 271, 275, 277 and 279 Bay Street North, 32, 34 and 36 Tiffany Street and 107 Stuart Street in the City of Hamilton, Ontario, **Prepared by Provincial Environmental Services Inc. for First Financial, 24 November 1997**
The assessment was undertaken to better delineate the extent of contamination in the upper 1 m of fill through surface soil sampling. Contaminants included oil and heavy metals (lead, zinc and copper) consistent with auto wrecking activities. At the time of the assessment, White Star Auto Wreckers occupied 107 Stuart St and 281 Bay St N. Lots 7 and 8 were noted to be previously residential and used for parking for Rheem (inferred 32 Tiffany St). Fill and visible staining was noted throughout the properties with exception of the Rheem parking area. Fill was noted to approximately 0.75 metres below ground surface (mbgs) with exception of foundry waste and soil (BH3-4 – inferred 107 Stuart St) and construction debris (BH4-8 – inferred 283 bay St N). Native material was inferred to be a light brown to red sand and silt. Wet conditions were encountered at depths ranging from 0.3 to 0.75 mbgs. The following samples were collected and compared to MOEE Table B Generic Guidelines: • Thirty-nine (39) samples were analyzed for lead, cadmium, zinc and copper. Lead, zinc and copper were found to exceed Table B guidelines with leaching into native soils occurring in some areas. *As the current standards are more stringent than Table B guidelines for these parameters, exceedences of the current standards are likely.* • Four (4) were sampled for PCB analysis due to stained surface soil and were found to range from below detection to 3.3 parts per million (ppm) (*which would exceed current standards*). • One (1) sample was analyzed for total petroleum hydrocarbons (TPH) and benzene, toluene, ethylbenzene and xylenes (BTEX) at a depth of 0.15 mbgs and met Table B guidelines. The Site Plan denoted small buildings (likely residential dwellings) along the east side of Tiffany Street from 2 to 30 Tiffany St. ***Appendix 2 – Re: History Search Respecting Sites Located [at] 107 Stuart Street, 271 Bay Street North and 32 Tiffany Street, Provincial Environmental Services Inc. 10 July 1997.*** The area in the vicinity of Bay, Tiffany and Stuart have been established since at least the 1860s. North of Bay St has been occupied by rail yards for over a hundred years, while coal distributors, auto wreckers, chemical products company, bridge and tank manufacturer, fuel and ice supply, warehouses and foundry and machine shop (Rheem) have also been in the vicinity. The history search did not reveal the presence of service stations nor underground gasoline storage tanks. Tiffany St was residential from Stuart St to Barton St W. The report noted the likely presence of a coal gasification plant in the Tiffany St area, likely west of Tiffany St.
Email Correspondence, City of Hamilton, 10 December 2015
As of 12 November 2015, the City of Hamilton completed the removal of five (5) underground fuel storage tanks at 198 Barton St W. A storage tank shown in a site photograph appeared to be in good condition with no holes or rusting. No environmental reports were made available for review concerning the tank removal activities.
Draft Limited Phase II Environmental Site Assessment, 249 Hess Street North, **Prepared by MTE Consultants for the City of Hamilton, 2 October 2013**
The property contained two derelict buildings surrounded by concrete and gravel surfaces, standing water, large piles of waste and fill and overgrown brush. A summary of a previous Phase I ESA by MTE (2013) noted the property was vacant since the mid-2000s with portions of the original buildings demolished in the late 2000s; the property was developed in the early 1940s as a steel mill and coal tar storage/production facility; an unknown quantity of suspected chemical waste was

deposited on the property within the last decade and stored within one of the buildings and two storage containers; a large fill pile and waste pile were located on the central portion of the property; and the property has been surrounded by industrial land use since first development.

The Limited Phase II ESA consisted of advancing three boreholes to a maximum depth of 6.1 mbgs at the southwest corner, central portion, and northeast corner. Soil conditions included concrete above fill to depths of 0.6-2.44 mbgs, overlying layered silt and sand deposits with some evidence of peat at the northeast borehole. Three soil samples were submitted for analysis of VOCs, PHC F1 to F4, BNAE, metals and pH. Ground water samples were collected from the three monitoring wells and submitted for analysis of VOCs, PHC F1 to F4, BNAE, metals, pH and PAHs. Ground water levels were observed to be 0.004, 0.5 and 1.8 mbgs. Laboratory results were compared to the MOE 2011 Table 3 standards. Soil results indicated samples met the Table 3 standards for PHC F1 to F4, VOCs, BNAE (exception of the central borehole with multiple PAH exceedences), and metals (exception of arsenic marginally exceeding in central borehole). Ground water results indicated samples met the Table 3 standards for PHC F1 to F4 (exception of PHC F2 to F4 in central borehole), VOCs, PAHs (affected by sediment in samples, resampled with no exceedences in central borehole) and metals. The exceedences in the central borehole were attributed to poor quality fill containing black staining and brick.

Environmental Review Services, 198 Barton St W, **Prepared by Technical Standards and Safety Authority, 07 January 2016**

For fuel oil response to inspectors orders for an equipment removal/site closure issued on 08 October 2015 requiring compliance by 30 June 2016 for out of service tanks.

Draft Phase I Environmental Site Assessment, Central Park, Hamilton, Ontario, **Prepared by SNC Lavalin Inc. for the City of Hamilton, 23 August 2013**

At the time of the assessment, the park was irregularly-shaped, measured approximately 25,000 m^2 (2.4 ha) in area and was occupied by pedestrian pathways, baseball diamonds, a splash pad, tennis and basketball courts and a grassed area. The EMS building located at 177 Bay St N was not considered part of the assessment.

The topography of the property was divided into two areas including the western portion of the property which slopes to the east, and the eastern portion which slopes to the west, suggesting the features of a partially filled ravine.

The Bird's Eye View map dated 1873 indicated the block from Bay Street North to Caroline Street North and from Cannon Street West to Stuart Street was predominantly a ravine except at the northwest corner of Mulberry Street and Bay Street North where additional buildings of commercial or industrial uses were noted. In the Bird's Eye View map dated 1893, the ravine is partially filled but the property is still vacant, with the exception of a single building. No information was available with regards to the quality of the fill material.

Potentially contaminating activities (PCAs) on the property included a coal tar distillation and coal gasification plant, a closed landfill, various scrap metal yards, a metal plating company, an auto repair garage, an industrial rail spur and former potential fuel oil underground storage tanks (USTs) and above-ground storage tanks (ASTs).

Historical records indicated that the property, including a coal tar distillation and gasification plant, was removed and impacts partially remediated up by the City before being converted to a park in the early 1980's. Previous soil investigations subsequently completed by others in 1994 and 2013 confirmed the presence of impacts within the upper 7 m of overburden. Contaminants of concern (COCs) included metals, volatile organic compounds (VOCs), petroleum hydrocarbons fractions F1 to F4 (PHC F1 to F4), polycyclic aromatic hydrocarbons (PAHs) and creosote. These soil investigations were limited to the northern part of the property, west of the EMS building and the basketball and tennis courts. No information with regard to soil quality in other parts of the property was available. Off-site PCAs include former and active gasoline and fuel oil USTs and ASTs, a former Polychlorinated Biphenyls (PCB) storage facility, a former coal gasification plant, various generators of hazardous wastes including an auto repair shop, a manufacturer of abrasive products and a former asbestos packing company. Potential COCs at the site related to off-site activities include: metals, VOCs, PHC F1-F4, PAHs, and PCBs (associated with the transformer storage in the northern portion of the property).

Designated Substances Survey, City of Hamilton, Pan Am Games Multi-Use Stadium Site and Velodrome, Hamilton, Ontario, **Prepared by Decommissioning Consulting Services Limited (DCS), for Gowling, Lafleur, Henderson, LLP, September 2010**

Lot 3 (B&M Metals Site) Designated substances and hazardous materials located in the subject areas included asbestos-containing ceiling tiles, brick caulking, vinyl floor tiles and transite boards; lead-containing paint; mercury-containing equipment; silica-containing building materials; and PCB-containing lamp ballasts and PCB-containing transformers and other electrical equipment. Dust samples were collected as the properties were used as a lead recycling facility and the samples were noted to be classified as hazardous waste for disposal purposes as a result of the toxicity characteristic leaching procedure (TCLP).

Lot 16 (Rheem) Designated substances and hazardous materials located in the subject area included drywall joint compound, vinyl floor tiles, plaster, pipe insulation, parged pipe fittings, roofing materials, caulking and mastic; lead-

containing paint; mercury-containing equipment; silica-containing building materials; and PCB-containing lamp ballasts and equipment, including a transformer with minor leakage.
***Environmental Work Plan Summary, Pan Am Games Multi-Use Stadium and Velodrome Facility, Hamilton, Ontario,* Prepared by DCS for the City of Hamilton, 2 June 2010**
The properties were partially reclaimed from Burlington Bay for railway expansion purposes in the mid-1800s and have been used for industrial purposes since the mid-1850s. A range of surficial and buried waste material, abandoned and functioning industrial and municipal infrastructure was expected to be present. Past industrial activities have included the manufacture of machine tools, railway bridge components, armoured vehicle hulls, conveyors, cranes and commercial and residential electric and gas water heaters, auto wrecking and scrap yard operations, steel warehousing; steel products manufacturing and milling, bulk coal storage, waste storage, auto repairs and fuel service station operations. Surrounding properties representing a possible source of contamination included a steel mill, coal gasification plant, municipal works yard, coal tar distillation plant and railyards. Previous assessments conducted at the properties have identified the discontinuous presence of metals and inorganics, monocyclic aromatic hydrocarbons (MAH, inferred BTEX), PHC F3, PHC F4 and PAHs in soil and ground water. Soil and ground water contamination was identified previously on the former Rheem property and was associated with historical on-site sources as well as migration from a coal gasification facility and coal tar distillation facility on the site of a former roofing felt manufacturing plant. Fill materials were identified between 0.5 to 2.0 mbgs and were comprised of slag and gravel, to silt and sand with gravel overlying native silty sand to sandy silt extending from depths between 1.2 to 8.5 mbgs overlying native silty clay to clayey silt. Ground water levels measured in June 2009 ranged from 0.89 to 2.2 mbgs and was inferred to flow towards the north. Soil exceedences on the Rheem property of Table 3 Site Condition Standards for residential property use and coarse grained soil in a non-potable ground water condition included heavy metals, fuel related petroleum hydrocarbons, heavy fuel, coal and lubricants-related PAH and MAH parameters. Ground water exceedences included PAHs, PHC and MAHs. Additional geotechnical information was present in this report. Queenston shale bedrock was not encountered but it anticipated to underlie the area at approximately 35 to 55 metres above sea level. PAH contamination including non-aqueous phase liquid (NAPL) in soil associated with Currie Products and/or United gas plants was encountered at about 7.0 mbgs and a groundwater contamination plume was identified at the south end of the plant building.
***Cost Implications for Incorporating Zones 1A and/or 1B, Proposed Pan Am Games Site, Hamilton, ON*, Prepared by DCS for Gowling Lafleur Henderson, LLP, 4 May 2010.**
Two sites for consideration into Pan Am Games Site included: • The City of Hamilton Works Yard at 115-125 Barton St W, previously owned for an extended period by the Timothy Eaton Co. and Hamilton Bridge Works, and bounded to the south and southwest by a former coal tar distillation plant and northeast and downgradient of a former coal gasification plant. The east half of the south boundary abuts a former municipal landfill site. Ground water contamination typically associated with coal tar and gasification was identified to be migrating onto the former Rheem property from this property. It is possible that coal tar wastes may have been used to backfill the ravine that originally covered much of the property and that dense NAPL (DNAPL) may be present. Fueling operations may have historically occurred at the property from City or Eaton activities. Contamination is expected to be present in a 5.0 m thick fill stratum overlying native sands to depths of 12.0 to 13.0 mbgs and elevation of 73.0 m. A gully or ravine cut into a relic bank of Burlington Bay that dates back to prior to reclamation of the current shoreline for railway purposes in the late 1800s. The low lying ravine lands were infilled by 1898. • City of Hamilton-owned land located west of Stuart St, adjacent to the south side of the CN rail corridor. This property was used for metalworking by Hamilton Steel and Iron and by Hamilton Ironworks, a transit shed, turntable, roundhouse, fuel storage (diesel, coal), materials storage (coke, coal, sand and iron) and machine shop since the 1850s. It occupied reclaimed land from Burlington Bay. Fill was identified to extend from 0.9 to 2.2 m in depth with an average of 1.6 m of fill consisting of silts, sands and gravels commonly black with visible oil staining and diesel odours. Native soil consisted of brown to red grey silty fine sands with no evidence of environmental impacts. Ground water ranged from 0.6 to 3.0 mbgs. Analytical data from the Rheem property (north of 115-125 Barton St W) indicated widespread surficial metals contamination, and PAHs, BTEX and PHC exceedences in native soils at the south end of the property exceeding Table 3 Site Condition Standards. Ground water analytical results on the Rheem property indicated ground water at the south portion was impacted with PAHs, PHC, benzene and sodium and DNAPL was identified in Pinchin MW-3. Fill extends from 0.2 to 1.32 mbgs across the Rheem property. Fill consisted of silty sands and gravel with glass and metal debris.

Native soils underlying fill comprise brown silty sands exhibiting black staining and tar and hydrocarbon odours overlying grey clay. The water table was found to range from 1.07 to 2.41 mbgs.
***Environmental Management & Site Preparation Work Plan 05-10 Update, Proposed Pan Am Games Multi-use Stadium & Velodrome Site, Hamilton, Ontario,* Prepared by DCS for Gowling Lafleur Henderson, LLP, 26 May 2010**
DNAPL was identified in the roadway immediately south of Zone C at a depth of 4.5 to 9.5 mbgs. PAH contamination and NAPL was also identified on the Rheem property at a depth of 6.1 m at the south end.
***Work Order and Instructions for Interceptor Trunk Sanitary Sewer from Valley Street Sewage Pumping Station to the Gage Ave. Sewage Pumping Station*, Prepared by the City of Hamilton, 1962**
Instructions were provide with two boreholes scheduled adjacent south of the Phase One Property for an interceptor tunnel running along Barton St W.
***Report No. GTR_1204, Geo-Environmental Soil Investigation, Reconstruction and Municipal Service Replacement, Stuart Street: Barton to Bay Streets, Hamilton, ON,* Prepared by Amec Foster Wheeler (formerly AMEC Earth & Environmental) for the City of Hamilton, 2007**
The investigation consisted of drilling six boreholes which extended to a depth of 5.2 mbgs. The environmental portion of the sampling was conducted to determine whether any impacts in the soil were present resulting from the potential sources of impact including garages, auto wreckers, railway, heavy industry and fill materials. Fill was identified to depths of 0.3 to 2.0 mbgs. Six soil samples were submitted for laboratory analysis of PHC F1 to F4, VOCs, metals and inorganics, PCBs, PAHs and base neutral acid extractables (BNAE). All soil samples were noted to meet Table 3 Site condition Standards under the *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act* (2004). Soil was observed to be fill over silty sand overlying clayey silt/silty clay. Alluvium and peat zones were identified in a borehole (adjacent north of Zone C) at a depth of 3.8-4.0 mbgs.
***Limited Phase I Environmental Site Assessment, Municipal Roadway, Stuart Street: Bay Street North to Hess Street North, Hamilton, Ontario,* Prepared by Amec Foster Wheeler (formerly AMEC Earth & Environmental) for the City of Hamilton, 2006**
A limited Phase I ESA was conducted on the municipal roadway located on Stuart Street from Bay Street North to Hess Street North, Hamilton, Ontario. Based on the Phase I ESA conducted on 31 August 2006, there was evidence of potential or actual contamination associated with the following activities related to the surrounding properties: • Railways appear to transect the property since at least 1898. • Numerous coal yards/companies were formerly located adjacent to the south, southwest and north of the property. • Numerous industrial properties (i.e., manufacturers) were formerly (and currently) located adjacent to the south of the property (between Tiffany Street and Caroline Street North, west of Caroline Street North, 175 Stuart Street, 176 Caroline Street North, 228 Hess Street, 32-38 Tiffany Street 128 Barton Street West, at Hess Street North) and to the south of the property. • Numerous retail fuel outlets, automotive service facilities, automobile wreckers and automobile body yards were formerly (and some currently) located directly adjacent to the south (127 Stuart Street) and to the south and east of the property. • Located approximately 80 m to the southeast of the Site, Downswell Manufacturing Company (a manufacturer of washing machines) was present in 1898. In 1911, various tanks and pails associated with the then “Adam Beck Box Factory” were present. From 1960 onwards this property has been used as a storage yard for lumber. • Numerous foundries located alongside the south of Stuart Street, at 230 Hess Street North (Canadian Iron Foundries; two (2) USTs were identified in the 1960 FIP at this location), Hess Street North (Gartshore Thompson Foundry Co.), Caroline Street North/Hess Street North (Canada Pipe Foundry) were formerly located adjacent to the south of the property. • The property located at 228 Hess Street North (B&M Metal Recycling), located directly adjacent to the south of the property, has a long history of use and is registered as an industrial generator of various chemicals. • The property located at 128 Barton Street West (Rheem Canada Ltd.), located approximately 40 m to the south of the property, has a long history of use and is registered as an industrial generator of various chemicals. • The property located at 175 Stuart Street (Branard Corporation), located directly adjacent to the south of the property, is registered as an industrial waste generator of other specified inorganics. • Gasoline Service Stations and Automobile repair shops (i.e., “Barton’s Auto Garage, Sunny’s Service Station”) were observed to be located respectively approximately 180 m to the south of the property. • A railway is located adjacent to the north and west of the property. • Approximately 4 L of transmission fluid spilled into a catch basin at the corner of Stuart and Bay Street North on 04 June 2006;

• Approximately 45 L of diesel spilled from a tank pipe and resulted in possible soil contamination at 241 Stuart Street West on 27 October 1993; and, • An unknown amount of diesel spilled from a drain during a heavy rainfall at 241 Stuart Street West on 10 May 2000. Based on the findings of the Phase I ESA, it is recommended that a Phase II ESA be completed at the Site to assess potential soil and groundwater impacts to assess the historical operations on the surrounding properties.
***PCB Inventories, YRD017 Central Services Workshop and YRD012 Carpenter's Shop, 125 Barton Street West, Hamilton, Ontario,* Prepared by Amec Foster Wheeler for the City of Hamilton, April 2011**
A PCB inventory noted the possible presence of suspect light ballasts in the Central Services Workshop interior. One 205 L drum of PCB-containing light ballasts and suspect light ballasts were identified in the Carpenter's Shop. It was recommended the drum be removed for off-site disposal within one year.

4.1.6 Other Information

4.1.6.1 City Directories

Amec Foster Wheeler reviewed City directories, available at McMaster University in Hamilton, Ontario, for the years 1869, 1876, 1880, 1886, 1895, 1902, 1908, 1915, 1921, 1924, 1929, 1934, 1939, 1946, 1952, 1954, 1961, 1964, 1971, 1975, 1980, 1985, 1990, 1994, 1999, 2003, 2008, and 2013. According to the city directories reviewed, the following occupants were listed as occupants of the Phase One Property:

Table 4: Business Directory Listings

Zone A – 231 Stuart St/249 Hess St N

Address: 249 Hess St N		
1994	2009	Vacant/Not Listed
1985	1990	Imtrex Commodities Inc.
At least 1902	1980	Hamilton Facing Mill
Address: 231 Stuart St		
2008	2009	Not Listed
1990	1995	Vacant
1985	1985	Canron Ltd.
1961	1985	Paikin Steel Products – Wire Plant
1921	1975	Montgomery Coal
No Address, Stuart St between Hess St N and Queen St N		
1935	1935	Universal Laboratories
1920	1920	Wise Lumber Coal

Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N

Address: 162 Barton St W		
1915	1946, 2009	Residential
2004	2005	NK Auto Sales & Service
Address: 164 Barton St W		

1915	1955	Residential
1980	1980	The Loose Caboose
Addresses: 166, 168, 170, 172, 174, 176, 180 Barton St W		
1908	2009	Residential
Address: 178 Barton St W		
1908	2009	Residential
Address: 182 Barton St W		
1975	2009	Loth Auto Painting & Collision
1915	1971	Residential
Address: 184 Barton St W		
1980	1980	BP Gasoline Station
1961	1961	Beaver Coal Co., Pioneer Petroleum Service Station
Address: 198 Barton St W		
1965	2013	Montgomery Superstation Ltd., Sunny's Petroleum Inc., Sandhu Gas & Co., Sunny Gas Bar
1994	1995	The Outdoor Works
Address: 239 Caroline Street N		
1999	2013	Vacant
1952	1994	Hamilton Iron & Metal Co. Ltd.
1990	1991	Canam Plastics Inc.
1955	1955	Canadian Iron Foundries
1929	1930	Residential
1924	1924	Vacant
Address: 175 Stuart St (inferred to be in Zone B)		
1970	1985	Canron Ltd.
Address: North Side of Eliza St		
1895	1910	Canada Pipe Co./Canada Pipe Foundry
Address: 228 Hess St N		
1997	2009	B&M Metal Recycling
1994	1995	Hess Mobility
1990	1995	Steve's Renovations
1985	1985	LPD Equipment
1980	1980	Love Produce
1970	1975	Marken Industrial Sandblasting & Painting Ltd.
1961	1965	Chocoski Haulage
1929	1955	Residential
1924	1924	Hillman Coal & Coke Co.
1908	1924	Canada Pipe Foundry/Gartshore-Thomson, Gartshore-Thomson Pipe & Foundry
Address: 230 Hess St N		
1955	1960	Canadian Iron Foundries
1934	1946	Gartshore-Thomson
Address: 241-243 Caroline St N		

1915	1929	Gartshore-Thomson
Address: Not provided, south side of Stuart St, between Caroline St N and Hess and Queen Sts intersection		
1880	1895	A Gartshore & Co.
1880	1886	GC Morrison, engine works
1876	1876	T. Cowie & Co. Iron Works

Zone C – 128 Barton St W

Address: 128 Barton St W		
2013	2013	Vacant
1950	2009	Rheem Canada
Address: 246 Caroline St N		
1902	1902	GC Morrison, engine works
Address: 139-141 Stuart St		
1902	1908	Hamilton Bridge Works
1902	1902	Gartshore-Thomson
No address, inferred location of 128 Barton St W		
1876	1950	Hamilton Bridge & Tool Co./Hamilton Bridge Works

Zone D – 4, 10, 16, 22, 26, 28, 30 and 32 Tiffany St, 112 Barton St W

Address: 4 Tiffany St		
1994	2009	Residential
1971	1990	Genua Brand Company
1894	1955	Residential
Addresses: 10, 16, 26, 28 and 30 Tiffany St		
1894	2009	Residential
Address: 22 Tiffany St		
1894	1971	Residential
Address: 112 Barton St W		
1964	2009	Varga's Garage, Varga Auto Body, Lincoln Auto Body
1915	1961	Residential
Address: Addresses provided in reverse order based on other city directory years, may not represent Zone D		
1880	1886	Residential

Zone E – 115-125 Barton St W

Address: 115 Barton St W		
1980	1980	Central Services Building – City
1975	1975	General Services Building - Hamilton-Wentworth Region
1971	1971	T. Eaton Company, warehouse
Address: 125 Barton St W		

1999	2013	Vacant
1995	1995	Culture & Recreation Community Development
1990	1990	Regional Water & Sewer Maintenance Department
1985	1985	Central Services
1971	1971	Not Listed
Address: 72 Sheaffe St		
1964	1971	T. Eaton Co. Ltd., warehouse
Address: 176 Caroline St N (inferred to be Zone E)		
1895	1960	Hamilton Bridge Co., Bridge and Tank Company

Surrounding Properties – Distances provided to closest point of Phase One Property

Address: 167 Barton St W, ~20 m south of Zone B		
1960	1965	Ram Refined Alloys Ltd.
Address: 195 Barton St W, ~20 m south of Zone B		
2000	2000	Outdoor Works
Address: 221 Barton St W, ~30 m southwest of Zone B		
2009	2009	Binns Welding & Fabrication
2000	2004	Novell Sanitation Supplies & Equipment
1964	1971	Atlas Folding Boxes, Love Wholesale Distributors
Address: 265 Barton St W, ~160 m southwest of Zone A		
1955	1955	Master Varnish
Address: 114-116 Bay St N, ~290 m south of Zone E		
1886	1886	Gas Works
Address: Bay St N, east side north of Murray St, at least 100 m east of Zone D		
1886	1886	Hamilton Industrial Works Co.
Address: 130-134 Bay St N, ~200 m south of Zone E		
1929	1929	Hamilton Metal Smelting Works (storehouse), Dominion Auto Wrecking
Address: 131 Bay St N, ~215 m south of Zone E		
1961	1961	Hamilton Auto Supply Ltd.
Address: 133 Bay St N, ~215 m south of Zone E		
1980	1980	W Diesel Service
Address: 134 Bay St N, ~190 m south/southeast of Zone E		
1971	1980	Steve's Automotive Transmission Service
1964	1964	Burl Chemicals Ltd.
1961	1961	Benny's Garage
1954	1954	Bell Warehouse
1934	1954	W. Kee Towing Service, Kee's Garage, Bob's Welding
1915	1915	Hamilton Engineering Works Gas Works
Address: 136-160 Bay St N, ~130 m south/southeast of Zone E		
1964	1980	Bell Canada Constriction & Engineering Division, warehouse

Address: 140 Bay St N, ~130 m south/southeast of Zone E		
1902	1902	Hamilton Gas Light Co.
Address: 169-183 Bay St N, ~20 m south of Zone D		
1952	1952	North Side Storage, Leather Cartage, National Products
Address: 171-183 Bay St N, ~20 m south of Zone D		
1939	1946	H.H. Leather Cartage, Cranford Cartage, North Side Storage, Central Ontario Transport, Schell Transport Ltd.
Address: 177 Bay St N, ~20 m south of Zone D		
1980	2004	City of Hamilton Central Garage
Address: 204 Bay St N, ~40 m east of Zone E		
2000	2000	Gary's Auto Repair
Address: 206 Bay St N, ~40 m east of Zone E		
1952	1971	Mar-King Auto Service
Address: 231 Bay St N, adjacent east of Zone E		
1921	1961	Bridge and Tank Co. of Canada/Hamilton Bridge Co. Ltd.
Address: 266 Bay St N, ~100 m east of Zone D		
1915	1915	Dom Rag and Metal Company
Address: 268 Bay St N, ~100 m east of Zone D		
1980	2009	Bertozzi Roofing & Sheet Metal
1975	1975	Manor Building Products
1955	1955	Modern Auto Parts
1924	1924	Hamilton Mattress Co.
1921	1924	Ontario Mill Stock & Metal
Address: 271 Bay St N, adjacent to Zone D		
1934	2009	White Star Auto Wreckers
1939	1940	M. Mandel Auto Wrecking
Address: 272-276 Bay St N, ~100 m east of Zone E		
1975	1975	Hannaford Geo & Sons Ltd. (yards)
Address: 273-279 Bay St N, adjacent to Zone D		
1929	1945	Hamilton Auto Wrecking
Address: 275-279 Bay St N, adjacent to Zone D		
1950	1991	Bay Auto Wreckers
Address: 276 Bay St N, ~100 m east of Zone D		
1980	1980	Bertozzi Roofing & Sheet Metal
Address: 281 Bay St N, ~50 m northeast of Zone D		
1971	2009	Patco Chemicals Ltd.
Address: 283 Bay St N, ~70 m northeast of Zone D		
1995	1995	Bay Auto Wreckers Ltd.
Address: 325 Bay St N, ~220 m north of Zone D		
1930	1971	Canada Ice & Coal Co., Laugher Coal & Coke, Hamson Coal
1961	1961	Acorn Lumber Co.
1955	1955	Hamson Coal

1955	1955	Synthetic Oils and Chemicals
Address: Not provided, west side of Caroline St N, between Ellen St and Barton St W, south of Zone B		
1886	1886	M Wilson & Co., manufacturers
Address: 120-130, 131-139 Caroline St N, 17 Mill St, at least 50 m southwest of Zone E		
1985	1985	Vacant
1946	1980	Sam's Auto Wrecking
1934	1934	S. Rochwerg, junk
Address: 133 Caroline St N, ~175 m southwest of Zone E		
1954	1954	Bridge & Tank Co.
Address: 2 Harriet St, ~50 m southwest of Zone E		
1971	1980	Caroline Steel and Pipe Supply Ltd., Hamilton & Southern Ontario Steel Sales
1952	1954	Waxman & Sons, scrap metal
Address: 5 Harriet St, ~100 m southwest of Zone E		
1964	1971	X-Pert Metal Finishing Ltd.
Address: 28 Harriet St, ~100 m west of Zone E		
1980	2009	Penn Elevator Ltd., Schindler Elevator Corp.
Address: 29 Harriet St, ~125 m southwest of Zone E		
1975	1975	Penn Elevator Ltd.
1952	2013	S. A. Felton & Son/Felton Brushes Ltd.
1952	1952	Kist Beverages
1915	1921	Harper-Presnail Cigar Co.
Address: 151-153 Hess St N, ~250 m southeast of Zone B		
1961	1990	National Paper Goods
Address: 195 Hess St N, ~150 m southeast of Zone B		
1985	2004	Melo's Auto Sales, Hess Auto Body, MC Automotive
Address: 215 Hess St N, ~60 m southwest of Zone B		
1980	1980	A. Cupido Haulage
1961	1964	Risidore Brothers, heavy machinery movers
Address: 19 Mill St, ~180 m southwest of Zone E		
1985	1985	DeMan Construction Inc.
Address: 66-67, 69 Mulberry St, ~140 m southeast of Zone E		
1869	1886	Hamilton Gas Light Co.
Address: 84 Mulberry St, ~110 m southeast of Zone E		
1902	1902	Gas Light Works Co.
Address: 99 Mulberry St, ~140 m southeast of Zone E		
1908	1929	Gas Company
Address: 108 Mulberry St, ~140 m southeast of Zone E		
1921	1929	Hamilton Tar Products Co./Hamilton Tar & Ammonia Co.
Address: 133 Park St N, 135-141 Park St N, ~205 m southeast of Zone E		
1934	1995	Union Gas Substation/Warehouse
1929	1929	United Gas & Fuel Co. warehouse
Address: 141 Park St N, ~205 m southeast of Zone E		

1990	1995	Canadian Iron & Metal Co., Levitt & Sons
Address: 165 or 185 Park St N, ~180 m southeast of Zone E		
1952	1964	Robinson Electric
Address: 225 Park St N, ~110 m east of Zone E		
1952	1952	Charles Scime, bleach manufacturer
Address: 182 Queen St N, ~170 m southwest of Zone B		
1961	1964	Ed's Excavating
Address: 198 Queen St N, ~110 m southwest of Zone B		
1961	1975	Barney's Iron & Metal Co. Ltd.
Address: 200 Queen St N, ~115 m southwest of Zone B		
1990	2013	Hamco Heating & Cooling
1971	1975	Thomson-Gordon Ltd., Bulldog Lacer Co. of Canada, packings and wire belt lacings
1915	1961	Garlock of Canada (packaging), Moto-Meter Co.
Address: 203 Queen St N, 190 m southeast of Zone B		
1971	2004	Nickleson Tool & Die Co., Ribesa Tool & Die Ltd.
Address: 206-208 Queen St N, ~90 m southwest of Zone B		
1964	1971	M&W Sheet Metal , Mountain Sheet Metal Ltd.
1961	1961	Niagara Auto Body
Address: 208 Queen St N, ~90 m southwest of Zone B		
1975	1975	Thomson-Gordon Ltd., Plant No. 2
Address: 234-236 Queen St N, ~80 m southwest of Zone B, ~100 m south of Zone A		
1995	1995	Swift Devices Ltd.
1971	1975	Thomson-Gordon
Address: 236 Queen St N, ~80 m southwest of Zone B, ~100 m south of Zone A		
1990	2013	Swift Devices Ltd.
Address: 237 Queen St N, ~125 m southwest of Zone A		
1964	1964	Steel Co. of Canada
Address: 238-242 Queen St N, adjacent to Zone A		
1908	1990	Steel Co. of Canada (Ontario Works), Hamilton Steel & Iron Co. Ltd.
1880	1886	Hamilton Forging Co. (noted as 134 Queen St N)
Address: 243 Queen St N, ~75 m west of Zone A		
2013	2013	AVL Manufacturing
2009	2009	Orchid Automation Inc., Dynamic Steel Inc., Walters Inc.
2004	2013	Hamilton Metalworks Inc.
1886	1886	Rolling Mills
Address: 26-28 Railway St, ~160 m south of Zone E		
1952	1954	Cadillac Motor Sales, National Welding, Wentworth Mould & Die
1946	1946	Bowman Bronze Co.
1929	1929	Silverwood-Burke Garage
Address: 37-43 Railway St, ~120 m south of Zone E		
1961	1980	Lax Morris Scrap Metals Ltd.
1924	1924	Harry Cohen, junk

1921	1921	Western Bag & Metal Co. junk
Address: 39-43 Railway St, ~120 m south of Zone E		
1939	1954	Dominion Metal & Wiper Supply
Address: 41-43 Railway St, ~120 m south of Zone E		
1946	1954	Victory Salvage
Address: 74 Sheaffe St (inferred to be on the south side of Sheaffe St), ~20 m south of Zone E		
1915	1915	Hamilton Tar Distilling Co.
Address: 75 Sheaffe St, ~20 m south of Zone E		
1924	1924	Hamilton Tar Products Co.
Address: 85 Sheaffe St, ~20 m south of Zone E		
1975	1975	St. Laurence Resin Products Ltd.
Address: 87 Sheaffe St, also listed at Mulberry St, ~20 m south of Zone E		
1934	1975	Currie Products Ltd.
Address: North Side of Stuart St, ~20 m north of the Phase One Property		
2008	2013	CNR
1876	1886	G W R / G T R Station
1880	1886	J B Fairgrieve, coal office
1886	1886	T Myles & Son, coal dealers
Address: 41 Stuart St, ~240 m east of Zone D		
1980	1980	Hamilton Containers, Inversonics Ltd.
1939	1961	Canadian Comstock Co.
1939	1954	Morris Refrigerator Manufacturers
1908	1924	Dominion Vinegar Works
1924	1924	Beacon Electric Manufacturing
Address: 51 Stuart St, ~220 east of Zone D		
1960	1980	Naples Macaroni Co.
1924	1955	Empire Wool Stock Co.
1915	1924	Wodehouse Invigorator Ltd.
1921	1924	Zenoleum Products
1915	1915	American Computing Co.
Address: 56 Stuart St, ~20 m north of the Phase One Property		
1902	1924	CN Rail/Grand Truck Rail
1869	1869	Great Western Railway Deport
Address: 57 Stuart St, ~180 m east of Zone D		
1965	1980	Daytron Lighting Products, Shaft Products Co., Hamilton Bumper Service, North Town Auto Service
1960	1961	Silver Brothers, machinery
Address: 55-75 Stuart, ~180 m east of Zone D		
1910	1910	Goldberg Iron Company
1946	1946	Smith Transport
Address: 105 Stuart St, ~75 m northeast of Zone D		
1995	2013	Hamilton Auto Body Co.

Address: 127 Stuart St, inferred adjacent north and east of Zone D		
1971	1980	Canron Ltd.
1929	2005	Hamilton Auto Body Co./Hamilton Auto Wrecking Co.
Address: 182 Stuart St, inferred to be ~20 m north of the Phase One Property		
1886	1925	Cummer Ice & Coal, J.B. Fairgrieve & Co. (coal)
1902	1902	Hamilton Wheel & Foundry Co.
Address: 241 Stuart St, inferred ~20 m north of the Phase One Property		
1925	2000	CNR, offices and car load centre, fleet services, CN Police, GTL Transport Ltd., Raillink Southern Ontario, Clarke Transport Canada
Address: 252 Stuart St, inferred ~20 m north of Zone A		
2000	2009	MC Canada Ltd.
Address: 2 Tiffany St, adjacent south of 4 Tiffany St and adjacent west of 112 Barton St W		
1952	1971	Kurey's Garage
Address: 8 Tiffany St, adjacent to 4 and 10 Tiffany St		
1971	1971	Dunlop Tire
Address: 15 Windsor St, ~85 m south of Zone B		
1961	2013	Wood's Transport Ltd., Pack Cartage & Moving, Stanley Pack Moving & Cartage

The area surrounding the Phase One Property generally consisted of mixed residential, commercial, industrial, and institutional land uses.

4.1.6.2 Underwriter Reports and Plans

Amec Foster Wheeler contacted Opta and purchased Property Underwriters Reports, and/or Property Underwriters Plans for the Phase One Property. The significant information contained in these documents is summarized below.

Table 5: Property Underwriters Reports and Plans

Zone A – 231 Stuart St/249 Hess St N	
1983	Commercial Property Fire Rating Form – Hamilton Facing Mill, 249 Hess St N • Operations included coal grinding, pre-mix mixing, bagging and storage; • Oil fired forced air furnace.
1985	COPE Report – Imtrex Commodities Inc., 249 Hess St N • Operations included coal grinding, bagging and storage; • Coal grinding building was slab-on-grade 1-2 stories with an area of 1,401 m^2 constructed in 1952/73/75; • Office and storage building was slab-on-grade 237 m^2 constructed in 1952 with an oil forced area furnace.
1989	COPE Report – Imtrex Commodities Inc., 249 Hess St N • Buildings 1-4, constructed in 1952/57 with gas ceiling units and no basement for coal grinding, bagging and storage. • Building 5, constructed in 1920s, single story with basement, used for offices, laboratory and lunchroom. Heated with forced air oil-fired furnace. • Building 6 (brick manufacturing, sand coating), constructed in 1920 as slab on grade single story. Heated with forced air oil-fired furnace.
1989	Inspection Report – Hamilton Facing Mill, 249 Hess St N • Occupied for coal grinding, mixing and bagging, brick manufacturing and sand processing. Bricks made of bentonite, cement and sand are mixed ("Building 8") and fed to a brick press and used as an

	additive in the steel making process. Shell sand is processed using a propane/gas fired mixer which heats the sand prior to coating with resin; • Noted construction and renovation dates of 1920s, 1952, 1973, 1975, 1979, 1986; • Basements noted in "Buildings A, 1, 2, 3, 4"; • Coal arrives by truck and dumped into coal bin on the first floor of "Building 1" with a capacity of 27.2 tonnes. Coal is transferred to a hopper, processed and either bagged for shipment or pneumatically fed to bulk silos which gravity feed into trucks. "Building 2" received various pre-mix components by rail car which are pneumatically fed to storage silos. Four vertical metal storage tanks are located in the yard ("Tank 1-4") for bulk storage of pre-mixes. "Tank 5" is used for "Seacoal" backup product; • Building was at least two stories with a basement accessible from the outside only; • Dust levels were noted to have significantly improved; • Heating provided by oil fired furnace venting to brick chimney for office building ("Building 5"); • Mechanical equipment in the Coal Grinding Area ("Building 1") included a diesel pay loader, propane fork lifts, grinding machine with magnetic separator, grinding crushers and hoppers, mixer, bagging machines, and dust collection system; • Fuel oil supplied by two 1,137.5 L (250 gallon) steel tanks located in the basement; • Other heating supplies including electric wall heaters and natural gas fired suspended units; • Forty-six 204.6 L (45 gallon) drums of oil were noted for resale only and stored in "Building 4".
Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N	
2001	Facility Association Garage Survey – NK Auto Sales, 162 Barton St W • Occupied for used car sales (maximum five cars on the property) since 1999. • No vehicle repairs, painting, fuel dispensing, hoists or waste oil storage was noted; however the operation shares space with a company that services and maintains a taxi cab fleet; • Building was single storey.
1976	Site Plan – 182 Barton St W (included 198 Barton St W) • Fuel pumps depicted under steel canopy along with three other buildings; • Underground storage tanks not shown.
1988	COPE Report – Loth Auto Collision and Painting, 182 Barton St W • Occupied by a slab on grade single story auto body shop with spray painting; • Constructed in 1970 and heated with gas fired ceiling units.
2001	Inspection Report – 2001 Sandhu Gas and Co., 198 Barton St W • Noted as a slab-on-grade gas station and convenience store with no garage; • No information was available on the underground storage tanks (owner not present during inspection); and, • Gas station was noted to have four gas pumps, one diesel pump and one propane pump, constructed in 1980 with an area of 106 m^2.
2007	Risk Control Survey Report – DKs Gas Bar Inc., 198 Barton St W • Full service gas bar and convenience store, constructed in 1980 as a single storey slab-on-grade building with an area of 106 m^2; • Auto garage noted 1 m east of property; • Three supreme gas pumps, five regular pumps, one diesel pump and one propane pump were present; • A separate propane gas distribution centre was located at the southwest corner.
1980	Fire Inspection and Rate Calculation Form – 228 Hess St N, Hamilton, ON • Building (~1960) was slab-on-grade 146 m^2, heated by a natural gas fired furnace and used for fruit and vegetable storage ("Love Produce").
1982	Commercial Property Fire Rating Form – Frank's Auto Body Paint, 228 Hess St N • Building was single storey 111 m^2 in area constructed in the 1960s, heated by a natural gas fired furnace; • No painting conducted in auto body shop.
1985	COPE Report – Hamilton Iron & Metal Co., 239 Caroline St N • One storey 618 m^2 building with basement constructed in 1950; • Contained a natural gas fired forge for waste metal reclaiming.

Zone C – 128 Barton St W	
1978	Site Plan – 128 Barton St W • Finished products noted as water heaters with activities at the property including fabricating, storage, punching, sawing, welding and riveting; • Three storey office area with basement and below grade erecting/manufacturing area; • Engine room shown below grade adjacent to on grade generators at the northeast; • Furnace and soaps(?) shown below grade at the northwest portion of the building; • Transformer room shown partially below grade at the southwest corner; • Travelling crane at north portion; • Rail sidings from northwest corner to centre of Site; • Moulding shop located across Caroline St N; • Spray booth and baking at the central portion; • At north section of building: small grease room, ball mill, paint shop, boiler room and paint storage; • 3,000 gallon propane aboveground storage tank at the east portion; • Assembly occurred at the west central portion, metal fabricating at the centre and metal parts storage and shipping at the east; • Offices located at the southeast • Template shop, and switch room and transformers at the southwest; • Dwellings were noted on the east side of Tiffany St and north of Barton St (west of Caroline St N); • 115-125 Barton St W depicted T. Eaton Co. Ltd. Warehouse with additional buildings labelled garage/storage, steel storage, and developing. Two small outbuildings at the southwest of the property was labelled gasoline storage and paint storage. Two outbuildings at the northwest corner of the property were labelled “trans. house”. Two rail sidings were located along the west portion of the property.
Zone D – 4, 10, 16, 22, 26, 28 and 30 Tiffany St, 112 Barton St W	
1982	Commercial Property Fire Rating Form – Varga’s Garage, 112 Barton St W • Single storey slab-on-grade with an area of 280 m^2 heated by a natural gas fired unit heaters; • Storage and handling of 25 gallon Class II liquids. Commercial Property Fire Inspection Survey – Varga’s Garage, 112 Barton St W • Single storey slab-on-grade with an area of 280 m^2, heated by natural gas fired unit heaters; • Paint and thinner were stored in a cabinet and one solvent degreaser present. Site Plan – 112 Barton St W • Fire insurance plan, no additional concerns.
1994	MultiRisk Survey – Varga’s Garage, 112 Barton St W • In operation as an auto body repair garage with spray painting since 1968 in a 358 m^2 unit; • Building with a partial basement constructed around 1950 with additions/renovations in 1968 and 1973; • Paint booth was located in the centre section of the building, auto repair garage on the west side and body repairs on the east side; • One hoist was noted to be present; • An auto garage was noted to the left of the building.
Zone E – 115-125 Barton St W	
1974	Inspection Report – The Corporation of the City of Hamilton, 115 Barton St W • Occupied by maintenance garage and warehousing for metal castings (hydrants, valves, sewer parts); • Constructed in 1920 as a single storey with mezzanine and an area of 62.5 m^2; • Heated by natural gas fired unit heaters; • Small quantity of paints and thinners stored.

Copies of plans and reports are included in Appendix C.

4.1.6.3 Engineering Drawings

The following drawings were provided to Amec Foster Wheeler by the Client.

1982 – Dual Sewers Hess Street

Canada Iron Foundries at 175 Stuart St W shown just north of 198 Barton St W. A billboard is shown at the northwest corner of Zone B. Two buildings were shown at the east side of Zone A, labelled 231 Hess St. Hamilton Facing Mill Co Ltd was shown south of Zone A, labeled 249 Hess St. Southwest of the intersection of Barton St W and Hess St N was a borehole with the following soil description: sandy mixed fill to 1.7 m, loose cinder fill and sand to 3.2 m, silty fine sand to 3.7 m, sandy clayey silt to 5.0 m, sandy silt and fine sand to 5.6 m, silty clay to 12.7 m. Grade elevation falls from 85 m at Barton St W and Hess St N to 77.4 m at Hess St N and Stuart St.

1981 – Hess Street Road Reconstruction

The elevation of Hess St N from Barton St W to Stuart St sloped from 83.8 to 77.2 mASL. Shown along the east side of Zone B (moving from north to south) was a stockpile and billboard, 'yard', silo in a fenced enclosure, another soil attached to a large building, a square building at 228 Hess St N, and a rectangular building at 198 Barton St W with five small squares (inferred storage tank access ports). A retaining wall was shown along the 239 Caroline St N property.

1988 – Tiffany Street Sidewalk Reconstruction

Buildings depicted at 2, 8, 10, 12, 14, 16, 22, 26, 28 and 30 Tiffany St and a Wrecker's Yard at the southeast corner of Stuart St and Tiffany St. The Tiffany St road profile from Barton St W was 86 mASL down to 79.8 mASL at Stuart St. Watermain, combined sewer and gas line (to Tiffany St properties) utilities were shown in Tiffany St. A retaining wall was shown on the Rheem property (128 Barton St W).

2007 – Stuart Street Road & Sidewalk Reconstruction, Watermain Replacements

Building at 231 Hess St noted as abandoned. Rail tracks across Stuart St entering the north side of Zone A was shown as "remove old tracks". Watermains along Stuart St noted as 'abandon" and a rail line along the north side of Stuart was to be "removed". Hamilton Metal Works was shown at 252 [Stuart St]. The property line at the northeast corner of Zone A was shown as "proposed" and part of the property expropriated. A borehole (BH3) was shown drilled adjacent to the north boundary of Zone A. The soil was noted as asphalt, concrete and crushed limestone over ~1.8 m of fill overlying fine sandy silt. Two boreholes north of Zone B on Stuart St consisted of asphalt over concrete overlying silty sand (fill) becoming silty clay/clayey silt. Three (3) rail tracks at Caroline St N were noted as "remove 3 old tracks". Boreholes drilled on Stuart St between Tiffany St and Bay St N consisted of asphalt over concrete, overlying sand, sandy silt and clayey silt/silt clay.

1964 – Canada Iron Foundries New Stool Foundry General and Preliminary Design Plan

The building was shown as L-shaped reaching close to the north boundary of Zone B. An 18" tile sewer, noted as "to be abandoned" was shown traversing diagonally southwest to northeast with the northeast portion noted as "could not be located". The yard east of the proposed building was labelled as asphalt paving. A small square building was shown adjacent south of the proposed foundry and noted at "existing oil storage building to be demolished". At least six existing foundations were shown within the proposed building. An existing rail track traversing the north portion of the property was noted as "existing railtrack to be relocated by C.I.F.". The general location plan identified the existing alloy shop at the south part of the property, and an existing "H.V. Substation" at the southwest corner. An existing foundry was shown on the east with an existing office at the northeast corner. A rail line traversed along the north portion and a second line traversed the centre of the property. Transformer was noted at the west side.

1968 – The Steel Company of Canada

The plan was unclear in areas; however, depicted the industrial complex west of the Phase One Property, across Stuart St. The property included a blacksmith shop, tool shop, 500 gallon light fuel tank, large circular Bunker C fuel oil tank and fuel oil sump, grinding shop, garage, settling tank, scale pit and large boiler room.

4.1.6.4 Articles

As noted in "*Footsteps in Time, Exploring Hamilton's Heritage Neighbourhoods,"* Volume I, written by Bill Manson, 2003, Central Park: In 1900 the park was a natural valley named the Caroline Street Gully. It was used for decades as a garbage dump and sewage site for a local brewery and a gas works. In 1976 the property was purchased by the City. (4)

A newspaper article from the Hamilton Spectator in 1883 (reproduced, source not verified) commented on Caroline St gully being one of the first inlets to be overtaken by urban development in the 19th century. The construction of the Great Western Railway line in the 1850s caused the inlet to be cut off from the lake, causing the water in the inlet to become stagnant. Household, commercial and other wastes such as decaying vegetable and animal matter, began being disposed into this gully. In 1883 the accumulated waste in the gully was noted as a nuisance and public health concern. (5)

From the Hamilton Spectator, "Good future for homes despite cost," dated 19 February 1968, Rheem manufactured glass-lined domestic water heaters; however its main manufacturing line was shipping containers or drums mass produced from sheet steel for the chemical, petroleum, and food industries. Some containers were also constructed from stainless steel or aluminum. Transformer casings were also noted to be manufactured at the plant.

From the Hamilton Spectator, date unknown, "150 refuse to work after spill at Rheem", noted a spill of about 240 millilitres of isocyanate in a portion of the assembly area *[1.9 litres spillage noted in additional article]*.

The Canadian Mining Review, 1896 as viewed at the Hamilton Public Library, noted the opening of Hamilton Iron and Steel Co. Ltd. with 75 acres of land transferred from adjoining city limits on Burlington Bay, Township of Barton. The company was provided the right to fill in and occupy the water front out to a line of 8 feet of water, which was estimated to add at least 75 more acres and "make an excellent cinder dump".

An article from the Hamilton Spectator, date unknown, entitled "Janitor's clean sweep turns up old dynamite," noted six sticks of dynamite found in an "old basement" in the Rheem facility. It was the opinion of the worker that the dynamite may have been left over from when the site was used dung the Second World War for arms manufacturing. An online article through McMaster University digital collections entitled, "Your Child, Your Home, Your Loved Ones": Hamilton during the Second World War, date unknown, noted International Harvester and the Hamilton Bridge Company constructing heavily armoured vehicles for the war effort around 1940. Additional information noting the war efforts on the Phase One Property has not yet been identified.

From the Hamilton Spectator, 23 July 2010, "Province scrambles to deal with mystery barrels," up to 200 barrels of unidentified and mislabelled chemicals were identified in the dilapidated buildings at 249 Hess St, formerly owned by Imtrex Commodities and abandoned for decades. An article from The Record, 28 July 2010, "Orders pile up on derelict site," noted the property had been abandoned for decades and received orders from the City of Hamilton and MOECC to have the chemicals tested and disposed of. Prior to the sale of the property in 2005 to a Toronto developer, the MOECC identified 38 products requiring disposal stored in sealed barrels containing Imtrex products such as sand. An order was previously issued to the developer to raze three smaller buildings that were unstable due to a fire, which was complied with. The barrels were thought to have appeared on the property after 2005. An article from the Hamilton Spectator, 01 April 2016, "Barrel pollution at 249 Hess Street North has high levels of toxic heavy metals," noted 50 barrels of liquid contaminated waste with high levels of metals were spilled on the property with up to 6,000 litres of reddish liquid with pooled rainwater being removed using a vacuum truck [due to vandalism]. An unknown amount entered the sewer catch basin. City's test results on the liquid noted levels of copper, nickel and chromium higher than the allowable levels under the City's sewer use bylaw. A News Release on the City of Hamilton website, 01 April 2016, "Update on 249 Hess Street North, released the sampling results showing levels of copper at 6.43 mg/L, nickel at 18.2 mg/L and chromium at 234 mg/L. It noted same day as the news release, the remaining barrels were located into the four sea containers on the property and the doors welded shut.

4.2 Environmental Source Information

Table 6: Regulatory and Database Information

Title	Date	Findings
Inventory of Coal Gasification Plant Waste Sites in Ontario (MOE) and Inventory of Industrial Sites Producing or Using Coal Tar and Related Sites in Ontario (6)	April 1987 and November 1988	The Hamilton-Mulberry Street gas works was a large retort coal gasification plant operating from the 1850s to mid-1920s by the United Gas and Fuel Co. of Hamilton and Hamilton Gas Light Co. The plant was mostly located on the south side of Mulberry St between Bay St N and Park St N with a large 7,075 m^3 capacity

Title	Date	Findings
		gas holding tank on the north side of Mulberry St. Hamilton Tar Products Co. Ltd .(1901-1910); Dominion Tar and Ammonia (1910-1914); Hamilton Tar and Distilling Co. (1914-1917) Hamilton Tar and Ammonia Co. (1919-1924); Hamilton Tar Products (1925-1929); Currie Products Ltd. (1929-1977) was located on the east side of Caroline St between Mulberry and Sheaffe Sts operating between 1901 to 1977 for coal tar distillation and roofing felt manufacturing. The property was 1.3 hectares and operating as a park at the time of the inventory. Sewers, watermain and gas were noted underground along the old alignment of Caroline, Mulberry and Sheaffe Sts (now centre of park). Approximately 0.6 m of soil was removed from the property during plant demolition in 1979. Above and underground storage tanks noted to be present. No visible wastes were observed during inventory. Estimated 150,000 gallons of liquid and semi-liquid tar were removed from the property during demolition.
Waste Disposal Site Inventory (7)	June 1991	A waste disposal site was listed Near Sheaffe St and Bay St, ~280 m from the southeast corner of 115-125 Barton St W (landfill is mapped at Bay St N and Cannon St W)
City of Hamilton (Contacted for records of environmental regulatory non-compliance concerning the Phase One Property)	11 December 2017	The response noted a landfill within 500 m of the Phase One Property. A violation of the City of Hamilton Sewer Use By-law 14-090 was noted for a spill occurring on 30 March 2017 at 249 Hess St N which contained chromium, nickel, and copper.
Ministry of the Environment (Electronic search of records since 1985 for outstanding actions, violations, control orders, summons, complaints, spills hazardous waste documents, or certificates of approval for the Phase One Property)	-	Response not provided at time of report preparation, unless noted below. <u>228 Hess St N</u> A CofA was issued to 687224 Ontario Inc. for a waste management system for non-hazardous solid industrial waste issued in 1999 and 2004. 687224 Ontario Inc. was a hazardous waste generator of other specified inorganic sludges, other polymeric wastes and waste oils/sludges. B&M Metal Recycling was a registered waste generator in March 1995 in for inorganic solids and sludges, other polymeric wastes and oil skimmings and sludges. An Occurance Report for B&M Metal Recycling in 1996 for a sweating furnace controlled by a scrubber to be replaced by a baghouse. An Occurance Report in 1997 for black smoke coming out of furnace.

Title	Date	Findings
		MOECC correspondence detailed Site process as wire was received from various sources (e.g. hydro and City) and put through a chopping line to recover copper and lead and then through a furnace to burn off plastic/rubber. A separate line separated lead pieces from car waste. <u>239 Caroline St N</u> MOECC chronology of the Site regulatory processes noted in 1978 scrap wood being burned and application of transformer oil to the parking lot that ran off to the gutter. A generator registration report from 1986 noted generator periodically buy transformers from public utilities only if accompanied by a letter that states PCB content is under 50 ppm. <u>112 Barton St W</u> A Certificate of Approval was issued to Joseph Varga for a paint spray booth in 2009. A Site Inspection Report completed in 2015 noted the property was no longer in operation and was sold to the City of Hamilton in 2010. No residual wastes from the operation were observed on the property. <u>166 Barton St W</u> An Occurrence Report in 1991, nothing noise complaints due to Rheem Canada. <u>170 Barton St W</u> An Occurrence Report in 1990, noting the Hamilton Iron & Metal company (239 Caroline St N) was burning wire outside and not using incinerator. Could not be proven, complaints occurred on days when workers burned wood in barrels to keep warm. <u>176 Barton St W</u> An Occurrence Report in 1995, noting noise compliant due to pounding at B&M Metal Recycling. An Occurrence Repot in 1993, noting B&M Metal Recycling recycling electrical insulators and having black smoke emissions. An Occurrence Report in 1990, noting a loud hum from Hamilton Iron & Metal. <u>178 Barton St W</u> An Occurrence Report in 1995, noting white smoke and strong chemical odour from B&M Metal Recycling. Noted as short term, possibly from operation of furnace. An Occurrence Report in 1995, noting back smoke billowing out of stack, due to backdraft. <u>180 Barton St W</u> An Occurrence Report in 1995 noting B&M Metal Recycling (239 Caroline St N) was

Title	Date	Findings
		emitting a strong burning plastic odour and smoke from main stack was much darker than usual with emissions from smaller hooded stack. In speaking with company, they were burning greasy lead cable. An Occurrence Report in 1993 noting B&M Metal Recycling emitting a terrible burning odour and white smoke. Company was noted to change procedures and cool wires in building. Dust-vol jars were noted around property to provide monitoring data. An Occurrence Report in 1993 noting B&M Metal Recycling emitting a strong odour and white smoke from stack. Caller drove around plant and noted soot and ashes blowing around. Ongoing abatement work with company as per conditions on Certificate of Approval was noted. 198 Barton St W Registered waste generator (#ON9693562) for waste class 251 (waste oil and sludges). No records were identified concerning 162, 164, 168, 174 Barton St W and 16, 28 Tiffany St W. *Records from the MOECC regarding 128 Barton St W and 115-125 Barton St W have not yet been received.*
Technical Standards and Safety Authority (TSSA) Information concerning presence of petroleum storage tanks, fuel spill records, accidents or fuel-related incidents which may be registered for Phase One Property or surrounding properties.	22 November 2017 24 November 2017 29 December 2017 (16 January 2018)	TSSA contacted by email. Amec Foster Wheeler was notified of the following: • 198 Barton St W: five shut down liquid fuel tanks and 1 expired propane tank. No records of fuel tanks were noted for the remaining properties at the Phase One Property.

Table 7: EcoLog ERIS Data

Address	Findings
Block A 249 Hess St N	• Imtrex Commodities Inc. with a CofA for an inferred conveyor and dust collector in 1988; • City of Hamilton registered waste generator (#ON4834925) in 2017 for other specified inorganic sludges, slurries or solids, miscellaneous wastes and inorganic chemicals, alkaline solutions, waste crankcase oils and lubricants, waste oils/sludges, acid solutions – heavy metals, miscellaneous waste organic chemicals, petroleum distillates; • Spill of 6,000 L of sludge, water to abandoned shipping yard, contained and cleaned in 2016; • Hamilton Hydro & Engineering listed for a spill of 810 L of mineral oil to the ground over an unknown time period in 1995 due to vandalism. Soil contamination was confirmed.
Block B 239 Caroline St N [also 228 Hess St, 259 Caroline St N, 175 Stuart St]	• 687224 Ontario Inc./B&M Metal Recycling had CoA approved for waste management systems in 2004; approval for discharge into the natural environment (i.e. Air) in 1996, 2001 listed for B&M Metal Recycling at 228 Hess St; registered waste generator (#ON1734701 and ON1734700) of waste oils and lubricants, other specified inorganics,

Address	Findings
	other polymeric wastes and oil skimmings and sludges for the years 1993-2010; described as involved in scrap metal from automobile wrecking; • B&M Metal Recycling with a CofA for an exhaust system for fumes and dust related to loading and unloading the batch type furnace and pouring of lead ingots and an exhaust system for particulate emission from a material handling system, rotary choppers and sifting screens in 2008; • B&M Metal Recycling listed with in-use PCB-containing equipment in 1999 in the foundry electrical room consisting of capacitors with ~107 L of PCB-containing fluid; • 228 Hess St noted for a spill of transformer oil to concrete in 2011 with an environmental impact not anticipated; • Hamilton Iron & Metal Co. (generator #ON0579100) at 239 Caroline St N was acknowledged for waste generation for the years 1986-1994; in-use equipment was noted to contain 45 L of askarel PCB fluid in 1989/90; the company was coded as steel works, blast furnaces and rolling mills; • Can Am Plastics NA Inc. at 259 Caroline St N had a CofA for a baghouse for plastics recycling plant; • Brandard Corp. listed at 175 Stuart St listed as a generator (#ON1546700) for other specific inorganics in 1992-1998.
Block B 182 Barton St W	• Thomas S Loth (Loth Auto Collision Centre) with a CofA for a paint spray booth in 2008.
Block B 194 Barton St W	• An incident of carbon monoxide release in 2010 from fuel oil at a private dwelling.
Block B 198 Barton St W	• DK's Gas Bar listed as an expired facility in 2009 previously containing up to four gasoline 25,000 L single wall steel USTs and a 25,000 L diesel single wall steel UST installed in 1985; • City of Hamilton registered as a waste generator (#ON9693562) for oil skimmings and sludges in 2015; • Sunny Gas Co. and Sandhu Gas & Co. listed as a service station.
Block C 128 Barton St W **Records only available for Rheem Canada Ltd.*	• Listed as having a CofA for installing two paint spray booths in 1993; a process vent and a preheat furnace in 1995; a porcelain enamel bake furnace in 1993; two heaters exhausting through stack 18.3 m above grade in 2000; • CofA in 2004 noted paint spray booths, enameling furnace, water-only parts washers, water vapours discharge, welding exhaust systems, rigid foam application system exhaust using isocyanate and polyol resins, and natural gas fired pre-heat oven, duct furnaces, tube heaters, unit hears and furnaces; • Waster generator (#ON9335943) for paint/pigment/coating residues, inorganic laboratory chemicals, polymeric resins, oil skimmings and sludges, acid wastes – heavy metals, alkaline wastes, aliphatic solvents, petroleum distillates, halogenated solvents, emulsified oils, waste oils and lubricants, detergents/soaps, organic laboratory chemicals, waste compressed gases, for the years 1986-2006, 2009; • Listed as metal tank (heavy gauge) manufacturing, heating equipment and major appliance manufacturing established in 1945 with 220 employees; • Spill of 20 gallons of hydraulic oil to ground and catch basin in 2005 with possible soil and surface water pollution; • Geotechnical boreholes drilled on the south portion of the property in 1963 indicated soil consisted of fill, sand, silt, cinders to 7.4 mbgs changing to clay, silt and gravel to the depth of the borehole (18.7 mbgs) and sand and silt changing to clay around 2.1 to 4.3 mbgs to the depth of the boreholes (9.4 mbgs and 18.3 mbgs); a borehole in the central portion indicated fill, sand and cinders near surface changing to sand and clay to the depth of the borehole (6.4 mbgs); a borehole at the east central portion identified fill at surface overlying sand and silt to 2.1 mbgs changing to clay and silt to the depth of the borehole (21.6 mbgs); borehole at the north portion found fill, sand and brick to 1 m overlying silt and sand with a peat layer around 5.2-6.7 mbgs overlying clay, silt and gravel to the depth of the borehole at 9.6 mbgs, water identified as stabilized at 79.8 m;

Address	Findings
	• Listed under NPRI for discharged to air consisting of methylenebis(phenylisocyanate), calcium oxide, HCFC-141b, polymeric diphenylmenthane diisocyante, carbon dioxide, carbon monoxide, iron, sulpur dioxide, aluminum, nickel, zinc, methane, nitrogen oxides, manganese, volatile organic compounds and particulate matter during the years 1993-2006.
Block D 112 Barton St W	• Joseph Varga with a CofA for a paint spray booth in 2009.
Block E 115-125 Barton St W	• City of Hamilton Maintenance Compound listed as a registered waste generator (#ON4548081) for aromatic solvents, waste compressed gases, organic laboratory chemicals, light fuels, petroleum distillates, inorganic laboratory chemicals, oil skimmings and sludges, other specified inorganics, aliphatic solvents, paint/pigment/coating residues, waste oils & lubricants, acid wastes – heavy metals, heavy fuels, PCBs, organic acids, and alkaline wastes – heavy metals for the years generally between 1989 and 2017; • Listed under the National PCB database for 594 kilograms (kg) with low PCB content (50-10,000 parts per million) stored for disposal in 1995/96; listed in the Ontario PCB database in 1995 for nine drums of high level PCB-containing light ballasts weighing 1,800 kg; listed under the Ontario PCB database with 6 drums of high level PCB-containing light ballasts and 1,200 kg of ballasts with high level of PCBs in 1999, 2000, 2003 and 2004; listed in the Ontario PCB database in 2012, 2013 for one drum with high level PCB-containing ballasts weighing 3 kg; • Listed as a transfer station for PCBs in 1997-2008.

Surrounding Properties

Address	Distance from Phase One Property	Findings
East side of Caroline St between Mulberry and Sheaffe Sts	~20 m south of Zone E	• Currie Products Ltd listed as a coal tar distillation plant and roofing felt manufacturer with a property size of 1.3 hectares; • Operating period between 1901-1977; • Property sold to the City of Hamilton in the late 1970s and the city demolished the site in 1979/80, whereby 0.6 m of soil was noted to be removed from property during plant demolition in 1979 and 150,000 gallons of liquid and semi-liquid tar waste. • Noted as one of the first coal tar distillation plants in Ontario and operated under several owners from about 1901 to 1917, with Currie Products operated the site from 1929 to closure in 1977; • Originally processed coal tar from the Hamilton city gas works located at Mulberry and Bay Sts and in in later years processing coke oven tars from the Hamilton By-Product Coke Ovens and Stelco; • Products manufactured in 1919 included creosote oils, pitch, naphtha, naphthalene, tarred paper and roofing felt; • Products listed in 1967 included creosote, disinfectants, oils, paints, pitch, road tar, refined tar and wood preservatives; • The potential for environmental impact, based on the period of operation and subsurface conditions from similar sites, concluded contaminated groundwater and soil likely exist at the property. Migration of contaminated groundwater is also likely along the bedding material of buried utility lines and sewers that transect the park along the former alignment of Caroline St.

Address	Distance from Phase One Property	Findings
252 Stuart St	~20 m north of Phase One Property	• M.C. of Canada listed as a paint, coating and adhesive manufacturer established in 1915 with three employees.
241 Stuart St	~20 m north of Phase One Property	• CN Railway approved in 1999 for a waste water CofA for a water product extraction trench; registered waste generator (#ON0013110) for petroleum distillates, acid wastes – heavy metals, oil skimmings and sludges, waste oil and lubricants, alkaline wastes, and light fuels for the years 1986-2001; non-compliance with CofA for discharge of total petroleum hydrocarbons in 2003 in sewage; listed as a private fuel outlet with 1,885 L capacity in 1993; approval for a permit to take water in 1999; spill of 45 L of diesel from tank pipe in 1993 with possible soil contamination; unknown quantity of diesel fuel flushed from drain during heavy rain in the year 2000; CofA for a stormwater management works consisting of an oil/grit separator and relevant storage areas. • Regional Municipality of Hamilton-Wentworth was listed for an expired self-serve fuel outlet with a liquid fuel tank in 1997; registered generator (#ON0217724) for PCBs in 1993-1998; listed in the National PCB database for 3,450 kg of PCB-containing equipment in 1996; listed in the Ontario PCB database for 5,580 kg of low level PCB-containing equipment in 1995; listed as a transfer station for PCBs for the years 1994-2008; • Transport Route Canada Inc. was a registered waste generator (#ON0099207) for aliphatic solvents in 1986-1989, 1992-1998; • Southern Ontario Railway was listed as a registered waste generator for other specified inorganics, aliphatic solvents, waste oils and lubricants, paint/pigment/coating residues, light fuels, petroleum distillates, emulsified oils, oil skimmings and sludges and detergents/soaps in 1999-2017; spill of 100 L of gasoline to ground from tank car in 2014; • City of Hamilton was a registered waste generator (#ON9029064) for paint/pigment/coating residues, inorganic laboratory chemicals, PCBs, and waste oils and lubricants for the years 2009; • Hamilton Police Services was a registered waste generator (#ON7811925) for aliphatic solvents and waste oils and lubricants for the years 2002-2008.
Barton St W, 2nd Pole west of Hess St N	~75 m west of Zone B	• Leak of 227 L of non-PCB transformer oil to the ground with possible soil contamination in 1995.
177 Bay St N	~20 m south of Zone E	• City of Hamilton registered waste generator (#ON0062437 and ON0062403) for waste oils & lubricants, aliphatic solvents, inorganic laboratory chemicals, halogenated solvents, organic laboratory chemicals, petroleum distillates, light fuels, oil skimmings and sludges in the years 1986-2017.
195 Barton St W	~20 m south of Zone B	• Outdoor Works Ltd was a listed pesticide operator.
271 Bay St N	~25 m east of Zone D	• White Star Auto Wreckers Ltd was listed for automobile wrecking and recycling.
Sheaffe & Bay	~20 m south of Zone E	• Closed landfill near Sheaffe and Bay Sts, ending at Railway St pre-1970s for rural municipal/domestic waste.
243 Queen St N	~150 m west of Zone A	• AVL Manufacturing Inc. was listed for a CoA in 2013 for two paint spray booths. Registered waste generator (#ON9561337) for aliphatic solvents, oil skimmings and sludges, aromatic solvents, organic laboratory chemicals, organic tannery wastes, waste oils and lubricants, petroleum

Address	Distance from Phase One Property	Findings
		distillates, polymeric resins, waste compressed gases, inorganic laboratory chemicals, paint/pigment/coating residues for the years 2007-2017; • Stelco Steel was a registered waste generator (#ON0009519) for steel making residues, oil skimmings and sludges, PCBs, inorganic laboratory chemicals, organic laboratory chemicals, and waste oils and lubricants in 1986-1998. • Hamilton Metal Works Inc. was a registered waste generator (#ON1847201 and ON5746395) for aromatic solvents, petroleum distillates, alkaline phosphates and emulsified oils from 1998-2002, 2005.
168 Bay St N	~100 m southeast of Zone E	• City of Hamilton was a registered waste generator (#ON2713003) for light fuels and emulsified oils in 2013-2017.
28 Harriet St	~100 m west of Zone E ~150 m south of Zone B	• Westinghouse Canada Inc. Elevator Division, registered waste generator (#ON0187126) for waste oils and lubricants for the years 1986-1997; • Schindler Elevator Corporation registered waste generator (#ON2535143) for oil skimmings and sludges and waste oils and lubricants for the years 1994-2006.
29 Harriet St	~130 m southwest of Zone E	• Felton Brushes Limited was listed for abrasive product manufacturing established in 1933.
236 Queen St N	~80 m southwest of Zone B	• Swift Equipment listed a semiconductor and other electronic component manufacturing and stamping established in 1947 with 12 employees.
200 Queen St N	~115 m southwest of Zone B	• Hamco Heating & Cooling Ltd. was a registered waste generator (#ON1994200) for petroleum distillates from 1995-2001.
160 Bay St N	~130 m southeast of Zone E	• Bell Canada registered for two 25,000 L gasoline single wall fiberglass USTs installed in 1990 as a private fuel outlet; registered waste generator (#ON0473603) for pathological wastes, oil skimmings and sludges, waste oils and lubricants, neutralized wastes – heavy metals, petroleum distillates, acid wastes – heavy metals, paint/pigment/coating residues, PCBs, light fuels, aliphatic solvents, organic laboratory chemicals, waste compressed gases, alkaline wastes – heavy metals, and inorganic laboratory chemicals generally for the years 1986-2017.
195 Hess St N	~150 m southeast of Zone B	• Hess Auto Body Limited with a CofA for an automotive paint spray booth in 2002.
57 Stuart St	~180 m east of Zone D	• Hamilton-Wentworth School Board was a registered waste generator (#ON0300908) for photoprocessing wastes, petroleum distillates, acid waste – heavy metals, alkaline wastes – other metals, PCBs, paint/pigment/coating residues, waste compressed gases, organic laboratory chemicals, inorganic laboratory chemicals, acid waste – other metals for the years 1986-2017; listed in the National PCB database with 1,800 kg of PCB-containing material stored for disposal in 1996; listed in the Ontario PCB database for two drums with high level PCB-containing ballasts and 400 kg of high level PCB-containing light ballasts in 1995; listed in the Ontario PCB database with two drums and 400 kg of high level PCB-containing ballasts in 1998; listed in the Ontario PCB database with 92 drums and 18,400 kg of high-level PCB-containing ballasts in 1999/2000; listed as a transfer station for PCBs in 1994-2008.

Address	Distance from Phase One Property	Findings
203 Queen St N	~190 m southeast of Zone B	• Ribesa Tool & Die Company Ltd., was listed as mining and oil and gas field machinery and metal working established in 1987.
50 Murray St W	~170 m east of Zone D	• GUPM Construction Managers listed as an elevator and escalator installation contractors with a waste generator number ON6549780; • Mission Services of Hamilton Inc. filed a Record of Site Condition in 2011 to full depth site condition standards with potable ground water condition and residential / parkland / institutional property use.
94 Cannon St W	~240 m south of Zone E	• Canadian Iron & Metal Co. was a registered waste generator (#ON0565000) for the years 1986-1994; • Impressive Printing Inc. was listed as a printing company established in 1982.
136 Cannon St W	~210 m south of Zone E	• 1195609 Ontario Ltd/Wilson Trucking/Crescent Fuels Ltd./Fisher Distribution were listed for an expired gasoline/diesel tank(s). • Crescent Oil Co. of Canada Ltd noted to be established in 1905 with six employees; registered waste generator (#ON3713348) for halogenated solvents, waste oils and lubricants, petroleum distillates, and light fuels in 1986-2001, 2004-2004, 2010-2016; spill of 300 L of hydraulic fluid to the ground and storm sewers in 1990.
127 Bay St N	~220 m south of Zone E	• Hamilton Auto Supply Ltd was a registered waste generator (#ON1145400) for alkaline wastes – heavy metals, waste oils and lubricants and halogenated solvents for the years 1989, 1992-1998.
133 Park St N	~205 m southeast of Zone E	• Union Gas Limited was a registered waste generator (#ON3125463 and ON9369867) for organic laboratory chemicals, light fuels, waste oils and lubricants and waste compressed gases for the years 2004-2006, 2013-2016.
107 Hess St N	~230 m southwest of Zone E	• Hamilton-Wentworth District School Board listed as a registered waste generator (#ON2658862) for paint/pigment/coating residues and other specified inorganics for the years 2014-2017.
209 MacNab St N	~210 m east of Zone E	• Hamilton-Wentworth R.C.S. School Board listed as a registered waste generator (#ON8786521 and ON5791296) for inorganic laboratory chemicals, organic laboratory chemicals, oil skimmings and sludges and light fuels for the years 2003/04, 2009, 2013.
295 MacNab St N	~250 m east of Zone D	• Hamilton Commercial Printers Inc. listed as a waste generator (#ON7771614) for photoprocessing wastes for the years 2010-2014. • Design Print & Litho Inc. established in 1992 with five employees.
74 Cannon St W	~200 m southeast of Zone E	• Olco Petroleum Group (owned by Shell) listed with an expired full serve gas station in 1992; one centimeter of liquid hydrocarbons found during borehole testing in 1992; • Shell Canada Products listed as a waste generator (#ON6744856) for oil skimmings and sludges, light fuels, and waste oils and lubricants for the years 2006-2017.
144 Queen St N	~195 m southwest of Zone E	• National Paper Goods (Envocorp) listed as a registered waste generator (#ON0129500) for paint/pigment/coating residues, aliphatic solvents, petroleum distillates, pharmaceuticals, other specific inorganics, other laboratory chemicals, polymeric resins, waste oils and lubricants,

Address	Distance from Phase One Property	Findings
		photoprocessing wastes, graphic art wastes and organic acids for the years 1986-1990, 1994/95, 1998-2006; established in 1912 with 100 employees; • Supremex Inc. listed as a registered waste generator (#ON0129500) for paint/pigment/coating residues, aliphatic solvents, petroleum distillates, pharmaceuticals, other specific inorganics, other laboratory chemicals, polymeric resins, waste oils and lubricants, photoprocessing wastes, graphic art wastes and organic acids for the years 2007/08; • Frost Insulated Panel and Door Systems Inc. listed as a registered waste generator (#ON4528102) for waste oils and lubricants for the years 2009, 2011.
Various Boreholes	-	• Borehole drilled in 2010 adjacent northwest to 128 Barton St W which identified 0.3 m of fill over sand over grey clay to 4.2 mbgs. All three layers were noted as water-bearing. • Borehole drilled in 1967 adjacent northeast to 128 Barton St W noting fill to 3 m over silt and sand to 5.8 m over clay to 18 mbgs. Water noted as stable at 85.1 m. • Borehole drilled in 1963 southwest of 198 Barton St W identified fill, sand and cinders to 3.2 mbgs, over sand and silt to 5.6 mbgs over clay and silt and gravel to 12.6 mbgs. • Borehole drilled in 1963, west of the Phase One Property, noted 3.2 m of fill, sand and silt over sand, silt and clay to the depth of the borehole (20.3 mbgs);

A copy of the EcoLog ERIS report is included in Appendix C. Only records which Amec Foster Wheeler considers as potentially affecting the Phase One Property are provided in the table above. Details for additional records, which are not anticipated to affect the soil and ground water conditions of the Phase One Property, are provided in the complete EcoLog ERIS report.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs

Aerial photographs of the Phase One Study Area were obtained from McMaster University in Hamilton, Ontario for the years 1927, 1934, 1943, 1954, 1969, 1978 and 1985 and the years 1995, 1999, 2005, 2007, 2012, 2014, 2015 and 2017 from the City of Hamilton interactive mapping website (8). An interval of approximately 10 years between each aerial photograph, subject to aerial photograph availability and scale, was deemed sufficient to characterize changes in the Phase One Study Area during its history. During periods of rapid change, an attempt was made to reduce the interval between aerial photographs to gain a better understanding of the Phase One Study Area.

Table 8: Aerial Photographs

Date Scale	Phase One Property	Surrounding Properties
1927 1:9,500	**Zone A** – Occupied by a rectangular shaped building at the northeast with driveway to Hess St N. Remaining area of the property appears developed (observations hindered due to resolution).	North of the Phase One Property was the rail yard with the roundhouse located west of Zone A, followed by Burlington Bay/Hamilton Harbour.

Date Scale	Phase One Property	Surrounding Properties
	Zone B – The north portion was occupied by two rectangular buildings in an east-west orientation and three inferred buildings/shelters perpendicular to the main buildings. A building appeared to be located at the northwest corner and smaller buildings or material storage at the northeast. A rail line ran along the north and curved southeast to exit at Caroline St N. The centre of the block appears to be occupied by driveways and possible stockpiles materials at the centre east. An L-shaped building was located at the central south portion of the block and inferred residential dwellings were located at the south along Barton St W. Sporadic inferred commercial buildings were located at the southwest. **Zone C** – A large inferred industrial building occupied the majority of the block in the centre, south and west portions. The northern portion was vacant; however two rail lines were visible entering the block from the northwest corner and travelling to the north side of the building and to the southeast. **Zone D** – Residential dwellings occupied the east side of Tiffany St. **Zone E** – A large inferred industrial building was located in the northern portion of the property, along with smaller buildings along Barton St W. The remaining area of the property appeared to be vacant.	East of the Phase One Property was vacant land adjacent east and north of Zone D, although private roadways appeared to be visible in these areas. Two buildings appeared at the southeast corner of Stuart St and Tiffany St. inferred residential or small commercial buildings were located along Bay St N. Adjacent to Zone A was a rectangular building at the southeast, a small building at the west and undeveloped land in the same block. Further west was a large industrial building across Queen St N and residential land to the south and southwest across Barton St W. South of Zone E was Sheaffe St, which joined with Caroline St N, and inferred light industrial buildings. Residential land use was visible west of Zone E. Two large circular silos were visible on the north side of Mulberry St, inferred to be associated with the gas works.
1934 1:20,000	**Zone A** – Occupied by a square shaped building at the northeast and an irregular shaped inferred industrial structure covering the south and west portion. **Zone B** – Occupied in the centre of the block by three large industrial buildings. An inferred roadway/travelling crane is shown bisecting the centre of the block. Inferred material storage was noted along the north boundary with two buildings at the northeast portion. On the south portion were inferred residential dwellings and green space (backyards) along Barton St N. A drop in elevation is shown north of the residences. **Zone C** – The block appears half occupied by a large L-shaped inferred industrial building. Rail lines are shown entering the northwest corner of the property and travelling to the southeast portion of the building. **Zone D** – Inferred residential buildings were located on the east side of Tiffany St. **Zone E** – At least three large and one very large building occupy the inferred industrial property with an inferred vacant portion at the southwest.	The rail yard was located north and west of the Phase One Property and continued to Burlington Bay. Numerous inferred industrial buildings and the rail roundhouse was visible west of Zone A. the remainder of the Zone A block included two buildings with the majority appearing to be vacant land. A drop in elevation was visible west of Zone A for the rail and inferred steel works. North of Zone D were residential dwellings and inferred vacant land. East of the Phase One Property were smaller inferred residential and/or commercial buildings. Adjacent east of Zone E were inferred commercial and residential buildings, continuing to residential/commercial land use across Bay St N. Adjacent southwest of Zone D was the intersection of Caroline St N and Sheaffe St followed by inferred industrial works (coal tar plant at southwest). Remaining areas south of the Phase One Property were inferred residential and commercial with possible small industrial buildings.

Date Scale	Phase One Property	Surrounding Properties
	Possible material storage was located south of the main building.	
1943 1:20,000	*Changes from the 1934 aerial provided below:* **Zone A** – Unable to see changes to due aerial resolution. Two buildings remain present. **Zone B** – Two buildings located in the central portion were demolished. A large rectangular inferred industrial building now occupies the central portion of the property along with two previously identified buildings at the northeast of the property. **Zone C -** An inferred travelling crane was located at the north. **Zone D** – No significant changes. **Zone E** – The area of material storage south of the main building appeared vacant with a large building constructed at the south of the property (Carpenter's Shop).	*Changes from the 1934 aerial provided below:* A large inferred industrial building was constructed on the remainder of the block in Zone A.
1954 1:17,000	*Changes from the 1943 aerial provided below:* **Zone A** – Occupied by a square shaped building at the northeast and an irregular shaped inferred industrial structure covering the south and west portion. **Zone B** – An inferred travelling crane may have been constructed at the west central portion of the property, north of the central industrial building. **Zone C** – A rectangular shaped structure was located at the southwest. **Zone D** – No significant changes. **Zone E** – An addition was constructed at the west side of the main (north) building.	*Changes from the 1943 aerial provided below:* Two large buildings were constructed on the south side of Barton St W, south of Zone A. A small to medium sized building was constructed south of Zone B at the southwest corner of Barton St W and Caroline St N. North of Zone D were numerous vehicles, indicative of an automobile scrapyard.
1969 1:480	**Zone A** – The majority of the property was occupied by building structures with differing elevations with a clear area in the central section for vehicle traffic and possible material storage. **Zone B** – The central and north portion of the block was occupied by three large inferred industrial buildings. A smaller building (inferred office) was located at the very northeast corner. Material storage was observed in the central potion between buildings, at the east and some at the northwest corner. Two smaller buildings were located south of the larger industrial facilities. Residential dwellings were located at the south portion of the block, along Barton St W. An inferred commercial building was located at the southwest corner of the block. **Zone C** – A large rectangular inferred industrial building occupied the west and central portions of the property. Vehicle parking was observed	A rail spur was adjacent west of Zone A. A large industrial facility was located adjacent south and west of Zone A and another industrial building was located further west across Stuart St. North of the Phase One Property, across Stuart St were rail lines and container storage inferred to be associated with the rail yard. North of Zone D were inferred residential dwellings and a large vehicle scrap yard at the southeast corner of Stuart St and Tiffany St. remaining buildings east of the Phase One Property appeared to be residential in nature. Southwest of Zone B were smaller inferred commercial or industrial facilities and residential land use. South of Zone B was residential dwellings and inferred container storage. South of Zone E was residential land use and Sheaffe St which intersected with Caroline St N. East of Zone E were inferred residential or commercial facilities. West of Zone E, south of

Date Scale	Phase One Property	Surrounding Properties
	at the northeast corner and two rail sidings entered the property from the northwest corner. **Zone D** – Appeared to be residential dwellings. **Zone E** – Two large buildings occupied the property generally in their current day configuration with exception of former additions at the west side and north side of the larger (north) building. A driveway entered from Sheaffe St and Caroline St N to continue to the central portion of the property. Three smaller buildings were located at the northwest corner of the property. Rail sidings may have been present along the west. Numerous small inferred fill piles were located at the east portion of the property, adjacent south of the larger (north) building.	Windsor St was an inferred automobile junk yard.
1978 1:10,000	*Changes from the 1969 aerial provided below:* **Zone A** – No significant changes. **Zone B** – No significant changes. **Zone C** – Possible building addition along the east side. North parking lot may be used for material storage. **Zone D** – Inferred residential building demolished on 32 Tiffany St, now a vacant lot used for parking. No other significant changes. **Zone E** – North building appears in its current day configuration with north and east additions removed and three buildings at northwest corner removed. Area between two main buildings appeared graded (i.e. paved).	*Changes from the 1969 aerial provided below:* Parking lot on east side of Tiffany St present. Container storage area south of Zone appeared graded (i.e. paved) and vacant.
1985 1:5,000	*Changes from the 1978 aerial provided below:* **Zone A** – No significant changes. **Zone B** – No significant changes. **Zone C** – No significant changes. **Zone D** – No significant changes. **Zone E** – No significant changes.	*Changes from the 1978 aerial provided below:* The buildings south of Zone E were demolished (with exception of the L-shaped building) into vacant land.
1995 Digital Photograph *Observations limited due to resolution.*	*Changes from the 1985 aerial provided below:* **Zone A** – No significant changes. **Zone B** – Observations were hindered due to scale. The industrial facility at the north portion appeared to be demolished. **Zone C** – No significant changes. **Zone D** – No significant changes **Zone E** – No significant changes.	*Changes from the 1985 aerial provided below:* The industrial buildings adjacent south and west of Zone A were demolished. The junkyard north of Zone D appeared to be vacant.
1999 Digital Photograph	*Changes from the 1995 aerial provided below:* **Zone A** – No significant changes. **Zone B** – The north portion of the block contained the foundations of two large former buildings. A rail line was visible along the north portion curving southeast to Caroline St N. An	*Changes from the 1995 aerial provided below:* Adjacent south of Zone A was a large inferred industrial building foundation. The junk yard north of Zone D was occupied with vehicles.

Date Scale	Phase One Property	Surrounding Properties
	inferred fence divided the north section from the large generally rectangular shaped inferred industrial building in the centre of the block with possible support buildings located to the south. Smaller buildings (inferred residential) were located along Barton St W. The southeast corner of the block appeared to be vacant. The southwest corner appeared to be occupied by a fuel service station. **Zone C** – No significant changes. Parking was observed along the eastern boundary. **Zone D** – 4 and 22 Tiffany St appeared to be demolished. Buildings occupy the majority of 112 Barton St W. No other significant changes. **Zone E** - No significant changes.	
2005 Digital Photograph	*Changes from the 1999 aerial provided below:* **Zone A** – No significant changes. **Zone B** – The northern portion of the block appeared to be partially used for material and equipment storage. Bright, reflective stockpiles (inferred metal) were located in the centre of this property and at the east section. Darker rectangular inferred piles were located in the centre west area. **Zone C** – No significant changes. **Zone D** – Material or equipment storage appears at the northeast and south portion of 4 Tiffany St N. No other significant changes. **Zone E** – No significant changes.	*Changes from the 1999 aerial provided below:* An inferred commercial/light industrial property was being graded southwest of Zone B, across Barton St W.
2007 Digital Photograph	**Zone A** – The rectangular building(s) at the northeast corner were demolished. **Zone B** – No significant changes. **Zone C** – No significant changes. **Zone D** – No significant changes. **Zone E** – No significant changes.	
2012 Digital Photograph	**Zone A** – The building in the southwest corner was demolished. Two rectangular buildings remain at the northwest and southeast. Former building foundations were visible at the northeast and southwest. The eastern portion appeared to be roughly surfaced and the northwest asphalt/concrete surfaced. Inferred water was visible bisecting the centre of the property from north to south and pooling at the north. Material or container storage was present at the northwest corner and adjacent to the northwest building. **Zone B** – The entire block was demolished and vacant. Stockpiles were visible at the north central portion. The north property was fenced on the west, north and east sides and possibly the south. A rail line was visible along the north portion curving southeast to Caroline St N. Former building foundations were visible at the	*Changes from the 2005 aerial provided below:* A large inferred industrial building located northwest of Zone A, in the rail yard, was demolished. Residential dwellings were located southwest of Zone B, across Baton St W. The junk yard north of Zone D appeared vacant with sporadic debris.

Date Scale	Phase One Property	Surrounding Properties
	north, east, central portion and southwest. Eight inferred tank lids were located at the southwest corner. Concrete blocks (vehicle barriers) were located along the south and west half portion of the block. A rail line was visible entering the centre of the property from Caroline St N. **Block C** – The block was vacant with the industrial building being demolished. The building foundations was still present. The south portion appeared to be shored due to the higher elevation of Barton St W. The block appeared to be fenced. A change in building elevation and ground surface was apparent at the north edges of the former building. **Block D** – The residential dwellings were demolished. **Block E** – Two buildings were present in their current day configuration. The central portion was asphalt/concrete surfaced. A fence was present along the east, south and partially the west portion. Material storage was present between the two buildings and at the west.	
2014 Digital Photograph	**Zone A** – No significant changes. **Zone B** – A large quality of dark stockpiled material was present at the north, centre and northeast portion of the block. **Zone C** – A large amount of dark stockpiled material was present in the northeast and extending from the centre to the southwest corner. A light brown coloured stockpile was located in the south centre. The south and eastern boundary slopes appeared graded with light brown coloured material. **Zone D** – The properties were vacant with sporadic tree growth. 4 Tiffany St was gravel/asphalt/concrete surfaced. **Zone E** – No significant changes.	
2015 Digital Photograph	**Zone A** – No significant changes. **Zone B** – Small dark coloured stockpiles remained in the centre of the block. Former building foundations were present at the southeast and southwest. The former residential dwellings along Barton St W were grassed. **Zone C** – Dark coloured stockpiled material extended east. Blue equipment or material storage was visible at the northwest. **Zone D** – No significant changes. **Zone E** – No significant changes.	
2017 Digital Photograph	**Zone A –** No significant changes. **Zone B** – The dark coloured material is not visible. Stockpiles remain in the north portion of the block. Pooled water is present in at least five locations in the north portion of the block. Some dark coloured stockpiled material were present at the south central portion of the block. The underground tank lids at the southwest were not visible. Scattered debris was present at the northeast. **Zone C** – The dark coloured stockpiled material appeared to be removed from the block. The light coloured brown centre stockpile remained in the centre of the block. **Zone D** – No significant changes. **Zone E** – No significant changes.	

Copies of the aerial photographs are presented in Appendix E.

4.3.2 Historical Survey and Maps

Subdivision Plan – 1868

The plan, provided by the Client, depicted the current Phase One Property (with exception of 115-125 Barton St W and 231 Stuart St). Eliza St bisected Zone B. Numerous smaller lots divided Zones B, C and D.

Bird's Eye View – 1876 (9)

Tiffany St, Caroline St, Hess St, Stuart St and Eliza St are present. Barton St ends at the intersection of Tiffany St. A large building is shown at the northwest portion of Zone A with tall cylindrical objects shown dispersed along the east side. Zone B was labelled as Morrison & Torrance, Engine and Boiler Works and T. Cowie & Co., Eliza St Foundry. Zone B was well developed into an industrial complex at the north portion and inferred residential dwellings adjacent southeast of Eliza St. The remaining areas of Zone B were undeveloped. The topography appears to significantly slope upward at the southwest corner of this Zone. Zone C, labelled as Hamilton Tool Co. Works, was shown with a three storey industrial complex at the west and west central portions of the property. A smaller building was located at the southwest corner of Zone C. The topography on Zone C appears to be flat along the west side and decreasing significantly from Tiffany St with two areas of higher elevation at the northwest and south west. Zone D appeared to consist of approximately five (5) inferred residential dwellings and flat topography. Zone E appears to be undeveloped undulating ravine lands.

Surrounding Properties

The area surrounding the Phase One Property was heavily developed to the east and south with more sparse development to the west. North of the Phase One Property, across Stuart St, was the rail yard with long rectangular buildings along the entirety of the northern Site boundary and rail lines beyond. Adjacent south and west of Zone A were inferred stacked materials and a rail spur. Barton St W was not excavated south of Zone A. Further west was a heavy industrial complex with twelve stacks and the rail round house. East of the Phase One Property was inferred residential dwellings at a higher elevation along Bay St N. South of Zone E was inferred residential/institutional buildings at a higher elevation. A small portion of Sheaffe St crosses the west side of Bay St N, adjacent to Zone E. Ellen St was located south of an unnamed road cut (future Barton St W).

Bird's Eye – 1893

The Bird's Eye map was viewed at McMaster University. Material storage occupied the north portion of Zone A with a rectangular three storey building occupying either the south of Zone A or adjacent to the Zone A southern boundary. Smaller buildings were located at the northwest and east sides. A rail line ran along the west side to enter an industrial building south of Zone A. Zone B was occupied by material storage and numerous industrial buildings at the north portion up to Eliza St. Following Eliza St was vacant land. A large industrial facility occupied the west and central portion of Zone C with three smaller buildings located at the northeast. Inferred residential dwellings occupied the east side of Tiffany St (Zone D). Vacant, inferred undeveloped land, occupied Zone E.

Surrounding Properties

The rail yard was located north of the Phase One Property across Stuart St with numerous buildings, including an inferred passenger station), rail lines and a row buildings at the harbour shoreline. Numerous industrial buildings were located west of the Phase One Property, adjacent to Zone A and across Queen St N. East of the Phase One Property was vacant land (adjacent to Zone D) and inferred residential or commercial buildings along Bay St N. Sheaffe St connected to Caroline St N, adjacent south of Zone E. Buildings inferred to be associated with the gas works were visible on Mulberry St. Buildings were located at the southwest corner of Sheaffe St and Bay St N with vacant, undeveloped land to the west, across Railway St, south of Zone E and across Sheaffe St. South of the Phase One Property was vacant land, inferred residential and some industrial facilities.

Survey Plan – 1850/51

The following observations were made from the "Map of the City of Hamilton, in the County of Wentworth, Surveyed and Drawn by Marcus Smith, 1850-1," as viewed online from the University of Toronto (10). The following observations were made from the historical survey:

- **Zone A** of the Phase One Property was in its current day configuration of tapering to the northeast and appeared to be divided into multiple (possible six) lots. Stuart St appeared to end at Zone A, at the intersection of Hess St N as the lots on Zone A continued to Burlington Bay. It is inferred these lots were expropriated for the current Stuart St orientation.

- **Zone B** was divided in half by Eliza St with equal lots (approximately fourteen) dividing up the north and south portions;

- **Zone C** was one block divided into approximately twenty-two lots;

- **Zone D** was divided into lots similar to the current day configuration with exception of 4 Tiffany St and 112 Barton St W which have been configured from rectangular lots to irregular shaped properties;

- **Zone E** was in its current day configuration and noted as *Andrew Miller; and;*

- This area of Hamilton appeared fairly urban with the road network well developed and most land portions divided into lots. The "Great Western Railway" rail line was shown north of the Phase One Property; however Burlington Bay shoreline was shown at the property adjacent north of Zone A. A Gas Works was located on the south side of Mulberry St between Bay St N and Park St N.

4.3.3 Historical Topographic Plans

Historical topographic maps were viewed online for the years 1909, 1915, 1919, 1931, and 1938 through the Historical Topographic Map Digitization project through the Ontario Council of University Libraries (11) and from McMaster University Historical Hamilton Portal for the years 1952, 1963, 1968, 1978, 1984 and 1996 (12).

Table 9: Topographic Maps

Date Scale	Phase One Property	Surrounding Properties
1909 1:63,360	Zone A – A small inferred wood building was located at the southwest portion of the property and a rail line traversed the west side. Zone B – Two inferred stone or brick buildings were depicted at the northeast and northwest sections with a rail siding between the two buildings to the central portion of the block. A street bisected the middle of the block (inferred Eliza St), South of Eliza St were six wood and stone or brick buildings along Barton St W, Hess St N and Eliza St. Zone C – Two large irregular shaped buildings were located at the north (brick or stone) and south (wood) of the property with two rail lines entering the northwest corner and ending at the southern building. Zone D – Unspecified although shown as developed. Entire block stamped with “GTR STA” (inferred Grand Trunk Rail Station). Zone E - Unspecified although shown as developed.	North of the Phase One Property across Stuart St were numerous rail lines with one building north of Block C and additional buildings and a brick roundhouse northwest of the Phase One Property. South and west of Block A were inferred industrial buildings followed by additional rail lines and buildings across Queen St N. South and east of the Phase One Property was unspecified although shown as developed.
1915 1:63,360	No significant changes from the 1909 topo plan.	No significant changes from the 1909 topo plan.
1919 1:63,360	No significant changes from the 1915 topo plan. Zone D – Entire block stamped with “GTR STA” (inferred Grand Trunk Rail Station).	No significant changes from the 1915 topo plan.
1931 1:63,360	No significant changes from the 1919 topo plan. Block D – Dwellings at Barton St W and Tiffany St depicted.	No significant changes from the 1919 topo plan. Buildings were depicted along the north side of Barton St W between Tiffany St and Bay St N.
1938 1:63,360	Zone A – Three buildings appear on the property at the northeast, along the west and at the southeast. Zone B – A large irregularly shaped inferred industrial building was depicted in the central portion of the property with a small building at the northeast and small buildings located along Barton St W. Rail lines entered the block from the northeast and east central areas. Zone C – A generally rectangular shaped large inferred industrial facility was depicted at the west portion with a thin built area along the south boundary. Two rail lines were depicted entering from the northwest and continuing to the east central portion. Zone D – Small buildings were located along the block, inferred residential dwellings. Zone E – One irregularly shaped building occupied the north portion of the property.	The rail yard was depicted north of the Phase One Property. Adjacent west of Block A was a single small building to Stuart St followed by numerous buildings and the roundhouse associated with the rail yard. East of the Phase One Property were smaller buildings shown along Bay St N, inferred residential or small commercial. South of Block E was Sheaffe St and two inferred industrial facilities with Railway St separating them. The remaining areas south of the Phase One Property were inferred residential and/or small commercial/industrial.
1952	Topo plan appeared the same as 1938.	Topo plan appeared the same as 1938.

Date Scale	Phase One Property	Surrounding Properties
1:50,000		
1963 1:50,000	Topo plan appeared the same as 1938.	Topo plan appeared the same as 1938.
1968 1:50,000	Zone A – Two small buildings were located at the north portion while the remainder of the property appeared to be occupied by a large inferred industrial facility predominately located south of the property. Zone B – Four buildings were depicted generally in the central and northeast sections. No buildings were depicted on the southern portion of the block; however it was shown as developed. Zone C – A large industrial facility was depicted along the west and southern portions of the property. A rail line is depicted entering from the north portion of the property and continuing to the central east portion. Zone D - No buildings were depicted although the block was shown as developed. Zone E – Three irregularly shaped buildings were located on the property.	North of the Phase One Property were the rail yards with multiple buildings and inferred water tower. A few buildings were depicted north and east of Zone D and the area was shown as developed. South of Block E was Sheaffe St and inferred commercial or industrial buildings. South of Zone A was the continuation of a large inferred industrial facility and inferred industrial or commercial buildings south of Barton St W with the remaining areas south of the Phase One Property depicted as developed.
1978 1:50,000	Zone A – Generally same as 1968 topo plan. Block B – No buildings were depicted although the block was shown as developed. Zone C – A large inferred industrial facility encompasses the entirety of the block with an undeveloped boarder around the building perimeter. Zone D – No buildings were depicted although the block was shown as developed. Zone E – No buildings were depicted although the block was shown as developed.	Adjacent south of Block A, a large inferred industrial facility encompassed most of the land to Barton St W. West of Block A, across Stuart St, was an inferred industrial facility. North of the Phase One Property were the rail yards with a large rectangular building and inferred tower northwest of Block A. East and south of the Phase One Property no buildings were depicted although the area was shown as developed.
1984 1:50,000	*Changes from the 1978 topo plan included:* Zone A – The large facility located south and on the property appeared to be partly demolished with only two new buildings depicted on the property. Zone B – Two large inferred industrial buildings were located in the central portion of the property. Two other buildings were located at the northeast and southwest portion. A landmark object (possible stack/chimney) was located at the west central portion. Zone C – One large inferred industrial property occupied the entire south and central portion of the block and into the north section in a slight different configuration than the 1978 plan. Zone D – No specific buildings depicted; however area shown as developed. Zone E – Two buildings in their current day configuration occupy the property.	*Changes from the 1978 topo plan included:* North of the Phase One Property was numerous rail lines and approximately four inferred industrial buildings with one labelled 'WT' [inferred water tower] followed by Hamilton Harbour. West and south of Zone A were two large inferred industrial facilities. South of Zone E was one rectangular building.

Date Scale	Phase One Property	Surrounding Properties
1996 1:50,000	*Changes from the 1984 topo plan included:* Zone A – Layout of the property changed with the two previous buildings presumably demolished for three new buildings located across property. Zone B- one additional building and an inferred building addition was shown at the south portion of the block.	*Changes from the 1984 topo plan included:* An 'auto wreckers' was located north of Zone D. A small building, an inferred park and 'L'-shaped building (fire station) was located south of Zone E. Sheaffe St, south of Zone E, appeared to end at the park.

4.3.4 Topography, Hydrology, Geology

A 2010 Ontario Base Map (OBM) of the Phase One Property and surrounding area was provided by EcoLog ERIS. A copy of the OBM is included in Appendix C. The following observations were made in reviewing the OBM:

- Zone A consisted of three separate buildings and a fourth building appearing to be attached to a larger facility on the property adjacent south. Approximate elevation was 80 metres above sea level (mASL).
- Zone B consisted of three larger buildings in the central and north portion of the Site and up to seven smaller buildings located at the south and northeast corner of the property. Approximate elevation was 80 mASL.
- Zone C consisted of one large building encompassing the entire south and central portions of the property and partially the north. Approximate elevation was 80 mASL at the northern portion and 85 mASL at the southeast.
- Zone D consisted of small buildings consistent with the size of residential dwellings. Approximate elevation was 85 mASL.
- Zone E consisted of two large buildings located along the north portion and southwest portion or the property. Approximate elevation was 85 mASL at the northern portion and 90 mASL at the south.
- The Phase One Properties were situated in a well-developed urban area in a mix of larger inferred commercial/industrial buildings and inferred residential land use. North of the Phase One Properties was the railyard.

Zone A appeared relatively flat. Zone B was undulating at the north due to significant amounts of fill materials and generally flat at the south portion. Zone C was relatively flat, however shoring was required using stockpiled fill along Barton St W and Tiffany St. A significant slope was observed between the properties on Tiffany St with the properties on Bay St N, with Bay St N at a higher elevation. Based on historical mapping, this topography is considered natural. Zone E was gently sloping from the east to become generally flat towards Caroline St N.

The physical geography of the area of the Phase One Property and surrounding properties is of the Iroquois Plain consisting of sand plains (ERIS, Physiography Report). The overburden of the area of the Site and surrounding properties is lacustrine and outwash sand (ERIS, Surface Geology Report).

Bedrock in area is noted to be Queenston Formation consisting of shale, limestone, dolostone and siltstone (ERIS, Bedrock Geology Report).

A note within "*Footsteps in Time, Exploring Hamilton's Heritage Neighbourhoods,"* Volume I, written by Bill Manson, 2003, noted a natural spring located at Bay and Mulberry Sts in the mid-1800s.

The regional ground water flow direction, based on topographic features and knowledge gained from other sites in the area, is expected to be to the north towards Lake Ontario. Locally, however, the shallow ground water flow may be influenced by underground utility trenches, conduits, and structures, variations in soil type, and minor fluctuations in topography.

4.3.5 Fill Materials

Hamilton Harbour (formerly Burlington Bay) was shown to extend to almost the north of 231 Stuart St. The area north of 231 Stuart St, including Stuart St and the rail yards was infilled in the 1800s for the purposes of industry. A ravine can be observed along the eastern boundaries of Zones D and E. It is possible fill materials were used along the south and eastern boundary of Zone E. Details of fill materials observed during the site reconnaissance are provided in Section 6.2.8. Refer to Section 4.1.5 for fill materials identified during drilling activities in the area of the Phase One Property.

4.3.6 Water Bodies and Areas of Natural Significance

Hamilton Harbour, as part of Lake Ontario is located approximately 180 metres north of the Phase One Property. The Phase One Property does not include land that is within 30 m of a "water body" which, if present, would classify it as a sensitive site under *O.Reg. 153/04*, as amended. The Phase One Study Area is not located within or within 30 m of an Area of Natural Significance which would also classify it as a sensitive site under *O.Reg. 153/04*, as amended. The Phase One study area does not appear to have been designated by the City or Region as a protected area.

A small drainage stream flowed slowly south to north through the centre of 231 Stuart St with an unidentified beginning (likely south central area) and ending through infiltration at the north portion of the property. Generally the water appeared clear with no observable odour; however a cloudy sheen was noted around the building shell. Algae and mosses were growing around the drainage water.

4.3.7 Well Records

4.3.7.1 Water and Test Wells

Borehole records were identified for the Phase One Property through the EcologERIS report and details of depth and construction can be referenced in Appendix C.

Three (3) monitoring wells were observed on the Zone A property and another well adjacent northwest of the property boundary. Monitoring wells were also observed on Caroline St N, adjacent to the southeast corner of 239 Caroline St N and another adjacent north of 128 Barton St W.

MOECC Well Records indicated well(s) were present at 231 Stuart St, completed in 2013 and 128 Barton St W installed in 2010. No drinking water wells are expected to be present on the remaining properties.

4.3.7.2 Oil and Gas Wells

A search of the Oil, Gas and Salt Resources database by EcoLog ERIS did not find any wells within the Phase One Study Area.

4.4 Site Operating Records

The following company records were provided by the City of Hamilton for assessing the environmental conditions of the Phase One Property:

Table 10: Site Operating Records

Record Type	Date	Findings
"Maintenance Garage, Temporary – Sketch Scheme No. 1" – *Inferred to be Service Garage South of Sheaffe St*	Not provided	• Floor plan noted blacksmith and welding shops, machine shop, vehicle repair bays, underground garage pit, tool rooms, lunch and locker rooms. • Pit inferred for under vehicle repair and oil changes. A sump pit and pump was located at one end of the pit. • A waste oil storage tank was shown exterior to the corner of the long edge of the building, adjacent to the washroom. A drain line was shown from the pit to the tank, running along the exterior of the building. A 1½" waste oil pipe line and recess for waste oil drains were shown in the pit. • Inferred manholes were located within the maintenance building. • Vinyl asbestos tiles were shown as some flooring finishes.
Durisol Anchored Retaining Wall System Sections – 125 Barton St W	July 1999	• Compacted granular, cover material and topsoil was used to level retaining wall at east portion of property.
Site Plan and Details – 125 Barton St W	1992	• The north building was occupied by Central Services/Garage and the south building was occupied by Property Maintenance.
New Sprinklers Systems – 125 Barton St W	1991	• A hoist opening was noted at the north central portion of the south building.
"Eaton's Property" – 125 Barton St W	1973	• South building was labelled existing warehouse. • Existing railway spur line at west boundary and north enclosed loading dock noted to be demolished. Existing rail line adjacent to west property line to remain. • Unreadable type of pit to be installed by owner at the southeast of the Central Services (north) building. • Two underground storage tanks were shown at the south boundary of the north building including a 3,000 gallon gasoline tank and 1,000 gallon diesel tank with dispenser pumps located in between the tank placement. • A compressor was shown at the north central area of the north building and an existing electrical transformer was shown at the west end. • The weight scale pits, estimated depth of 0.8 m, at the south central portion were noted to be filled in with granular material.

Record Type	Date	Findings
Site Plan of Central Services Building – 125 Barton St W	1973	• Sheaffe St adjacent south of the property was shown “to be closed off” and an area south(west) of property was noted “proposed area for park”. • Southeast corner shown as parking for service garage employees. • Central Services Garage building shown directly south of 115-125 Barton St W, across Sheaffe St. • A sketch was provided showing the revised tank location plan which placed underground tanks just west of the Carpenter’s Shop (south building) with product lines running to original tank pad.

5.0 INTERVIEWS

No former owner or occupants of the Phase One Property could be identified. Contacts were made as required to evaluate the existing/historical Phase One Property operations and to obtain additional information, as follows:

Table 11: Property Representative Information

Name and Company or Affiliation	Position	Interview Details (Date, Place, Method, Reason for Interview)	Validity of Information from Interview
Jeff Pidsadny	Senior Project Manager	Interviewed during site visit and subsequent correspondence. Project manager for Barton-Tiffany redevelopment.	Information corresponds to documentation.
Nick Roundis	Facilities Supervisor 115-125 Barton St W	Interviewed by phone on 15 January 2018 due to occupancy at site facility.	Information corresponds to documentation, with exception of rumors regarding former ammunitions production (as yet unconfirmed).
Mike Sands City of Hamilton	Facilities Supervisor 115-125 Barton St W	Interviewed by phone on 17 January 2018 due to occupancy at site facility.	Information corresponds to documentation, with exception of rumors regarding former ammunitions production (as yet unconfirmed).
Tom Briatico City of Hamilton	Project Manager	Interviewed by phone on 12 January 2018 due to involvement with redevelopment.	Information corresponds to documentation.
Galib Peermohamed WSP	Manager	Interviewed by phone 12 January 2018. Interviewed because of property survey involved with building demolition.	Information corresponds to documentation.
Vincent Germanese First General Services	Vice President	Interviewed by phone n 15 January 2018 because of involvement with building demolition.	Information corresponds to documentation.
Tim Chapman City of Hamilton	Project Supervisor	Unavailable due to long-term absence.	Inferred to have firsthand knowledge of building demolition activities.

Pertinent information obtained during the course of the interviews is noted in the applicable portions of the report. Records of the interviews are provided in Appendix F.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

Under the supervision of Jeff Carson, P.Eng, Qualified Person, Tracey Schranz, B.E.S and Kate Slaman, B.Sc. of Amec Foster Wheeler conducted a reconnaissance of the Phase One Property on 20 and 21 September 2017 to evaluate possible issues and to assess whether any surrounding land uses may have and/or are currently impacting the environmental condition of the Phase One Property. On the days of the reconnaissance the weather was ~30°C and sunny. Ground cover conditions at the time of the Site reconnaissance were clear and generally dry.

The roof of existing buildings at 115-125 Barton Street West were not accessed due to safety concerns. Nine (9) wooden storage rooms located within the west side of the Central Services (north) building at 115-125 Barton Street West were not accessible during the Site reconnaissance as each City department has their own access. Several outdoor sheds located at 115-125 Barton Street West were also not accessible for observation.

Four (4) metal storage containers (intermodal units) were not accessible at 231 Stuart St.

At the time of the reconnaissance, all of the Sites that made up the Phase One Property were not in operation except for 115-125 Barton Street West, which was in use as the City of Hamilton Central Services Building. The Central Services property consisted of two buildings containing offices and warehouse areas for maintenance activities.

6.2 Specific Observations at Phase One Property

6.2.1 Phase One Property Description and Buildings

Zone A was generally demolished to the former building foundations with exception of a small remnant shell of the former building located at the southeast portion of the property. Zone B was demolished to the former building foundations and contained no buildings. Zone C was demolished to the former building foundations and contained no buildings. Zone D was vacant, grassed land or gravel surfaced. Zone E contained two occupied buildings:

Table 12: Property Description and Buildings

	115-125 Barton St W	
	North Building Central Services	**South Building Carpenter's Shop**
Number of Storeys	2 (including mezzanine)	2 (including mezzanine)
Building Footprint	Approximately 5,200 m^2/ 55,981 ft^2	Approximately 940 m^2/ 10,115 ft^2
Total Building Area	Unknown	Unknown
Year Constructed	At least 1911	Between 1934-1943

	115-125 Barton St W	
	North Building **Central Services**	**South Building** **Carpenter's Shop**
Renovations / Additions	Observed on 1947 FIP: inferred addition to the north and demolition on the west. Observed on 1954 aerial: an addition on the west side. Observed on 1978 aerial: north and east additions removed.	None known
Foundation	Slab-on-grade	Slab-on-grade
Building Exterior	Brick and metal siding, flat roof.	Brick and metal siding, flat roof.
Building Interior	Wood ceilings with concrete floors in warehouse areas. Office area on second floor with drywall walls, suspended ceiling tiles, carpeting, and 12" by 12" vinyl tiles. Some wood block flooring.	Wood ceilings with concrete floors in warehouse areas. Office areas had concrete block walls and concrete floors.
Exterior Ground Cover	The majority of the Phase One Property exterior area outside of the building footprint was surfaced with asphalt.	The majority of the Phase One Property exterior area outside of the building footprint was surfaced with asphalt.
Exits and Entrances	Entrances noted at north and south side of building. Bay doors also present on south side.	Entrances noted on the north and west side of building.
Heating Source	Heating provided by a small boiler located in the warehouse area of the building and natural gas fired furnace. Natural gas fired radiant and space heaters were also present.	Heating provided by natural gas fired furnace and space heaters.
Natural Gas Connected	Year unknown	Year unknown
Historical Heating Source	Unknown	Unknown
Electrical Service	Supplied to the Phase One Property by Alectra Utilities via overhead cables.	Supplied to the Phase One Property by Alectra Utilities via overhead cables.
Potable Water Supply	Municipal water supply from Lake Ontario.	Municipal water supply from Lake Ontario.
Non-Potable Water Supply	No non-potable water sources are present on the Phase One Property.	No non-potable water sources are present on the Phase One Property.
Sanitary Sewer	Discharged to the municipal sewer system. No details were available regarding the point of discharge.	Discharged to the municipal sewer system. No details were available regarding the point of discharge.
Drains, Sumps, Pits	Floor drains were noted in the concrete floor in the warehouse area. A deep pit with an inferred compressor was located at the southwest corner of the building (purpose unknown). A	Floor drains were noted in the concrete floor.

	115-125 Barton St W	
	North Building **Central Services**	**South Building** **Carpenter's Shop**
	drainage trench (for vehicles) was observed just south of the building.	

Selected photographs of the Phase One Property are presented in Appendix G.

Zone A contained one building shell remaining in the southeast corner. This building may have been associated with the former asphalt plant located on the property, and may have also been associated with the former Hamilton Facing Mill which was present on the site until approximately 1980. The Site representative informed Amec Foster Wheeler that two buildings in this area had been demolished approximately 1.5 months prior to the Site reconnaissance. Fill was noted in the centre of the property and four (4) metal storage containers were located along the west side. An abandoned 1,360 L aboveground storage tank (AST) labelled 2008 was also noted on the west side of the property. A rail line was observed from Stuart St running along the west side of the property underneath fill. Temporary fencing was installed along the north and east. A storm sewer was located at the southeast end.

Zone B did not contain any buildings at the time of reconnaissance; however a large building foundation and floor slabs remained at the central portion of the property. A weight scale was still present at the east central side. A large amount of stockpiled fill with a natural overgrown vegetative cover was observed at the north portion with a grassed area at the southeast in the area of the former residences. The southwest corner was gravel surfaced. A rail siding was observed partially uncovered underneath approximately 1.2 m of fill at the very north of the property and a rail was observed in the centre exiting onto Caroline St N. An access road ran along the north (access from Caroline St N) where catch basins and sanitary sewers were observed. A dry catch basin was observed at the south central portion and a catch basin with water was observed in the centre of the property. No sheen was observed at the time of the reconnaissance. The property was fenced at the east, north and west and a retaining wall split the lower central portion of the block. Ponding water was observed in different areas of the central portion of the Site. According to the Site representative, the former residential buildings were serviced with water, sewer and natural gas. Buildings occupied this block historically including buildings associated with the Hamilton Iron and Metal Company at 239 Caroline Street North, B&M Metal Recycling and Gartshore-Thomson Pipe & Foundry Company at 228 Hess Street North, residential properties located at 162-182 Barton Street West, and a gasoline station located in the southwest corner of the zone at 198 Barton Street West. The industrial occupants of these properties are known to have occupied the sites until the mid to late 1990s.

Zone C did not contain any buildings at the time of reconnaissance; however the building foundation and floor slabs remained with differing elevations along with asphalted driveways and overgrown vegetation. Some small rubble piles were observed. A square shaped pit with an approximate 1 m^2 opening was observed at the southwest with other pits covered with metal panels were observed at the south east side. A large stockpile, approximately 570 m^3 with shale and soil on the surface, was observed in the centre of the property and a smaller stockpile of soil, approximately 25 m^3 was observed at the southeast. Disturbed soil was located along Barton St W and Tiffany St for shoring purposes. The property was fenced on all sides. Storm sewers were observed at the northeast. It is known that

buildings were formerly present on this site, which were associated with the Rheem manufacturing plant. This plant operated on the site until at least 2009.

Zone D consisted of grassed and partially paved areas. No buildings were present in these areas. It is known that some of these areas were formerly occupied by residential dwellings, and that the north end of this zone was formerly used as a parking lot for Rheem Canada.

Zone E was occupied by two (2) buildings as noted above, the large Central Services building and the Carpenter's Shop at the south, along with some sheds. The remaining areas of the Phase One Property was surfaced with asphalt, grassed (along Barton St W) or gravel at the very southeast corner. At the time of the reconnaissance, the Central Services building was used for storage, while the Carpenter's Shop was used intermittently for woodworking and welding. The buildings have been in possession of the City of Hamilton since 1972 as a garage and carpenter shop.

6.2.2 Utility Easements

No information was provided regarding utility easements on the Phase One Property. An easement for the Canadian National Railway Company was noted on 32 Tiffany St.

6.2.3 Storage Tanks

Amec Foster Wheeler observed an unused 1,360 L aboveground storage tank (AST), labelled 2008 on the west side of the property in Zone A, at 231 Stuart St. No obvious staining was observed in the vicinity of the tank on the gravel/fill surface. An inspection report from 1989 noted two 1,138 L steel tanks located in the office basement for fuel oil. The tanks were not observed during the reconnaissance.

Five (5) USTs, associated with a retail fuel outlet had been removed from the southern portion of Zone B at 198 Barton St W in 2015, according to the Phase One Property Representative. No reports documenting the removal activities or soil confirmatory sampling were provided to Amec Foster Wheeler for review; however photos of the tank removal are included in Appendix G. The TSSA response noted five (5) shut down liquid fuel tanks and an expired propane tank at this location. An environmental review by the TSSA, dated January 2016, noted a fuel oil tank for equipment removal.

A historical underground gasoline tank and dispenser were noted in the DCS Environmental Management & Site Preparation Work Plan (2010) at the northwest portion of Zone C; however no other documentation on the location or condition of the storage tank was identified.

Two underground storage tanks, one gasoline and the other diesel, were located adjacent to the southwest corner of the Central Services building as 115-125 Barton St W, as identified through observing the storage tank lids and vent pipes. Representatives at the property confirmed the tanks are still present, however; have been emptied and cleaned.

Two underground storage tanks, one gasoline and the other diesel, were detailed in building plans obtained from the City of Hamilton for 115-125 Barton St W. The tanks were shown on the "Eaton's Property" plan and the "Central Services Plan" from 1973. The gasoline tank was shown as 3,000

gallons and the diesel at 1,000 gallons. The original plan placed the dispensers and tanks parallel to the south (east) exterior wall of the Central Services Garage (north building). A sketch labelled as a revised tank location plan kept the dispensers and tank pad in the original location, however moved the tanks further south, east of the Carpenter's Shop (south building) with tank lines heading to the dispensers. Representatives at the property confirmed having seen an old dispenser in this location; however no other details were available and the actual tank locations have not been confirmed.

The 1964 FIP detailed a gasoline underground storage tank at the northwest portion of 239 Caroline St N. Another storage tank was depicted at the southeast corner of 239 Caroline St N. No further details on the tanks were available.

Due to the long history of residential dwellings on Zone B and Zone D, it is possible fuel oil tanks provided heating historically to the residences. At the time of demolition, no fuel oil tanks were identified, according to the demolition contractor. As noted in the EcoLOG ERIS report, a release of carbon monoxide due from fuel oil was noted for a private dwelling at 194 Barton St W.

An aboveground storage tank was observed at the southeast portion of 2 Tiffany St, possibly for waste oil or fuel oil. The ground surface under the tank was below grade and was not observed.

6.2.4 Site Production and Manufacturing

No manufacturing currently takes place on the Phase One Property.

6.2.5 Chemical Storage/Handling and Floor Condition

Chemical storage was observed in the two maintenance buildings located at 115-125 Barton Street West. Two cabinets marked "flammables" containing cans of paint were observed in the building on the north side of the property. Shelves containing spray paint were also observed, and propane cylinders were also noted in various locations within the building. In addition, small containers of fuel (i.e., jerry cans) were observed in an enclosed exterior storage area along the south wall of the building.

Small containers of fuel were also observed at in an exterior storage area at the rear of the building located on the south side of the property. Propane cylinders were also noted inside the south building, as well as a cabinet marked "flammables". The concrete floor in both buildings appeared to be in good physical condition (i.e. no cracking, pitting, or staining) and no open floor drains were observed nearby. Several 4 L plastic containers of motor/hydraulic oil were observed on the floor and a wooden shelf in a workshop room at the southwest of the building with a floor drain nearby. No staining was noted near the drain. In addition, no staining was observed near the exterior fuel storage areas.

Small quantities (i.e., 1 to 5 litres (L)) of janitorial cleaning and maintenance supplies were also observed during the reconnaissance in both buildings.

6.2.6 Areas of Stained Soil or Pavement, or Stressed Vegetation

The ground surface in Zone A appeared overall dark in colour, possibly due to crushed asphalt fill. An area of black staining was observed on a concrete slab and nearby bricks near the north of Zone C.

The slab was at an elevated position and was surrounded by rubble and overgrown brush. Amec Foster Wheeler conducted a walkover of the remaining areas of the Phase One Property and generally did not observe any areas of stained soil or pavement, stressed vegetation or dead zones. However, it is noted that some of the Phase One Property was obscured by vegetation and/or fill material which limited Amec Foster Wheeler's observations.

6.2.7 Spills

No evidence of chemical spills, accidental releases or significant staining was observed during the reconnaissance; with exception of the black staining noted on the concrete slab at the north portion of Zone C (as noted in the previous section).

As noted in Section 4.1.6.4, a spill occurred at Zone A of up to 6,000 litres of reddish liquid in 2016 identifying levels of copper, nickel and chromium above the City of Hamilton sewer use bylaw. Drums are suspected to be relocated from a nearby metal plating facility. The water was noted to be removed from the property using a vacuum truck. No details on soil or ground water conditions was available.

Other historical spills were reported on or near the Phase One Property as noted in Section 4.2, Table 7.

6.2.8 Debris, Fill and Methane

Based on observations made at the time of the reconnaissance, the presence of fill material is inferred to be present as noted below.

Multiple areas of disturbed soil/in-filling were observed at 231 Stuart St (Zone A):

- Generally the ground surface was uneven soil, gravel and crushed asphalt;
- Stockpiled material consisting of soil, metal, plastic and construction debris was observed along the western boundary with a concrete retaining wall. This area was generally level with the surrounding area west and south of the property; however a rail line appeared to run under the fill;
- A reddish brown soil stockpile with concrete slabs was disturbed at the central east;
- Building rubble (i.e. bricks) were dispersed throughout the eastern portion;
- A berm of soil with concrete block edging ran along the eastern boundary (with exception of a driveway off Hess St N) and two reddish brown stockpiles (~40 m^2) were situated atop this fill at the northeast;
- Domestic garbage (~2 m^2) at the south end;
- A central stockpile was observed to contain soil, domestic garbage and construction debris with an approximate volume of 113 m^3;
- Construction debris and domestic garbage (i.e. plastic bottles) was observed in and around the building shell at the southeast corner.

The topography of the entire northern portion of Zone B, with exception of an access roadway from Caroline St N that ran across the northern boundary, was higher in elevation than surrounding areas due to stockpiled and graded soil. Numerous stockpiles were noted on top of this overall graded filled

area. Fill appeared to consist of soil and overgrown vegetation and was reportedly, at least in part, deposited by the City of Hamilton Water Department from watermain replacement work. A sign on the central east portion was labelled "← Moffat Equipment" and "Hamilton Water →", indicting which portion of the property was to receive fill. Some of the stockpiles contained suspect deleterious materials including garbage, building debris, and other refuse. Domestic garbage (i.e. from squatting) was observed at the central west portion and northeast area of Zone B.

Observed at 128 Barton St W was a large stockpile, approximately 570 m^3, with shale and soil on the surface, in the centre of the property and a smaller stockpile of soil, approximately 25 m^3, at the southeast. Disturbed soil was located along Barton St W and Tiffany St for shoring purposes.

A grassed fill pile measuring approximately 68 m^3 in size, was located on the northeast corner of 30 Tiffany St.

The presence of significant amounts of fill material presents an environmental issue for the Phase One Property. The Phase One Property is also known to be located 50 m or less from a former landfill site and historical marsh that has the possibility to contribute to elevated methane gas levels on the Phase One Property.

6.2.9 Radon

The location of the Phase One Property was evaluated against the locations of a 1993 soil radon gas study published by the Ontario Geological Survey (OGS) (13). The City of Hamilton and the location of the Phase One Property are not within the four (4) main study areas investigated by the OGS. The "Cross-Canada Survey of Radon Concentrations in Homes", March 2012 produced by Health Canada (14) noted 95% of surveyed homes in Hamilton having less than 200 Becquerel's per cubic metre (Bq/m^3), with 5% of the surveyed homes measured with 200 to 600 Bq/m^3. Amec Foster Wheeler is not aware of other records of the presence or emission of radon gas in the immediate area of Hamilton.

6.2.10 Air Emissions and Odours

Amec Foster Wheeler did not observe the presence of air emission sources at the time of the reconnaissance that could possibly affect the environmental condition of the Phase One Property (i.e., building surfaces and/or surficial soils). The only air emission sources observed by Amec Foster Wheeler were exhausts from Block E building's general building ventilation, kitchen and washroom vents. No significant environmental issues regarding air emissions have been identified based on the nature of the emission sources observed during the reconnaissance.

6.2.11 Mould

Amec Foster Wheeler was advised by the representative that a mould survey/assessment has not been conducted at the Phase One Property and that visible mould growth is not known to be present. Evidence of conditions that may promote mould growth (e.g., moist and/or wet conditions) was not observed during the reconnaissance at 115-125 Barton St W; however, observations were made only in readily accessible areas of the existing buildings (i.e., did not include concealed spaces such as behind walls or above ceilings).

6.2.12 Designated Substances and Hazardous Building Materials

There are eleven designated substances that are regulated by the Occupational Health & Safety Act (OHSA) OHSA, including asbestos, lead, mercury, silica, arsenic, acrylonitrile, benzene, coke oven emissions, ethylene oxide, isocyanates and vinyl chloride.

Given the nature of the Phase One Property building and property use, Amec Foster Wheeler has focused on specific designated substances as described in the following subsections:

6.2.12.1 Asbestos

Due to the age of the buildings located at 115-125 Barton St W, asbestos-containing materials may be present. Asbestos-containing materials may be present under building foundations (i.e. sewer pipes) in the Phase One Property.

6.2.12.2 Lead-Containing Materials

Due to the age of the buildings located at 115-125 Barton St W, lead-containing paint and lead-containing materials (i.e. solder and lead piping) may be present. Lead piping may be present under building foundations.

6.2.12.3 Silica

Silica is present in masonry and concrete products such as brick, mortar, stone and concrete. These materials are located through the Phase One Property.

6.2.12.4 Mercury

Minor amounts of mercury are commonly found in a variety of building materials including mercury vapour lamps and thermostats and other electrical control switches. Mercury vapour is suspected to be present in fluorescent and high intensity discharge (HID) lamps and mercury is suspected to be present in thermostats in the facilities located at 115-125 Barton St W. Given the potential quantities of mercury present and their intended use, no potential concerns are expected at this time.

6.2.12.5 Isocyanates

Isocyanates were used at the Rheem facility (Zone C) during production based on a 2004 Certificate of Approval.

6.2.12.6 Coke Oven Emissions

The possibility exists for the historical foundries to have used coke in the smelting process. Although the foundries have long since been out of use, emissions may have resulted in surficial ground contamination.

6.2.13 Other Substances

6.2.13.1 Polychlorinated Biphenyls

Electrical service is supplied to the Phase One Property by Alectra Utilities via overhead cables and several pole-mounted transformers located along Barton Street West, Caroline St N, Stuart St, and Tiffany Street. Since the Phase One Study Area has been developed for many years prior to the 1980s, these transformers may contain PCBs as the use of PCBs in oil-filled transformers was not discontinued until the early 1980s. Staining of the ground surface near the oil-filled pole-mounted transformers was not observed during the reconnaissance.

Fluorescent light fixtures were observed throughout the buildings at 115-125 Barton Street West in Zone E. Given the date of construction of these buildings, the light ballasts may contain PCBs as the use of PCBs in light ballasts was not discontinued until the early 1980s. This property was also a registered waste generator of PCBs, reportedly consisting of PCB-containing light ballasts.

Historical transformer rooms and/or buildings, which may have contained PCBs, were located on the Rheem property (Block C) and at the northwest corner of 115-125 Barton St W (Block E). The transformers and housing were not present during the Site reconnaissance.

6.2.13.2 Ozone Depleting Substances

The presence of window/wall-mounted air conditioning units was observed at the Phase One Property in the 115-125 Barton St W facilities. Commonly, these units are charged with known ODSs. Apart from this equipment and the presence of residential-type refrigerator / freezers at 115-125 Barton St W no other equipment was observed that could potentially contain ODSs.

6.2.13.3 Radioactive Materials

Radioactive material or equipment (labelled as such) was not observed at the Phase One Property and the property is not registered with the CNSC. No testing for the presence of radioactive material was undertaken.

6.2.14 Generated Wastes

Based on discussions with the representative, and on observations made by Amec Foster Wheeler during the reconnaissance, it is Amec Foster Wheeler's understanding that the properties in Zones A, B, C, and D do not currently generate waste as they are not in operation. The buildings located in Zone E, at 115-125 Barton Street West, were noted to have containers located in the warehouse areas for non-hazardous solid waste from general operation and office activities. A waste bin was also located east of the building on the south side of the property. This bin was labelled "WSI", which is likely the contractor responsible for removing waste.

The property at 115-125 Barton Street West is listed as a registered generator of industrial or hazardous wastes in the current MOECC Hazardous Water Information Network (HWIN) online database. The property was registered (#ON4548081) for wastes including acid solutions, sludges, and residues

containing heavy metals; alkaline solutions, sludges, and residues containing heavy metals; wastes from the use of paints, pigments and coatings; other specified inorganic sludges, slurries or solids; miscellaneous waste inorganic chemicals; aromatic solvents and residues, aliphatic solvents and residues; petroleum distillates; light fuels; heavy fuels; PCBs; waste oils/sludges (petroleum based); waste crankcase oils and lubricants; miscellaneous waste organic chemicals; organic acids; and waste compressed gases, including cylinders.

During the reconnaissance, Amec Foster Wheeler observed numerous containers and cylinders in the warehouse area that may have contained some of these wastes, and storage areas were observed outside the buildings containing jerry cans likely containing gasoline. However, the contents of some of these containers were unknown.

6.2.15 Liquid Discharge Points and Spills History

Drains were noted in the warehouse areas of the buildings at 115-125 Barton Street West. No drains were noted at any of the other properties within the Phase One Study area.

It is known that a spill occurred at 249 Hess Street North, located in Zone A, on March 30th, 2017. This spill contained chromium, nickel, and copper and violated the City of Hamilton Sewer Use By-law 14-090. The volume of this spill is unknown.

6.3 Enhanced Investigation Property

Clause 32(1)(b) of *O.Reg. 153/04*, as amended, defines an *enhanced investigation property* as a property: (i) that has or is being used for industrial purposes; or (ii) that is being used or has been used, in whole or in part as: a) a garage, b) as a bulk liquid dispensing facility, including a gasoline outlet, or c) for the operation of dry cleaning equipment, unless either of the following two circumstances apply:

- an RSC has been filed for the Phase One Property, (ii) the current Phase One ESA did not identify a PCA at the Phase One Property other than PCAs identified in the Phase One ESA used in support of the RSC, and (iii) the current QP determines that there are no APECs at the Phase One Property; or
- the Phase One Property is currently used for an agricultural or other use, or a community use, an institutional use, a parkland use or a residential use; and (ii) since the latest date on which the Phase One Property ceased being used for a purpose that would otherwise qualify it as an enhanced investigation property, an RSC has been filed for the Phase One Property.

The Phase One Property is classified as an enhanced investigation property due to the former industrial land uses on the majority of the Phase One Property, and the former presence of a retail fuel outlet in Zone B at 198 Barton St W.

At the time of the reconnaissance, the majority of the Phase One Property was not in operation. The only operating sites were the City of Hamilton buildings located in Zone E at 115-125 Barton St W.

Amec Foster Wheeler contacted Jeff Pidsadny of the City of Hamilton (the Site representative) for information relating to historical bulk liquid dispensing on the Phase One Property. According to Mr. Pidsadny, the USTs at the former retail fuel outlet have been removed (as previously discussed).

Due to the time elapsed since the industrial activities took place on Zone A, B and C, no direct contact was available for interview.

6.3.1.1 Industrial Operations

No industrial processing or manufacturing activities were occurring on the Phase One Property at the time of reconnaissance; however, as previously discussed the Phase One Property was historically utilized for industrial operations in Zone A, B, C, and E.

Historical rail sidings were observed within the Phase One Property including:

- 231 Stuart St – a rail siding observed from the Stuart St boulevard, ran southwards along the western property boundary, buried under fill;
- 239 Caroline St N – a rail siding was observed in the centre of the property curving to exit to Caroline St N; rail ties with typical rail spacing were partially observed in a pile of excavated fill at the northwest corner of this property, implying that the historical northern rail siding is still present; rail siding was observed at the very northeast corner from Stuart St onto Caroline St N.

6.3.1.2 Hydraulic Lift Equipment

One forklift was observed by Amec Foster Wheeler in the warehouse area of the north building at 115-125 Barton St W at the time of the reconnaissance. A bulldozer was parked at 231 Stuart St.

6.3.1.3 Vehicle/Equipment Maintenance Areas

No vehicle maintenance activities were observed by Amec Foster Wheeler at the time of the reconnaissance.

6.3.1.4 Oil/Water Separators

No oil-water separators are present at the Phase One Property.

6.3.1.5 Hazardous Materials Use/Storage

The generation and storage of hazardous materials at 115-125 Barton St W, including PCBs and other chemical wastes, is described in Section 6.2.14. No hazardous materials are known to be used or stored at any other location within the Phase One Property.

6.4 Written Description of Investigation

Copies of Amec Foster Wheeler's Inspection and Interview notes are provided in Appendix F and were outlined throughout this Report. In summary, the reconnaissance and related inquiries identified the following areas of potential environmental concern:

Zone A:

- Previously used for heavy industrial purposes;
- Stockpiles of material of unknown quality (including suspect deleterious materials);
- Four metal storage containers/intermodal units at 231 Stuart St are suspected to contain drums of waste liquid;
- A former rail siding was observed partially covered by fill;
- An abandoned 1,360 L aboveground storage tank (AST) on the west side of the property and two fuel oil tanks were noted in the former office building at the southeast.

Zone B:

- Previously used for heavy industrial purposes;
- The north portion of the block is higher in elevation due to the placement of a significant amount of fill material;
- Former rail sidings were observed at the north;
- A retail fuel outlet with five USTs and a fuel oil tank was formerly located at the southwest corner;
- Storage of hazardous materials in Zone E, at 115-125 Barton Street West
- Historical fuel oil storage tanks may have been present for the residential homes along Barton St W.

Zone C:

- Previously used for heavy industrial purposes;
- A large stockpile, approximately 570 m^3 with shale and soil on the surface, was observed in the centre of the property and a smaller stockpile of soil, approximately 25 m^3 was observed at the southeast. Disturbed soil was located along Barton St W and Tiffany St for shoring purposes.

Zone D:

- An aboveground storage tank was observed at the southeast portion of 2 Tiffany St, possibly for waste oil or fuel oil.
- A grassed fill pile measuring approximately 68 m^3 in size, was located on the northeast corner of 30 Tiffany St.
- Historical fuel oil storage tanks may have been present for the residential homes.

Zone E:

- General garage and carpentry activities have occurred since at least the 1970s;
- Two underground storage tanks are present adjacent west of the Central Services (north) building and two underground storage tanks were located at the east central portion. It is unknown if these tanks are still present.
- Registered waste generator and transfer station for PCBs, reportedly consisting of PCB-containing light ballasts, which were formerly stored in the Carpenter's Shop.
- Registered waste generator for a number of chemicals, most typically associated with vehicle maintenance activities.

7.0 REVIEW AND EVALUATION OF INVESTIGATION

7.1 Current and Past Uses

According to historical records obtained by Amec Foster Wheeler and from discussions with the representative, the history of the occupancy of the Phase One Property is as follows:

Table 13: Current and Past Uses of the Phase One Property

Year	Owner/Occupant	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
Zone A – 231 Stuart St/249 Hess St N				
1796	Crown	Inferred undeveloped or residential	Undeveloped or Residential	
1852	Single Name Residents	Inferred residential	Residential	
1921-1975	The J. Montgomery Coal Company Limited (249 Hess St N)	Coal warehousing	Industrial	
1961-1985	Paikin Steel Products	Wire plant	Industrial	
1902-1982	The Hamilton Facing Mill Company Limited	Lumber yard and other foundry related activities (i.e. cutting)	Industrial	Property use observed from FIPs
1982-1990	Imtrex Commodities Inc.	Coal grinding, mixing, bagging	Industrial	Property use obtained from COPE report
1986-1987	Justice Minerals and Chemicals Ltd. (231 Stuart St)	Unknown	Inferred Industrial	
2005-2017	558154 B.C. Ltd.	Vacant	Inferred Industrial	Buildings demolished around 2005, 2011 and 2015 based on aerials.
2017	City of Hamilton	Vacant	Inferred Industrial	
Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N				
239 Caroline Street North				
1796-1840	Single Name Residents	Inferred undeveloped or residential	Residential	
1876	T. Cowie & Co. Iron Works	Inferred foundry operations	Industrial	Obtained from City Directories and FIPs
1880-1886	GC Morrison, engine works	Inferred foundry operations	Industrial	
At least 1903-1955	The Gartshore-Thomson Pipe & Foundry Co. Ltd./Canada Pipe/Canada Pipe Foundry	Pipe manufacturing and foundry	Industrial	Inferred present from 1880 (City Directories and FIPs)
1903-2001	The Grand Trunk Railway Co. of Canada/Canadian National	Rail sidings	Industrial	

Year	Owner/Occupant	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
	Railway Co. (Lots 1-17, Block G)			
1955-1986	Canada Iron Foundries Limited/Canron Inc.	Pipe manufacturing	Industrial	Noted as Hamilton Iron & Metal Co. ltd. from 1952-1994 (City Directories) Hamilton Auto Wrecking Co. may have been present 1929-2005 (City Directories). A junk yard was depicted on the 1964 FIP.
1986-2000	Branard Corp. (Lots 18-30, Block G and Elisa St)	Unknown	Industrial	Noted at Canam Plastics Inc. in 1991 (City Directories)
1986-2010	Two Numbered Companies (Lots 4-15, Block F)	Unknown	Industrial	Noted as vacant since 1999 (City Directories)
2010	City of Hamilton	Vacant	Industrial	Buildings demolished around 2011 from aerials
162 Barton St W				
1796-1994	Single Name Residents	Undeveloped or Residential	Residential	
1995-1998 2004-2010	Numbered Companies	Inferred Residential	Residential	Noted as NK Auto Sales in 2004-05 (City directories)
2010-Current	City of Hamilton	Vacant	Residential	Demolished ~2011
166, 170, 172, 174, 176 and 178 Barton St W				
1796-2010	Single Name Residents	Undeveloped or Residential	Residential	
2010-Current	City of Hamilton	Vacant	Residential	Demolished ~2011
168 Barton St W				
1796-2010	Single Name Residents	Undeveloped or Residential	Residential	
1992-1994	Numbered Company	Unknown	Residential	
2010-Current	City of Hamilton	Vacant	Residential	Demolished ~2011
180 Barton St W				
1796-1902	Single Name Residents	Undeveloped or Residential	Residential	
1902-1919	Hamilton Facing Mill Company Ltd.	Unknown	Industrial	
1919-2010	Single Name Residents	Residential	Residential	
2010-Current	City of Hamilton	Vacant	Residential	Demolished ~2010
184 Barton St W				

Year	Owner/Occupant	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
1961	Beaver Coal Co., Pioneer Petroleum Service Station	Retail Fuel Outlet	Commercial	
1980	BP Gasoline Station	Retail Fuel Outlet	Commercial	Demolished ~2011
182 Barton St W				
1796-1919	Single Name Residents	Undeveloped or Residential	Residential	
1919	Hamilton Facing Mill Company Limited	Inferred Industrial	Industrial	
1919-1975	Single Name Residents	Undeveloped or Residential	Residential	
1975-2010	Loth Auto Painting & Collison	Vehicle Repair Shop	Commercial	
2010-Current	City of Hamilton	Vacant	Residential	Demolished ~2011
198 Barton Street West				
Pre-1904	Crown	Unknown	Unknown	
1904-1940	The Hamilton Bridge Works Co. Ltd.	Bridge manufacturer	Industrial	
1941	City of Hamilton	Unknown	Residential	
1941-1964	Single Name Residents	Undeveloped or Residential	Residential	
1964-2010	Various Retail Fuel Outlets	Retail Fuel Outlet	Commercial	
2010-Current	City of Hamilton	Vacant	Commercial	Demolished ~2011
228 Hess Street North				
1796-1973	Single Name Residents	Undeveloped or Residential	Residential	Canada Pipe Foundry/Gartshore-Thomson present from 1908-1924, Hillman Coal & Coke Co. present in 1924, Chocoski Haulage present from 1961-1965 and Marken Industrial Sandblasting & Painting Ltd. present from 1970-1975 (City Directories)
1973-1987	Love Produce Distributors Ltd.	Warehouse	Commercial	
1987-1993	Single Name Residents	Undeveloped or Residential	Residential	
1993-1994	Archmill House Inc.	Inferred Commercial/Industrial	Commercial/Industrial	
1994-2010	Numbered Company	Unknown	Unknown	B&M Metal Recycling present from 1997-2009 (City Directories)
2010-Current	City of Hamilton	Vacant	Vacant	Demolished ~2011

Year	Owner/Occupant	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
Zone C – 128 Barton St W				
Pre-1904	Crown	Planned/Surveyed into Lots	Undeveloped or Residential	
1898	Residential	Residential	Residential	Dwellings were located along the East of Tiffany St as depicted on FIPs
1876-1985	Hamilton Bridge & Tool Co./The Hamilton Bridge Works Company Limited/ Bridge & Tank Company of Canada Limited	Bridge construction facility, tank and drum manufacturing	Industrial	Rheem occupied a portion of the property since ~1947
1898, 1902	GC Morrison, Engine Works	Engine manufacturing	Industrial	Obtained from City Directories and FIPs
1985-2009	Rheem Canada Inc.	Tank, drums and water heater manufacturing	Industrial	
2009-Current	City of Hamilton	Vacant land, building demolished around 2010	Industrial	Demolished 2011-2012
Zone D – 4, 10, 16, 22, 26, 28, 30 and 32 Tiffany St, 112 Barton St W				
4 Tiffany St				
1796-1912	Single Name Residents	Undeveloped or Residential	Residential	
1912-1914	Toronto Dwellings Limited	Inferred Residential	Residential	
1914-1941	Canadian Northern Systems Terminals Ltd.	Unknown (Component company of Canadian National Railway)	Residential/ Commercial	
1941-1996	Single Name Residents	Inferred Residential	Residential	
1996-2001	Tonshang Properties Inc.	Unknown	Residential	
2001-2010	Ancaster Mechanical 1992 Ltd.	Unknown	Residential/ Commercial	
2010-Current	City of Hamilton	Vacant	Vacant	
10, 16, 26, 28 Tiffany St				
1796-2010	Single Name Residents	Undeveloped or Residential	Residential	
2010-Current	City of Hamilton	Vacant	Residential	Demolished ~2011
22 Tiffany St				
1796-1973	Single Name Residents	Undeveloped or Residential	Residential	
1973-1976	Tonoga Limited	Unknown	Residential	
1976-1979	Single Name Residents	Residential	Residential	
1979-Current	City of Hamilton	Residential	Residential	

Year	Owner/Occupant	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
30 Tiffany St				
1796-1958	Single Name Residents	Undeveloped or Residential	Residential	
1958-1963	Superior Discount Limited	Unknown	Residential	
1963-2010	Single Name Residents	Residential	Residential	
2010-Current	City of Hamilton	Vacant	Residential	Demolished ~2011
32 Tiffany St				
1796-1999	Single Name Residents	Undeveloped or Residential	Residential	1978 Aerial Photograph shows the property as vacant land with vehicles. Property was used for Rheem parking lot.
1999-Current	1290976 Ontario Ltd.	Parking Lot	Commercial	
112 Barton St W				
1796-2010	Single Name Residents	Undeveloped or Residential	Residential	
1964-2009	Varga's Garage	Vehicle Repair Shop	Commercial	(City Directories)
2010-Current	City of Hamilton	Vacant	Residential	Demolished ~2011
Zone E – 115-125 Barton St W				
1796-1910	Single Name Residents	Inferred undeveloped or residential	Undeveloped or residential	
1910-1954	The Hamilton Bridge Works Co. Ltd.	Bridge construction facility.	Industrial	Present from 1895-1960 (City Directories)
1954-1972	The T. Eaton Realty Company Ltd.	Warehousing	Commercial	
1972-Current	City of Hamilton	Works yard, garage and carpenter shop	Industrial	

7.2 Potentially Contaminating Activities

Potentially contaminating activities (PCA) at the Phase One Property consist of:

a) PCA #2 – Adhesives and Resins Manufacturing, Processing and Bulk Storage

- Resins associated with sand casting were utilized and stored on Zone A.
- Rheem Canada was noted as having a Certificate of Approval for exhausting resins and was a registered waste generator of resins at 128 Barton St W on Zone C.

b) PCA #5 - Asphalt and Bitumen Manufacturing

- Asphalt manufacturing was conducted on Zone A.

c) PCA #10 - Commercial Autobody Shops

- Loth Auto Painting & Collision was located at 182 Barton St W on Zone B from at least 1975-2009. A trucking facility and repairs shop was located at the southwest portion (228 Hess St N, Zone B) in the 1960s. NK Auto Sales & Service was located at 162 Barton St W on Zone B in the 2000s.
- Varga's Garage and Lincoln Auto Body were located at 112 Barton St W, in the southeast corner of Zone D, from the 1960s to 2010s. A hoist was noted to be present at this location.
- The property at 115-125 Barton St W in Zone E was used for vehicle repair and maintenance purposes in the north Central Services Buildings and south Carpenter Shop from at least the 1970s.

d) PCA #11 - Commercial Trucking and Container Terminals

- Chocoski Haulage was located at the southwest portion of Zone B (228 Hess St N) in the 1960s.

e) PCA #20 - Explosives and Ammunition Manufacturing, Production and Bulk Storage

- Six sticks of dynamite were discovered in the basement of 128 Barton St W on Zone B. The property may have been involved in producing heavily armoured vehicles during the Second World War.

f) PCA #26 - Foam and Expanded Foam Manufacturing and Processing

- Rheem Canada occupied 128 Barton St W on Zone C since 1947 including the manufacture of foam-lined water heaters.

g) PCA #28 - Gasoline and Associated Products Storage in Fixed Tanks

- An abandoned AST was noted on the west portion of Zone A and historical records noted two fuel oil ASTs located in the office basement at the southeast portion. Oil drums for sale were noted in the western building.
- A retail fuel outlet with five USTs and a fuel oil tank was formerly located at the southwest corner of Zone B at 182, 184 and 198 Barton St W from the 1960s to 2015. Fuel oil storage tanks are suspected to have been present for residential dwellings along Barton St W. An oil house was formerly located in the central portion associated with the former foundries. An underground storage tank was located adjacent to a former office associated with the foundries at the north portion of the block. A fuel storage tank was located south of the historical foundry in the central portion.
- An oil house and grease room were noted at the north of the former Rheem Canada facility at 128 Barton St W on Zone B. A historical underground gasoline tank and dispenser were noted in the DCS Environmental Management & Site Preparation Work Plan (2010) at the northwest portion of Zone C; however no other documentation on the location or condition of the storage tank was identified.
- Fuel oil storage tanks are inferred to have been located within the residential dwellings on Tiffany St in Zone D; however, no information on the presence or location of the tanks is available. Natural gas was used for heating at the time of demolition of the houses.

- At 115-125 Barton St W in Zone E, two underground storage tanks are present adjacent west of the Central Services (north) building and two underground storage tanks were located at the east central portion. It is unknown if these tanks are still present. A gasoline storage building was formerly located at the southwest of the property.

h) PCA #29 - Glass Manufacturing

- Rheem Canada occupied 128 Barton St W since 1947 for the production of metal containers including glass-lined water heaters.

i) PCA #30 - Importation of Fill Material of Unknown Quality

- Multiple areas of disturbed soil/in-filling were observed at Zone A including crushed asphalt and bricks across the property, stockpiles of construction debris and garbage, and berms of inferred soil.
- The north portion of Zone B is higher in elevation due to the placement of a significant amount of fill material.
- A large stockpile, approximately 570 m^3 with shale and soil on the surface, was observed in the centre of 128 Barton St W on Zone C and a smaller stockpile of soil, approximately 25 m^3 was observed at the southeast. Disturbed soil was located along Barton St W and Tiffany St for shoring purposes on Zone C.
- A grassed covered 68 m^3 stockpile was observed at 30 Tiffany St in the north portion of Zone D.

j) PCA #32 - Iron and Steel Manufacturing and Processing

- Zone A was formerly used for wire cutting and part of a larger industrial steel manufacturing complex.
- The Gartshore-Thomson Pipe & Foundry Co. Ltd., Canada Pipe Foundry, Canada Iron Foundries Ltd., Hamilton Iron & Metal Co. Ltd. occupied 239 Caroline St N (Zone B) since the late 1800s to the late 1990s.
- Hamilton Bridge Works, Hamilton Bridge and Tool Co. Ltd and Rheem Manufacturing occupied 128 Barton St W (Zone B) since at least 1876 for manufacturing purposes.
- Hamilton Bridge Works Co. Ltd. occupied 115-125 Barton St W in Zone E with a bridge shop and carpenter shop from approximately 1910-1954.

k) PCA #33 - Metal Treatment, Coating, Plating and Finishing

- A spill on Zone A of up to 6,000 litres of reddish liquid in 2016 identified levels of copper, nickel and chromium above the City of Hamilton sewer use bylaw. Drums are suspected to be relocated from a nearby metal plating facility.
- Hamilton Bridge Works, Hamilton Bridge and Tool Co. Ltd and Rheem Manufacturing occupied 128 Barton St W (Zone B) since at least 1876 for manufacturing purposes.

l) PCA #34 - Metal Fabrication

- The Gartshore-Thomson Pipe & Foundry Co. Ltd., Canada Pipe Foundry, Canada Iron Foundries Ltd., Hamilton Iron & Metal Co. Ltd. occupied 239 Caroline St N (Zone B) since the late 1800s to the late 1990s.

- Hamilton Bridge Works, Hamilton Bridge and Tool Co. Ltd and Rheem Manufacturing occupied 128 Barton St W (Zone B) since at least 1876 for manufacturing purposes.
- Hamilton Bridge Works Co. Ltd. occupied 115-125 Barton St W in Zone E with a bridge shop and carpenter shop from approximately 1910-1954.

m) PCA #39 - Paints Manufacturing, Processing and Bulk Storage

- Marken Industrial Sandblasting & Painting Ltd. was present in the 1970s at 228 Hess St N in Zone B.
- Paint storage was noted at the north portion of the former Rheem facility located at 128 Barton St W on Zone C.
- Paint storage was located at the southwest corner and south of the Central Services Building at 115-125 Barton St W in Zone E.

n) PCA #43 - Plastics (including Fibreglass) Manufacturing and Processing

- Can Am Plastics NA Inc. was located at the southeast portion of 239 Caroline St N in Zone B.

o) PCA #46 - Rail Yards, Tracks and Spurs

- A rail siding was observed on Zone A at the western boundary partially covered by fill.
- Rail sidings were observed at the northeast corner, northwest corner (underneath fill) and central portion on Zone B.
- Rail sidings were formerly located from the northwest corner to the southeast portion on Zone C.
- Rail sidings were formerly located along the northwest and west sides of Zone E.

p) PCA #49 - Salvage Yard, including automobile wrecking

- B&M Metals occupied 239 Caroline St N in Zone B from the 1990s to 2000s. A junk metal yard was located at the southeast corner of 239 Caroline St N at Zone B.

q) PCA #55 - Transformer Manufacturing, Processing and Use

- Transformers were associated with the former foundries on Zone B.
- Transformers were noted in the former industrial facility at 128 Barton St W in Zone C at the southwest corner, north of the former facility and northeast of the former facility.
- Transformer buildings were formerly located at the northwest corner of Zone E and in the west central portion of the Central Services Building.

r) PCA #58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners

- Registered waste generator and transfer station for PCBs, reportedly consisting of PCB-containing light ballasts, which were formerly stored in the Carpenter's Shop at 115-125 Barton St W in Zone E.

s) PCA #59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products

- Zone A was historically used for lumber storage.

- A small portion at the south of the Central Services Building at 115-125 Barton St W in Zone E was used for lumber storage.

t) Other

- **Confirmed Soil and Ground Water Exceedences.** Identified on Zone A through previous assessment by others consisting of PAHs and arsenic in soil and PHC F2 to F4 in ground water.
- **Bulk Coal and Coke Storage and/or Coal Grinding, Mixing, Bagging.** Coal has historically been used at Zone A as a fuel and the property occupied by a coal supplier which included activities of bulk storage, grinding, mixing and bagging. J.B. Fairgrieve & Co. occupied the northwest corner of Zone B for bulk coal storage. Coal and coke were used formerly for heating and foundry furnaces. 228 Hess St N was also used for coal and coke storage in the 1920s. Bulk coal storage was identified at the northeast corner of Zone C. The northwest portion of 115-125 Barton St W in Zone E was used for coal storage around the 1910s.
- **Tarring.** A tar tank and tarring lines were noted for the former foundry in the central portion and a Testing and Tarring Shed was located at the central east portion of 239 Caroline St N on Zone B.
- **Hazardous Dust Confirmed by TCLP.** An assessment in 2010 identified dust in the former lead recycling facility as hazardous (B&M Metals) at 239 Caroline St N in Zone B.
- **Confirmed Soil and Ground Water Exceedences.** At 128 Barton St W (Zone C), Table 3 exceedences of metals, PAHs, BTEX and PHC were identified in soil and PAHs, PHC, benzene and sodium were identified in ground water. Metals exceedences were identified as widespread in surficial soil.
- **Confirmed Ground Water Contamination.** PAH and DNAPL has been identified at 128 Barton St W (Zone C) in ground water at 6.1 m through previous assessments by others. The DNAPL was suspected to be from a property south of Zone E, therefore DNAPL is suspected on Zone E.

<u>Potentially contaminating activities elsewhere in the Phase One Study Area consist of:</u>

a) **PCA #8 - Chemical Manufacturing, Processing and Bulk Storage**

- A former coal tar facility and chemical manufacturer was located at the southeast corner of Sheaffe St and Caroline St N, approximately 20 m south of Zone E, operating from approximately 1911-1975.
- Patco Chemicals was located at 281 Bay St N, approximately 50 m northeast of Zone D from the 1970s to 2010s.

b) **PCA #9 - Coal Gasification**

- A former coal tar facility and chemical manufacturer was located at the southeast corner of Sheaffe St and Caroline St N, approximately 20 m south of Zone E, operating from approximately 1911-1975.

- The Hamilton Gaslight Company/United Gas & Fuel Co. of Hamilton Ltd. was listed as being present at 114 Bay St N, 141-147 Park St N, 69-99 Mulberry St and 100 Mulberry St, approximately 110 m south to southeast of Zone E. The facility had two 50,000 ft^3 gas holders, a 250,000 ft^3 gas holder a coal/coke shed and stockpiles, purifying house two tanks, boilers, retort house and meter repairing.

c) **PCA #10 - Commercial Autobody Shops**

- Kurey's Garage was located at 2 Tiffany St, adjacent south of 4 Tiffany St and adjacent west of 112 Barton St W in Zone D, operating from approximately 1952 to 1971. An aboveground storage tank was noted at this location.
- The City of Hamilton operated a garage at 177 Bay St N, approximately 20 m south of Zone E from ~1980-2004.
- An auto service was located at 204-206 Bay St N, approximately 40 m east of Zone E in 2000.
- Niagara Auto Body was located at 206-208 Queen St N, approximately 90 m southwest of Zone B in the 1960s.

d) **PCA #11 - Commercial Trucking and Container Terminals**

- Cartage companies were located at 171-183 Bay St N, approximately 20 m south of Zone E in the 1930s and 1940s.
- Risidore Brothers, Heavy Machinery Movers and A. Cupido Haulage were located at 215 Hess St N, approximately 60 m southwest of Zone B.
- Cartage companies were located at 15 Windsor St, approximately 85 m south of Zone B from the 1960s to 2010s.

e) **PCA #18 - Electricity Generation, Transformation and Power Stations**

- Steel Co. of Canada, Hamilton Steel & Iron Co. Ltd., Hamilton Forging Co. operated adjacent south of Zone A contained a substation as shown in the 1964 FIP, approximately 70 m south of Zone A.
- The Steel Company of Canada Limited and Other Metal Manufacturing Companies were located at 243 Queen St N, approximately 75 m west of Zone A, and contained a power and pump house.

f) **PCA #28 - Gasoline and Associated Products Storage in Fixed Tanks**

- A former coal tar facility and chemical manufacturer was located at the southeast corner of Sheaffe St and Caroline St N, approximately 20 m south of Zone E, operating from approximately 1911-1975.
- Kurey's Garage was located at 2 Tiffany St, adjacent south of 4 Tiffany St and adjacent west of 112 Barton St W in Zone D, operating from approximately 1952 to 1971. An aboveground storage tank was noted at this location.
- Thomson-Gordon Ltd. Rubber and Asbestos Packing was located at 200 Hess St N, approximately 140 m southwest of Zone B with 1,500 gallon fuel oil storage tank and another undescribed storage tank.

- Risidore Brothers, Heavy Machinery Movers and A. Cupido Haulage were located at 215 Hess St N, approximately 60 m southwest of Zone B. An underground storage tank was associated with this property.
- The Steel Company of Canada Limited and Other Metal Manufacturing Companies were located at 243 Queen St N, approximately 75 m west of Zone A, and contained an oil house and a 50,000 gallon oil tank and gasoline storage within a concrete dyke and fenced enclosure, respectively
- Cartage companies were located at 15 Windsor St, approximately 85 m south of Zone B from the 1960s to 2010s. A storage tank was associated with this property.

g) **PCA #30 - Importation of Fill Material of Unknown Quality**

- Burlington Bay underwent major infilling approximately 20 m west and north of Zone A in the 1800s.

h) **PCA #32 - Iron and Steel Manufacturing and Processing**

- The Bridge and Tank Co. of Canada/Hamilton Bridge Co. Ltd. operated at 231 Bay St N, adjacent east of Zone E from approximately 1921 to 1961.
- Steel Co. of Canada, Hamilton Steel & Iron Co. Ltd., Hamilton Forging Co. operated adjacent south and west of Zone A, as well as approximately 75 m (243 Queen St N) and 125 m (237 Queen St N) west of Zone A.
- Thomson-Gordon Ltd., Plant No. 2 was located at 208 Queen St N, approximately 90 m southwest of Zone B, in the 1970s.

i) **PCA #33 - Metal Treatment, Coating, Plating and Finishing**

- Ram Refined Alloys Ltd. was located at 167 Barton St S, approximately 20 m south of Zone B in the 1960s.

j) **PCA #34 - Metal Fabrication**

- Binns Welding & Fabrication was located at 221 Barton St W, approximately 30 m southwest of Zone B.
- Waxman & Sons (scrap metal) and Caroline Steel and Pipe Supply Ltd. were located at 2 Harriet St, approximately 50 m southwest of Zone E.
- Swift Devices Ltd. and Thomson-Gordon were located at 234-236 Queen St N, approximately 80 m southwest of Zone B and 100 m south of Zone A.
- Sheet metal companies were located at 206-208 Queen St N, approximately 90 m southwest of Zone B.

k) **PCA #46 - Rail Yards, Tracks and Spurs**

- Approximately 20 m north of the Phase One Property are the rail yards with a historic roundhouse and activities occurring since the mid-1800s.

l) **PCA #47 - Rubber Manufacturing and Processing**

- Thomson-Gordon Ltd. Rubber and Asbestos Packing was located at 200 Hess St N, approximately 140 m southwest of Zone B.

m) **PCA #49 - Salvage Yard, including automobile wrecking**

- Identified PCB and metals exceedences in the soil at a former auto wreckers at 107 Stuart St and 279 Bay St N, adjacent north and east of Zone D.
- Waxman & Sons (scrap metal) was located at 2 Harriet St, approximately 50 m southwest of Zone E.
- Sam's Auto Wrecking was located at 120-130, 131-139 Caroline St N and 17 Mill St, approximately 50 m southwest of Zone E.
- Lax Morris Scrap Metals Ltd. was located at 37-43 Railway St, approximately 120 m south of Zone E.
- Sam's Auto Wrecking was located at 129 Mulberry St, approximately 150 m south of Zone E.

n) **PCA #52 - Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation system**

- Approximately 20 m north of the Phase One Property are the rail yards with a historic roundhouse and activities occurring since the mid-1800s.

o) **PCA #58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners**

- A historic landfill was noted in the 1800s-unknown, presumably to infill the natural ravine located in the area of Railway St. Coal tar wastes may have been deposited in this location. The exact location of the landfill is unknown; however it was noted to be in the vicinity of Sheaffe and Bay St N.

p) **PCA #59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products**

- Adjacent west of Zone A was the Robert Thompson Lumber Yard in the late 1800s.
- Approximately 20 m north of the Phase One Property are the rail yards with a historic roundhouse and activities occurring since the mid-1800s. Rail ties are inferred to have been used and stored on this property.

7.3 Areas of Potential Environmental Concern

Amec Foster Wheeler's findings regarding areas of potential environmental concern (APEC) as a result of interviews and the reconnaissance are presented in Section 6.4. Section 7.4, Conceptual Site Model, provides more detailed discussion on these findings and their supporting rationale.

Table 14: Table of Areas of Potential Environmental Concern

Zone A – 231 Stuart St/249 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC A1 Table 3 Exceedences of Arsenic and PAHs in Soil; and PHC F2, F3 and F4 in Ground Water	Central	Other – Confirmed Soil Exceedances	Zone A On-Site	As PAHs	Soil
		Other – Confirmed Ground Water Exceedances		PHCs	Ground Water
APEC A2 Resin Used in Sand Castings	Entire Site	2 – Adhesives and Resins Manufacturing, Processing and Bulk Storage	Zone A On-Site	VOCs CPs ABNs Dioxins/Furans, PCDDs/PCDFs (Furans)	Soil Ground Water
APEC A3 Former Asphalt Manufacturing Facility	Entire Site	5 - Asphalt and Bitumen Manufacturing	Zone A On-Site	PHCs PAHs Metals As, Sb, Se Cr (VI) BTEX	Soil Ground Water
APEC A4 Petroleum Product Storage: a) Inferred out of use AST b) Former Oil Drum Storage c) Two 1,138 L Fuel Oil Tanks	West Central Southeast	28 - Gasoline and Associated Products Storage in Fixed Tanks	Zone A On-Site	PHCs PAHs BTEX	Soil Ground Water
APEC A5 Various Stockpiles/Fill	East and West Portions	30 - Importation of Fill Material of Unknown Quality	Zone A On-Site	Metals As, Sb, Se Cr (VI) SAR EC PAHs PCBs PHCs BTEX	Soil Ground Water
APEC A6 Historical Wire Cutting	Northeast	32 - Iron and Steel Manufacturing and Processing	Zone A On-Site	Metals As, Sb, Se Cr (VI) PHCs VOCs	Soil Ground Water

Zone A – 231 Stuart St/249 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC A7 Spill of 50 Drums of Unknown Product Inferred Hazardous Material Storage	Central and North Portion	33 - Metal Treatment, Coating, Plating and Finishing	Zone A On-Site	Metals As, Sb, Se Cr (VI) CN- Hg PHCs VOCs PAHs PCBs	Soil Ground Water
APEC A8 Rail Siding	Western boundary	46 - Rail Yards, Tracks and Spurs	Zone A On-Site	PHCs Metals As, Sb, Se Cr (VI) BTEX CPs	Soil
APEC A9 Former Lumber Storage	Central Portion	59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Zone A On-Site	Metals As, Sb, Se Cr (VI) BTEX CPs ABNs	Soil Ground Water
APEC A10 Former Coal Yard and Crushing Facility	Entire Site Bulk Storage Noted at North, West and Southeast. Coal crusher at southeast.	Other – Bulk Coal and Coke Storage Coal Grinding, Mixing, Bagging	Zone A On-Site	PAHs PHCs BTEX	Soil Ground Water
APEC S7 Former Lumber Yard	South and Western Portions (Adjacent south and west of Zone A)	59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Off-Site	Metals As, Sb, Se Cr (VI) BTEX CPs ABNs	Soil Ground Water
APEC S8 Steel Co. of Canada, Hamilton Steel & Iron Co. Ltd., Hamilton Forging Co.	South and Western Portions (Adjacent south and west of Zone A, 238-242 Queen St N)	32 - Iron and Steel Manufacturing and Processing 18 - Electricity Generation, Transformation and Power Stations	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PAHs PCBs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S9	North and West Portions	46 - Rail Yards, Tracks and Spurs	Off-Site	VOCs	Soil

Zone A – 231 Stuart St/249 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
Rail Yards and Historical Roundhouse and Adjacent Rail Siding	(~20 m north of Zone A with rail siding adjacent west)	52 - Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation system 59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products		PHCs Metals As, Sb, Se Cr (VI) PCBs PAHs ABNs CPs	Ground Water
APEC S10 Burlington Bay Infilling	North Portion (~20 m west and north of Zone A)	30 - Importation of Fill Material of Unknown Quality	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PCBs PAHs ABNs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S21 Steel Company of Canada Limited and Other Metal Manufacturing Companies	South and Western Portions (~75 m west of Zone A, 243 Queen St N)	18 - Electricity Generation, Transformation and Power Stations 28 - Gasoline and Associated Products Storage in Fixed Tanks 32 - Iron and Steel Manufacturing and Processing	Off-Site	PHCs Metals As, Sb, Se Cr (VI) VOCs PAHs PCBs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S22 Swift Devices Ltd., Thomson-Gordon	South Portion (~100 m south of Zone A, 234-236 Queen St N)	34 - Metal Fabrication	Off-Site	PHCs Metals As, Sb, Se VOCs	Soil Ground Water
APEC S29 Steel Co. of Canada	South and Western Portions (~125 m southwest of Zone A, 237 Queen St N)	32 - Iron and Steel Manufacturing and Processing	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PAHs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water

Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC B1 Trucking and Repairs Facility and Autobody Shop	Southwest Portion (228 Hess St N)	10 - Commercial Autobody Shops 11 - Commercial Trucking and Container Terminals 39 - Paints Manufacturing, Processing and Bulk Storage Other – Bulk Coal and Coke Storage	Zone B On-Site	PHCs VOCs Metals As, Sb, Se PAHs	Soil Ground Water
APEC B2 Vehicle Maintenance	Southeast Corner (162 Barton St W)	10 - Commercial Autobody Shops	Zone B On-Site	PHCs VOCs Metals As, Sb, Se	Soil Ground Water
APEC B3 Loth Auto Collision and Painting	Southwest Portion (182 Barton St W)	10 - Commercial Autobody Shops	Zone B On-Site	PHCs VOCs Metals As, Sb, Se	Soil Ground Water
APEC B4 Petroleum Product Storage and Retail Fuel Outlet	North - Next to Historical Office Oil House - Central South of Foundry (239 Caroline St N) Residential Fuel Oil (Along Barton St W) Southwest Corner (182, 184 and 198 Barton St W)	28 - Gasoline and Associated Products Storage in Fixed Tanks	Zone B On-Site	PHCs Metals (Lead) PAHs BTEX	Soil Ground Water
APEC B5 Rail Sidings	Northwest to east side Northeast corner Central portion (239 Caroline St N)	46 - Rail Yards, Tracks and Spurs	Zone B On-Site	PHCs Metals As, Sb, Se Cr (VI) BTEX CPs	Soil
APEC B6 Can Am Plastics NA Inc. and Junk Yard	Inferred Southeast Portion (259 Caroline St N)	43 - Plastics (including Fibreglass) Manufacturing and Processing 49 - Salvage Yard, including automobile wrecking	Zone B On-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) ABNs CPs	Soil Ground Water

Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
				PCBs PAHs	
APEC B7 Historical Foundries and Metal Recyclers	North, Central and Part of Southern Portion (239 Caroline St N)	30 - Importation of Fill Material of Unknown Quality 32 - Iron and Steel Manufacturing and Processing 34 - Metal Fabrication 49 - Salvage Yard, including automobile wrecking 55 - Transformer Manufacturing, Processing and Use Other - Tarring (Including Tar Tank and Piping) Other - Bulk Coal and Coke Storage Other – Hazardous Dust Confirmed by TCLP	Zone B On-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) EC SAR PCBs PAHs ABNs CPs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S1 Former Coal Tar Facility and Chemical Manufacturer	Southeast Portion (~180 m south of Zone B, Southeast corner of Sheaffe St and Caroline St N)	8 - Chemical Manufacturing, Processing and Bulk Storage 9 - Coal Gasification 28 - Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	Metals As, Sb, Se Cr (VI) VOCs PHCs ABNs CPs PAHs pH	Soil Ground Water
APEC S2 PAH and DNAPL Identified in Ground Water at 6.1 m Through Previous Assessments by Others	South and Eastern Portion (~20 m east of Zone B, 128 Barton St W)	Other – Confirmed Ground Water Contamination	Off-Site	PHCs PAHs VOCs CPs ABNs	Ground Water
APEC S8 Steel Co. of Canada, Hamilton Steel & Iron Co. Ltd., Hamilton Forging Co.	Western Portion (~20 m west of Zone B, 238-242 Queen St N)	32 - Iron and Steel Manufacturing and Processing 18 - Electricity Generation, Transformation and Power Stations	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PAHs PCBs	Soil Ground Water

Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
				Dioxins/Furans, PCDDs/PCDFs	
APEC S9 Rail Yards and Historical Roundhouse	Northern Portion (~20 m north of Zone B)	46 - Rail Yards, Tracks and Spurs 52 - Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation system 59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PCBs PAHs ABNs CPs	Soil Ground Water
APEC S12 Ram Refined Alloys Ltd.	Southern Portion (~20 m south of Zone B, 167 Barton St W)	33 - Metal Treatment, Coating, Plating and Finishing	Off-Site	VOCs Metals As, Sb, Se Cr (VI) PHCs PAHs	Soil Ground Water
APEC S15 Binns Welding & Fabrication	Southwest Portion (~30 m southwest of Zone B, 221 Barton St W)	34 - Metal Fabrication	Off-Site	VOCs Metals As, Sb, Se Cr (VI) PHCs PAHs	Soil Ground Water
APEC S20 Risidore Brothers, Heavy Machinery Movers A. Cupido Haulage	Southwest Portion (~60 m southwest of Zone B, 215 Hess St N)	11 - Commercial Trucking and Container Terminals 28 - Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	PHCs Metals As, Sb, Se BTEX	Soil Ground Water
APEC S23 Cartage Companies	Southern Portion (~85 m south of Zone B, 15 Windsor St)	11 - Commercial Trucking and Container Terminals 28 - Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	PHCs Metals As, Sb, Se BTEX	Soil Ground Water
APEC S24 Sheet Metal Companies	Southwest Portion (~90 m southwest of Zone B, 206-208 Queen St N)	34 - Metal Fabrication	Off-Site	PHCs Metals As, Sb, Se VOCs	Soil Ground Water

Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC S25 Niagara Auto Body	Southwest Portion (~90 m southwest of Zone B, 206-208 Queen St N)	10 - Commercial Autobody Shops	Off-Site	PHCs Metals As, Sb, Se Cr (VI) VOCs	Soil Ground Water
APEC S26 Thomson-Gordon Ltd., Plant No. 2	Southwest Portion (~90 m southwest of Zone B, 208 Queen St N)	32 - Iron and Steel Manufacturing and Processing	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PAHs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S30 Thomson-Gordon Ltd. Rubber and Asbestos Packing	Southwest Portion (~140 m southwest of Zone B, 200 Hess St N)	28 - Gasoline and Associated Products Storage in Fixed Tanks 47 - Rubber Manufacturing and Processing	Off-Site	VOCs PHCs Metals As, Sb, Se	Soil Ground Water

Zone C – 128 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC C1 Table 3 Exceedences of PAHs, BTEX and PHC in Soil and PAHs, PHC, Benzene and Sodium in Ground Water	Southern Portion	Other – Confirmed Soil and Ground Water Exceedences	Zone C On-Site	PAHs PHCs BTEX Na	Soil Ground Water
APEC C2 Widespread Surficial Metals Exceedences	Entire Site	Other – Confirmed Surficial Soil Metals Contamination	Zone C On-Site	Metals As, Sb, Se Cr (VI)	Soil Ground Water
APEC C3 PAH and DNAPL Identified in Ground Water at 6.1 m Through Previous	Southern Portion	9 - Coal Gasification Other – Confirmed Ground Water Contamination	Zone C On-Site	PHCs PAHs VOCs CPs ABNs	Ground Water

Zone C – 128 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
Assessments by Others					
APEC C4 Former Foundry and Manufacturer	Former Facility	2 – Adhesives and Resins Manufacturing, Processing and Bulk Storage	Zone C On-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PCBs PAHs ABNs CPs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
	Unknown (Associated with Former Facility)	20 - Explosives and Ammunition Manufacturing, Production and Bulk Storage			
	Former Facility	26 - Foam and Expanded Foam Manufacturing and Processing			
	Oil House and Grease Room at North of Former Facility Possible Former Underground Storage Tank at Northwest	28 - Gasoline and Associated Products Storage in Fixed Tanks			
	Former Facility	29 - Glass Manufacturing			
	Entire Site	32 - Iron and Steel Manufacturing and Processing			
	Entire Site	33 - Metal Treatment, Coating, Plating and Finishing			
	Entire Site	34 - Metal Fabrication			
	North of Former Building	39 - Paints Manufacturing, Processing and Bulk Storage			
APEC C5 Stockpiled Fill	Southern Portion Boundary along Tiffany St N and Barton St W	30 - Importation of Fill Material of Unknown Quality	Zone C On-Site	PHCs Metals As, Sb, Se Cr (VI) SAR EC PAHs PCBs VOCs	Soil Ground Water
APEC C6 Former Rail Sidings	North to Southeast Portions	46 - Rail Yards, Tracks and Spurs	Zone C On-Site	PHCs Metals	Soil

Zone C – 128 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
				As, Sb, Se Cr (VI) BTEX CPs	
APEC C7 Historical Transformers	Southwest Corner Northeast of Former Facility	55 - Transformer Manufacturing, Processing and Use	Zone C On-Site	PCBs PHCs BTEX	Soil Ground Water
APEC C8 Bulk Coal Storage	Northeast	Other – Bulk Coal Storage	Zone C On-Site	PAHs PHCs BTEX	Soil Ground Water
APEC S3 Identified PCB and Metals Exceedences in Soil at Former Auto Wreckers	Northeast Portion (~20 m east of Zone C, 107 Stuart St, 279 Bay St N)	49 - Salvage Yard, including automobile wrecking	Off-Site	PCBs Metals As, Sb, Se Cr (VI)	Soil
APEC S6 Auto Wreckers	Northeast Portion (~20 m east of Zone C, 265-279 Bay N)	49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water
APEC S9 Rail Yards and Historical Roundhouse	Northern Portion (~20 m North of Phase One Property)	46 - Rail Yards, Tracks and Spurs 52 - Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation system 59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PCBs PAHs ABNs CPs	Soil Ground Water
APEC S27 Hamilton Gaslight Company / United Gas & Fuel Co. of Hamilton Ltd.	South Portion (~240 m southeast of Zone C, 114 Bay St N, 141-147 Park St N, 69-99 Mulberry St and 100 Mulberry St)	9 - Coal Gasification	Off-Site	Metals As, Sb, Se VOCs PHCs CPs ABNs PAHs	Soil Ground Water

Zone C – 128 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
				pH	

Zone D – 4, 10, 16, 22, 26, 28, 30 and 32 Tiffany St, 112 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC D1 Varga's Garage	Southeast Corner (112 Barton St W)	10 - Commercial Autobody Shops	Zone D On-Site	PHCs VOCs Metals As, Sb, Se Cr (VI)	Soil Ground Water
APEC D2 68 m^3 Stockpile	North Portion (30 Tiffany St)	30 - Importation of Fill Material of Unknown Quality	Zone D On-Site	PHCs Metals As, Sb, Se BTEX	Soil
APEC D3 Former Fuel Oil Tanks	Uncertain (Associated with Residential Dwellings)	28 - Gasoline and Associated Products Storage in Fixed Tanks	Zone D On-Site	PHCs PAHs BTEX	Soil Ground Water
APEC S1 Former Coal Tar Facility and Chemical Manufacturer	Central and South Portion (~180 m south of Zone D, southeast corner of Sheaffe St and Caroline St N)	8 - Chemical Manufacturing, Processing and Bulk Storage 9 - Coal Gasification 28 - Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	Metals As, Sb, Se Cr (VI) VOCs PHCs ABNs CPs PAHs pH	Soil Ground Water
APEC S2 PAH and DNAPL Identified in Ground Water at 6.1 m Through Previous Assessments by Others	Central and South Portion (~20 m west of Zone D, 128 Barton St W)	Other - Confirmed Ground Water Contamination	Off-Site	PHCs PAHs VOCs CPs ABNs	Ground Water
APEC S3 Identified PCB and Metals Exceedences in Soil at Former Auto Wreckers	North and East Portion (Adjacent north and east of Zone D, 107 Stuart St, 279 Bay St N)	49 - Salvage Yard, including automobile wrecking	Off-Site	PCBs Metals As, Sb, Se Cr (VI)	Soil

Zone D – 4, 10, 16, 22, 26, 28, 30 and 32 Tiffany St, 112 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC S4 Bridge and Tank Co. of Canada/Hamilton Bridge Co. Ltd.	South Portion (~20 m southeast of Zone D, 231 Bay St N)	32 - Iron and Steel Manufacturing and Processing	Off-Site	PHCs VOCs Metals As, Sb, Se Cr (VI) PAHs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S5 Kurey's Garage	South Portion (Adjacent south of 4 Tiffany St, adjacent west of 112 Barton St W, 2 Tiffany St)	10 - Commercial Autobody Shops 28 - Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	PHCs VOCs Metals As, Sb, Se Cr (VI)	Soil Ground Water
APEC S6 Auto Wreckers	North and East Portions (Adjacent north and east of Zone D, 265-279 Bay N)	49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water
APEC S17 Patco Chemicals	Northeast Portion (~50 m northeast of Zone D, 281 Bay St N)	8 - Chemical Manufacturing, Processing and Bulk Storage	Off-Site	VOCs PHCs Metals As, Sb, Se Hg Cr (VI) pH CN- PCBs ABNs CPs	Soil Ground Water
APEC S27 Hamilton Gaslight Company / United Gas & Fuel Co. of Hamilton Ltd.	Southern Portion (~225 m south of Zone D, 114 Bay St N, 141-147 Park St N, 69-99 Mulberry St and 100 Mulberry St)	9 - Coal Gasification	Off-Site	Metals VOCs PHCs CPs ABNs PAHs pH	Soil Ground Water

Zone E – 115-125 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC E1 DNAPL Identified in Ground Water Adjacent North Through Previous Assessments by Others	Entire Property	Other - Confirmed Ground Water Contamination	Zone E On-Site	PHCs PAHs VOCs CPs ABNs	Ground Water
APEC E2 Vehicle Repair and Maintenance	North Building, Machine Shop at Northeast (Central Services) South Building (Carpenters Shop)	10 - Commercial Autobody Shops	Zone E On-Site	PHCs VOCs Metals As, Sb, Se Cr (VI)	Soil Ground Water
APEC E3 Petroleum Product Storage	Underground Storage Tanks Between Two Main Buildings Current Underground Storage Tanks at Northwest Gasoline Storage at Southwest	28 - Gasoline and Associated Products Storage in Fixed Tanks	Zone E On-Site	PHCs Metals (Lead) BTEX	Soil Ground Water
APEC E4 Former Bridge Manufacturing Facility	Entire Site	32 - Iron and Steel Manufacturing and Processing 34 - Metal Fabrication	Zone E On-Site	PHCs VOCs Metals As, Sb, Se Cr (VI) PAHs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC E5 Paint Storage	South of Main Facility Southwest Corner	39 - Paints Manufacturing, Processing and Bulk Storage	Zone E On-Site	VOCs	Soil Ground Water
APEC E6 Rail Sidings	Northwest and West Side	46 - Rail Yards, Tracks and Spurs	Zone E On-Site	PHCs Metals As, Sb, Se Cr (VI) BTEX CPs	Soil
APEC E7 Historical Transformer Buildings and Transformer	Northwest Corner Western Portion of Main Facility	55 – Transformer Manufacturing, Processing and use	Zone E On-Site	PHCs PCBs BTEX	Soil Ground Water

Zone E – 115-125 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC E8 PCB Storage Site and Transfer Station	Northwest Corner of South Building (Carpenter's Shop)	58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Zone E On-Site	PCBs	Soil Ground Water
APEC E9 Bulk Lumber Storage	South of Main Building	59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Zone E On-Site	Metals As, Sb, Se Cr (VI) BTEX CPs ABNs	Soil Ground Water
APEC E10 Coal Storage	Northwest Portion	Other – Bulk Coal Storage	Zone E On-Site	PAHs PHCs BTEX	Soil Ground Water
APEC S1 Former Coal Tar Facility and Chemical Manufacturer	Entire Site (~20 m south of Zone E, southeast corner of Sheaffe St and Caroline St N)	8 - Chemical Manufacturing, Processing and Bulk Storage 9 - Coal Gasification 28 - Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	Metals As, Sb, Se Cr (VI) VOCs PHCs ABNs CPs PAHs pH	Soil Ground Water
APEC S2 PAH and DNAPL Identified in Ground Water at 6.1 m Through Previous Assessments by Others	Entire Site (~20 m north of Zone E, 128 Barton St W)	9 - Coal Gasification	Off-Site	PHCs PAHs VOCs CPs ABNs	Ground Water
APEC S4 Bridge and Tank Co. of Canada/Hamilton Bridge Co. Ltd.	Northeast Portion (Adjacent east of Zone E, 231 Bay St N)	32 - Iron and Steel Manufacturing and Processing	Off-Site	PHCs VOCs Metals As, Sb, Se PAHs	Soil Ground Water
APEC S11 Historical Landfill	Entire Site (South of Zone E)	58 - Waste Disposal and Waste Management, including thermal treatment,	Off-Site	VOCs PHCs Metals As, Sb, Se	Soil Ground Water

Zone E – 115-125 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
		landfilling and transfer of waste, other than use of biosoils as soil conditioners		Hg CN- B-HWS Cr (VI) SAR EC pH PCBs ABNs CPs PAHs 1,4-Dioxane	
APEC S13 Cartage Companies	Southern Portion (~20 south of Zone E, 171-183 Bay St N)	11 - Commercial Trucking and Container Terminals	Off-Site	PHCs Metals As, Sb, Se BTEX	Soil Ground Water
APEC S14 City of Hamilton Central Garage	Southern Portion (~20 south of Zone E, 177 Bay St N)	10 - Commercial Autobody Shops	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI)	Soil Ground Water
APEC S16 Auto Service	East Portion (~40 m east of Zone E, 204-206 Bay St N)	10 - Commercial Autobody Shops	Off-Site	PHCs Metals As, Sb, Se Cr (VI) VOCs	Soil Ground Water
APEC S18 Waxman & Sons, scrap metal, Caroline Steel and Pipe Supply Ltd.	Southwest Portion (~50 m southwest of Zone E, 2 Harriet St)	34 - Metal Fabrication 49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water
APEC S19 Sam's Auto Wrecking	Southwest Portion (At least 50 m southwest of Zone E, 120-130, 131-139 Caroline St N, 17 Mill St)	49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water
APEC S27	Entire Site	9 - Coal Gasification	Off-Site	Metals VOCs	Soil Ground Water

Zone E – 115-125 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
Hamilton Gaslight Company / United Gas & Fuel Co. of Hamilton Ltd.	(At least 110 m south/southeast of Zone E, 114 Bay St N, 141-147 Park St N, 69-99 Mulberry St and 100 Mulberry St)			PHCs CPs ABNs PAHs pH	
APEC S28 Lax Morris Scrap Metals Ltd.	Southern Portion (~120 m south of Zone E, 37-43 Railway St)	49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water
APEC S31 Sam's Auto Wrecking	Southern Portion (~150 m south of Zone E, 129 Mulberry St)	49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water

*Potentially Contaminating Activity (PCA) described specifically for the Phase One Property with reference to the applicable item number in the Table of Potentially Contaminating Activities provided in Schedule D of *O.Reg. 153/04* as amended, where applicable.

ABNs – Acid/Base/Neutral Compounds
PHCs – Petroleum Hydrocarbons
PCBs – Polychlorinated Biphenyls
PAHs - Polycyclic Aromatic Hydrocarbons
VOCs – Volatile Organic Compounds (includes BTEX –Benzene, Toluene, Ethylbenzene and Xylenes)
CN^- - Cyanide
Cr (VI) – Chromium VI
Hg – Mercury
As, Sb, Se – Arsenic, Antimony, Selenium (Hydride-Forming Metals)
EC – Electrical Conductivity
SAR – Sodium Adsorption Ratio
CPs – Chlorophenols
Na – Sodium
B-HWS – Hot Water Soluble Boron

7.4 Phase One Conceptual Site Model

7.4.1 Physical Setting

The physical geography of the area of the Phase One Property and surrounding properties is of the Iroquois Plain consisting of sand plains (ERIS, Physiography Report). The overburden of the area of the Site and surrounding properties is lacustrine and outwash sand (ERIS, Surface Geology Report). Bedrock in area is noted to be Queenston Formation consisting of shale, limestone, dolostone and siltstone (ERIS, Bedrock Geology Report).

Zone A appeared relatively flat. Zone B was undulating at the north due to significant amounts of fill materials and generally flat at the south portion. Zone C was relatively flat, however shoring was required using stockpiled fill along Barton St W and Tiffany St. A significant slope was observed between the properties on Tiffany St with the properties on Bay St N, with Bay St N at a higher elevation. Based on historical mapping, this topography is considered natural. Zone E was gently sloping from the east to become generally flat towards Caroline St N. Hamilton Harbour, as part of Lake Ontario is located approximately 180 metres north of the Phase One Property.

In previous studies conducted in the vicinity of the Phase One Property, ground water was found between 0.004 and 3.0 mbgs.

A note within "*Footsteps in Time, Exploring Hamilton's Heritage Neighbourhoods,"* Volume I, written by Bill Manson, 2003, noted a natural spring located at Bay and Mulberry Sts in the mid-1800s.

Three (3) monitoring wells were observed on the Zone A property and another well adjacent northwest of the property boundary. Monitoring wells were also observed on Caroline St N, adjacent to the southeast corner of 239 Caroline St N and another adjacent north of 128 Barton St W. MOECC Well Records indicated well(s) were present at 231 Stuart St, completed in 2013 and 128 Barton St W installed in 2010. A small drainage stream flowed slowly south to north through the centre of 231 Stuart St with an unidentified beginning (likely south central area) and ending through infiltration at the north portion of the property.

Multiple areas of disturbed soil/in-filling were observed at 231 Stuart St (Zone A) with the ground surface generally consisting of uneven soil, gravel and crushed asphalt. The topography of the entire northern portion of Zone B, with exception of an access roadway from Caroline St N that ran across the northern boundary, was higher in elevation than surrounding areas due to stockpiled and graded soil. Numerous stockpiles were noted on top of this overall graded filled area. Observed at 128 Barton St W was a large stockpile, approximately 570 m^3, with shale and soil on the surface, in the centre of the property and a smaller stockpile of soil, approximately 25 m^3, at the southeast. Disturbed soil was located along Barton St W and Tiffany St for shoring purposes in Zone C. A grassed fill pile measuring approximately 68 m^3 in size, was located on the northeast corner of 30 Tiffany St.

7.4.2 Water Bodies and Areas of Natural Significance

No Areas of Natural Significant were identified for the Phase One Property. The nearest water body is Hamilton Harbour (Lake Ontario) approximately 180 metres to the north.

7.4.3 Phase One Property Structures and Preferential Pathways

Although the former industrial buildings are slab on grade, pits and underground trenches may have been present or are still present under the current floor slabs. Some pits were observed at Zone C. these pits and the deeper foundations may represent a contaminant pathway from surface.

Fill has been identified up to 2.4 mbgs on the Phase One Property (Zone A) which may act as a preferential pathway as ground water has been identified within this depth.

Utility trenches may represent a pathway as ground water has been identified in some locations above the minimal depth of utility servicing; however, current utility plans for the properties have not been provided. Given the Phase One Property has changed building configurations and has been utilized for predominantly industrial use, various current and historical utility trenches would have been present throughout the property.

A Work Order prepared by the City of Hamilton in 1962 noted an interceptor trench tunnel running along Barton St W which may act as a contaminant pathway. No other details on the tunnel were available.

7.4.4 Sources of Contamination

To aid in clarifying potential concerns identified in the Phase One Property, APECs have been numbered using their respective Zone identifier. APECs identified from off-site activities are denoted with an 'S' for surrounding.

Soil and ground water exceedences were identified on Zone A through a previous Phase II ESA conducted by MTE Consultants in 2013 consisting of PAHs and arsenic in soil and PHC F2 to F4 in ground water (**APEC A1**). Contaminants of concern include metals, PAHs in soil and PHCs in ground water in the central portion of Zone A.

Historical activities have occurred on the Zone A property since at least the 1920s including sand casting, an asphalt plant and coal crushing, grinding and bagging as identified through FIPs, chain of title and city directories (**APEC A2**, **APEC A3** and **APEC A10**). Contaminants of concern include VOCs (including benzene, toluene, ethylbenzene, and xylenes [BTEX]), chlorophenols (CPs), acid/base/neutral compounds (ABNs), PHCs, PAHs, metals (including arsenic (As), antimony (Sb) and selenium (Se)), chromium VI, and dioxins/furans at the Zone A property.

Petroleum product storage occurred on Zone A in the form of an out of use AST at the west central portion as viewed during the site reconnaissance, former oil drum storage identified through a 1989 site plan located in the west central building and two 1,138 L fuel oil tanks were depicted in a 1989 site plan in the basement in the southeast corner (**APEC A4)**. Contaminants of concern include PHCs, PAHs and BTEX in the west central and southeast portion of Zone A.

Multiple areas of disturbed soil/in-filling were observed at Zone A during the site reconnaissance including crushed asphalt and bricks across the property, stockpiles of construction debris and garbage, and berms of inferred soil (**APEC A5**). Contaminants of concern include metals (including As, Sb and

Se), chromium VI, sodium adsorption ratio (SAR), electrical conductivity (EC), PAHs, PCBs, PHCs and BTEX at the east and west portions of Zone A.

Historical wire cutting was noted in the building located at the northeast of Zone A as shown in the 1964 FIP (**APEC A6**). Contaminants of concern include metals (including As, Sb and Se), chromium VI, PHCs and VOCs in the northeast of Zone A.

A spill of up to 6,000 litres of reddish liquid due to vandalism was found in Zone A in 2016 (**APEC A7**). The liquid was found to contain elevated levels of copper, nickel and chromium above the City of Hamilton sewer use bylaw. A City of Hamilton press release noted remaining drums thought to contain hazardous material were stored in intermodal units which were then welded shut. Four intermodal units were observed onsite during the Site reconnaissance. Contaminants of concern include metals (including As, Sb and Se), chromium VI, cyanide, mercury, PHCs, VOCs, PAHs and PCBs.

A portion of a historical rail siding was observed at the northwest corner of Zone A, underneath fill (**APEC A8**) and a second rail siding was located adjacent to the western boundary of Zone A as shown through FIPs (**APEC S9**). Contaminants of concern include PHCs, metals (including As, Sb, and Se), chromium VI, BTEX and CPs.

Former lumber storage was identified in the central portion of Zone A in the 1898 FIP (**APEC A9**). Lumber storage continued on the adjacent south and western properties in this same timeframe (**APEC S7**). Contaminants of concern include metals (including As, Sb and Se), chromium VI, BTEX, CPs and ABNs.

The Steel Co. of Canada, Hamilton Steel & Iron Co. Ltd. and Hamilton Forging Co. were located adjacent south and west of Zone A for iron and steel manufacturing and processing and contained a substation approximately 70 m south of Zone A (**APEC S8**). This industrial complex spanned across Queen St N, ~75 m west of Zone A and contained a power and pump house, an oil house, a 50,000 gallon oil tank and gasoline storage **(APEC S21).** Steel Co. of Canada was also listed in city directories at 237 Queen St N, ~125 m southwest of Zone A (**APEC S29**). Contaminants of concern include PHCs, metals (As, Sb and Se), chromium VI, VOCs, PAHs, PCBs and dioxins/furans.

Swift Devices Ltd. and Thomson-Gordon were located at 234-236 Queen St N, approximately 100 m south of Zone A, for industrial manufacturing as identified in city directories (**APEC S22**). Contaminants of concern include PHCs, metals (including As, Sb and Se) and VOCs in the south portion of Zone A.

As noted in the Canadian Mining Review, 1896, the area north of the Phase One Property was in filled (possibly with cinders) and an 1850/51 survey plan depicted the Burlington Bay shoreline at the property adjacent north of Zone A (**APEC S10**). Contaminants of concern include VOCs, PHCs, metals (including As, Sb, and Se), chromium VI, PCBs, PAHs, ABNs and dioxins/furans.

As shown in the FIPs, north and northwest of the Phase One Property were the rail yards with a historic roundhouse, coal storage, and industrial activities such as engine repair and a bolt shop occurring since the mid-1800s (**APEC S9**). Contaminants of concern include VOCs, PHCs, metals (including As, Sb and Se), chromium VI, PCBs, PAHs, ABNs and CPs.

A trucking and Repairs Facility and an Autobody Shop were located at 228 Hess St N in the southwest portion of Zone B (**APEC B1**). Coal storage was also depicted on a FIP. Contaminants of concern include PHCs, VOCs, metals (including As, Sb and Se) and PAHs.

Vehicle maintenance has been conducted at 162 Barton St W in the southwest portion of Zone B in the 2000s as noted in city directories (**APEC B2**). Contaminants of concern include PHCs, VOCs and metals (including As, Sb and Se).

Loth Auto Collision and Painting was located at 182 Barton St W at the southwest portion of Zone B at noted in city directories (**APEC B3**). Contaminants of concern include PHCs, VOCs and metals (including As, Sb and Se).

Petroleum storage in Zone B has occurred in several locations including: north portion adjacent to a historical foundry office, an oil house in the central portion, a tank south of the historical foundry, residential fuel oil along Barton St W and at the southwest corner in the form of a fuel oil and retail fuel outlets (**APEC B4**). No tanks or evidence of tanks were observed during the site reconnaissance. The USTs associated with the retail fuel outlet were removed in 2015 according to the Site representative. Tank and oil house locations were identified through FIPs, with exception of the residential fuel oil tanks which were noted though an occurrence report of a carbon monoxide release from a residential fuel oil tank. Contaminants of concern include PHCs, metals (lead), PAHs and BTEX.

Rail sidings were observed during the Site reconnaissance and confirmed through FIPs, at the northwest to east, northeast corner and central portion of 239 Caroline St N in Zone B (**APEC B5**). Contaminants of concern include PHCs, metals (including As, Sb and Se), chromium VI, and BTEX.

Cam Am Plastics NA Inc. and a junk yard were located at 259 Caroline St N, in the southeast portion of Zone B as noted in city directories and FIPs (**APEC B6**). Contaminants of concern include VOCs, PHCs, metals (including As, Sb and Se), chromium VI, ABNs, CPs, PCBs and PAHs.

The property at 239 Caroline St N in Zone B has been used for industrial purposes such as iron foundries, engine works, and metal recyclers since the 1800s as noted in city directories and FIPs (**APEC B7**). Transformers were associated with the former foundries as shown on FIPs. Coal/coke storage was noted in the northwest and tarring and tank lines have also been associated with this property as denoted on FIPs in the central east portion. A significant volume of fill materials occupy the property at this time. An assessment in 2010 identified dust in the former lead recycling facility as hazardous (B&M Metals). Contaminants of concern include VOCs, PHCs, metals (including As, Sb and Se), chromium VI, EC, SAR, PCBs, PAHs, ABNs, CPs and dioxins/furans.

The Hamilton Tar and Ammonia Co. Ltd. and Currie Products Ltd. as noted in FIPs, city directories and the coal gasification plants inventory were located at the southeast corner of Sheaffe St and Caroline St N from approximately 1901-1977 (**APEC S1**). Contaminants of concern include metals (including As, Sb and Se), chromium VI, VOCs, PHCs, ABNs, CPs, PAHs and pH.

PAH and DNAPL has been identified through previous assessments and reported by DCS on the roadway immediately south of Zone C at a depth of 4.5 to 9.5 mbgs. PAH, PHCs, benzene, sodium and

NAPL has been identified on the Zone C property at 6.1 mbgs at the south end (**APEC C3** and **APEC S2**). Contaminants of concern include PHCs, PAHs, VOCs, CPs and ABNs.

Ram Refined Alloys Ltd. was located at 167 Barton St W as identified through city directories, approximately 20 m south of Zone B (**APEC S12**). Contaminants of concern include VOCs, metals (including As, Sb and Se), chromium VI, PHCs and PAHs.

Binns Welding & Fabrication was located at 221 Barton St W, approximately 30 m southwest of Zone B as identified through city directories (**APEC S15**). Contaminants of concern include VOCs, metals (including As, Sb and Se), chromium VI, PHCs and PAHs.

Risidore Brothers, Heavy Machinery Movers and A. Cupido Haulage were located at 215 Hess St N, approximately 60 m southwest of Zone B as identified through city directories (**APEC S20**). A storage tank was associated with this property. Contaminants of concern include PHCs, metals (including As, Sb and Se) and BTEX.

Cartage companies were located at 15 Windsor St, approximately 85 m south of Zone B as noted in city directories (**APEC S23**). A storage tank was associated with this property. Contaminants of concern include metals (including As, Sb and Se), PHC F1 to F4 and BTEX.

Sheet metal companies were located at 206-208 Queen St N, approximately 90 m southwest of Zone B, as noted in city directories (**APEC S24**). Contaminants of concern include PHCs, metals (including As, Sb and Se) and VOCs.

Niagara Auto Body was located at 206-208 Queen St N, approximately 90 m southwest of Zone B, as noted in city directories (**APEC S25**). Contaminants of concern include PHCs, metals (including As, Sb and Se), chromium VI, and VOCs.

Thomson-Gordon Ltd. Plant No. 2 was located at 208 Queen St N, approximately 90 m southwest of Zone B, as noted in city directories (**APEC S26**). Contaminants of concern include VOCs, PHCs, metals (including As, Sb and Se), chromium VI, PAHs and dioxins/furans.

Thomson-Gordon Ltd. Rubber and Asbestos Packing was located at 200 Hess St N, approximately 140 m southwest of Zone B as noted in FIPs (**APEC S30**). Contaminants of concern include VOCs, PHCs and metals (including As, Sb and Se).

Exceedences of the Table 3 standards for PAHs, BTEX and PHC in soil and PAHs, PHC, benzene and sodium in ground water were identified at the south portion of 128 Barton St W in Zone C as reported by DCS in 2010 (**APEC C1**). Widespread surficial metal exceedences were also noted for the entire site (**APEC C2**). Contaminants of concern include metals (including As, Sb and Se), chromium VI, sodium, BTEX, PHC and PAHs.

The property at 128 Barton St W in Zone C has been used for industrial purposes including bridge, tank, drum, water heater and engine manufacturing since the late 1800s (**APEC C4**). Rheem Canada was noted as having a Certificate of Approval for exhausting resins and was a registered waste generator

of resins. Rheem Canada also manufactured foam-lined and glass-lined water heaters. Six sticks of dynamite were discovered in the basement of 128 Barton St W on Zone B according to a newspaper article. The property may have been involved in producing heavily armoured vehicles during the Second World War. Paint storage and handling was noted on FIPs at the north of the former manufacturing facility. Petroleum storage has been depicted on FIPs including an oil house and grease room at the north portion of the former facility and a possible underground storage tank at the northwest. Contaminants of concern include VOCs, PHCs, metals (including As, Sb and Se), chromium VI, PCBs, PAHs, ABNs, CP, and dioxins/furans.

A large stockpile, approximately 570 m^3 with shale and soil on the surface, was observed in the centre of 128 Barton St W on Zone C and a smaller stockpile of soil, approximately 25 m^3 was observed at the southeast. Disturbed soil was located along Barton St W and Tiffany St for shoring purposes on Zone C (**APEC C5**). Contaminants of concern include PHCs, metals (including As, Sb and Se), chromium VI, SAR, EC, PAHs, PCBs and VOCs.

Rail sidings were formerly located from the northwest corner to the southeast portion on Zone C as depicted on FIPs (**APEC C6**). Contaminants of concern include PHCs, metals (including As, Sb and Se), chromium VI, BTEX and CPs.

Transformers were historically located at the southwest corner and northeast of the former facility as shown on FIPs (**APEC C7**). Contaminants of concern include PCBs, PHCs and BTEX.

Bulk coal storage as identified on FIPs was noted at the northeast portion of 128 Barton St W in Zone C (**APEC C8**). Contaminants of concern include PAHs, PHCs and BTEX.

An auto wreckers was located at 265-279 Bay St N and 107 Stuart St, approximately 20 m east of Zone C and adjacent north and east of Zone D from the 1930s to 2010s (**APEC S6**). A Phase II ESA conducted by Provincial Environmental Services Inc. in 1997 identified PCB and metal exceedences at this property (**APEC S3**). Contaminants of concern include VOCs, PHCs, PCBs, metals (including As, Sb and Se), chromium VI and PAHs.

The Hamilton Gaslight Company/United Gas & Fuel Co. of Hamilton Ltd. was listed as being present at 114 Bay St N, 141-147 Park St N, 69-99 Mulberry St and 100 Mulberry St, approximately 110 m south to southeast of Zone E from the 1850s to 1920s (**APEC S27**). The gasification plant had two 50,000 ft^3 gas holders, a 250,000 ft^3 gas holder a coal/coke shed and stockpiles, purifying house two tanks, boilers, retort house and meter repairing. Contaminants of concern include metals (including As, Sb and Se), VOCs, PHCs, CPs, ABNs, PAHs and pH.

Varga's Garage and Lincoln Auto Body were located at 112 Barton St W, in the southeast corner of Zone D, from the 1960s to 2010s (**APEC D1**). A hoist was noted to be present at this location. Contaminants of concern include PHCs, VOCs, metals (including As, Sb and Se and chromium VI.

A grassed covered 68 m^3 stockpile was observed at 30 Tiffany St in the north portion of Zone D (**APEC D2**). Contaminants of concern include PHCs, metals (including As, Sb and Se) and BTEX.

Fuel oil storage tanks are inferred to have been located within the residential dwellings on Tiffany St in Zone D; however, no information on the presence or location of the tanks is available (**APEC D3**).

Natural gas was used for heating at the time of demolition of the houses. Contaminants of concern include PHCs, PAHs and BTEX.

The Bridge and Tank Co. of Canada/Hamilton Bridge Co. Ltd. operated at 231 Bay St N, adjacent east of Zone E and 20 m southeast of Zone D from approximately 1921 to 1961 (**APEC S4**). Contaminants of concern include PHCs, VOCs, metals (including As, Sb and Se), chromium VI, PAHs and dioxins/furans.

Kurey's Garage was located at 2 Tiffany St as noted in city directories, adjacent to 4 Tiffany St and 112 Barton St W (**APEC S5**). An aboveground storage tank was observed at this property. Contaminants of concern include PHCs, metals (including As, Sb and Se), chromium VI and VOCs.

Patco Chemicals was located at 281 Bay St N, approximately 50 m northeast of Zone D from the 1970s to 2010s (**APEC S17**). Contaminants of concern include VOCs, PHCs, metals (including As, Sb and Se), chromium VI, mercury, pH, cyanide, PCBs, ABNs and CPs.

DNAPL has been identified through previous assessments and reported by DCS on the roadway immediately north of Zone E at a depth of 4.5 to 9.5 mbgs (**APEC E1**). Coal tar wastes and the coal tar facility was listed in the previous report as a possible source. Contaminants of concern include PHCs, PAHs, VOCs, CPs and ABNs.

The property at 115-125 Barton St W in Zone E was used for vehicle repair and maintenance purposes in the north Central Services Buildings and south Carpenter Shop from at least the 1970s (**APEC E2**). Contaminants of concern include PHCs, VOCs, metals (including As, Sb and Se) and chromium VI.

Petroleum product storage was conducted at 115-125 Barton St W in Zone E as underground storage tanks between the two main buildings, current USTs at the northwest of the Central Services Building and a former gasoline storage at the southwest of the property (**APEC E3**). It is unknown whether the two tanks shown on building plans are still present. Contaminants of concern include PHCs, BTEX and metals (lead).

Hamilton Bridge Works Co. Ltd. occupied 115-125 Barton St W in Zone E with a bridge shop and carpenter shop from approximately 1910-1954 (**APEC E4**). Contaminants of concern include PHCs, VOCs, metals (including As, Sb and Se), chromium VI, PAHs and dioxins/furans.

Paint storage was noted at the south of the main facility at 115-125 Barton St W in Zone E and at the southwest corner as shown in FIPs (**APEC E5**). Contaminants of concern include VOCs.

Historical rail sidings were present along the west side and northwest portion of 115-125 Barton St W in Zone E (**APEC E6**). Contaminants of concern include PHCs, metals (including As, Sb and Se), chromium VI, BTEX and CPs.

Historical transformer buildings and a transformer were located at the northwest corner of 115-125 Barton St W in Zone E and in the western portion of the main facility as depicted on FIPs and site plans (**APEC E7**). Contaminants of concern include PHCs, PCBs and BTEX.

A registered waste generator and transfer station for PCBs, reportedly consisting of PCB-containing light ballasts, which were formerly stored in the Carpenter's Shop at 115-125 Barton St W in Zone E (**APEC E8**). Contaminants of concern include PCBs.

A small portion at the south of the Central Services Building at 115-125 Barton St W in Zone E was used for lumber storage (**APEC E9**). Contaminants of concern include metals (including As, Sb and Se), chromium VI, BTEX, CPs and ABNs.

The northwest portion of 115-125 Barton St W in Zone E was used for coal storage around the 1910s (**APEC E10**). Contaminants of concern include PAHs, PHCs, and BTEX.

A historic landfill was noted in the 1800s-unknown, presumably to infill the natural ravine located in the area of Railway St (**APEC S11**). Coal tar wastes may have been deposited in this location. The exact location of the landfill is unknown; however it was noted to be in the vicinity of Sheaffe and Bay St N. Contaminants of concern include VOCs, PHCs, metals (including As, Sb and Se), mercury, cyanide, hot water soluble boron, chromium VI, SAR, EC, pH, PCBs, ABNs, CPs, PAHs, and 1,4-dioxane.

Cartage companies were located at 171-183 Bay St N, approximately 20 m south of Zone E in the 1930s and 1940s (**APEC S13**). Contaminants of concern include PHCs, metals (including As, Sb and Se) and BTEX.

The City of Hamilton operated a garage at 177 Bay St N, approximately 20 m south of Zone E from ~1980-2004 as noted in city directories (**APEC S14**). Contaminants of concern include PHCs, metals (including As, Sb and Se), chromium VI and VOCs.

An auto service was located at 204-206 Bay St N, approximately 40 m east of Zone E in 2000 as noted in city directories (**APEC S16**). Contaminants of concern include PHCs, metals (including As, Sb and Se), chromium VI and VOCs.

Waxman & Sons (scrap metal) and Caroline Steel and Pipe Supply Ltd. were located at 2 Harriet St, approximately 50 m southwest of Zone E as noted in city directories (**APEC S18**). Contaminants of concern include VOCs, PHCs, PCBs, metals (including As, Sb and Se), chromium VI, and PAHs.

Sam's Auto Wrecking was located at 120-130, 131-139 Caroline St N and 17 Mill St, approximately 50 m southwest of Zone E as noted in city directories (**APEC S19**). Contaminants of concern include VOCs, PHCs, PCBs, metals (including As, Sb and Se), chromium VI, and PAHs.

Lax Morris Scrap Metals Ltd. was located at 37-43 Railway St, approximately 120 m south of Zone E as noted in city directories (**APEC S28**). Contaminants of concern include VOCs, PHCs, PCBs, metals (including As, Sb and Se), chromium VI, and PAHs.

Sam's Auto Wrecking was located at 129 Mulberry St, approximately 150 m south of Zone E as noted in city directories (**APEC S31**). Contaminants of concern include VOCs, PHCs, PCBs, metals (including As, Sb and Se), chromium VI, and PAHs.

7.4.5 Contaminant Migration

Given the potential role of utility service trenches as preferential conduits, overall regional ground water flow southwards to Lake Ontario, the known use of impacted fill, past uses of the Phase One Property and the remainder of the Phase One Study Area (a variety of industries including coal gasification plants), the potential exists for the Phase One Property to be impacted, which has been confirmed in Zones A and C.

As was inferred by reports produced by others (such as DCS), a DNAPL plume has been identified on Zone C, from chemicals associated with coal tar. The coal tar facilities were located south of Zone E, which makes the presence of a DNAPL on that property highly likely. Coal tar residues may also have been from the historic landfill in the vicinity of Zone E which may also be a contributing factor for contaminant production and migration through fill. The Cost Implications report produced by DCS (2010) noted contamination was expected to be present in a 5.0 m thick fill stratum overlying native soils at depths of 12-13 mbgs.

Ground water has been found to vary between 0.004 and 3.0 mbgs, which in areas is located with fill material (has been identified at 2.4 mbgs).

7.4.6 Uncertainty and Data Gaps

Due to the time having passed since the manufacturing facilities were in use, uncertainty exists with the specific manufacturing activities and chemical storage and handling at the Phase One Property. Available site plans and FIPs detail items of concern such as transformer rooms, storage tanks, some chemical storage and processing areas; however, no site contacts were available who possessed direct knowledge of manufacturing activities.

Records from the MOECC regarding 228 Hess St N, 239 Caroline St N, 128 Barton St W and 115-125 Barton St W have not yet been received.

Due to the long history of residential land use along Tiffany St (Zone D) and the south portion of Zone B (along Barton St W), residential fuel oil tanks were inferred to be located at the dwellings; however no information on the presence or location of the tanks was available. Demolition of the houses yielded no evidence of fuel oil tanks and the houses were using natural gas at the time of the demolition; however, there is a record of a carbon monoxide release from a heating oil tank on a residence on Barton St W.

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 Summary

Based on the Phase One ESA completed by Amec Foster Wheeler conducted on 20 and 21 September 2017, there is evidence of potentially contaminating activities related to the Phase One Study Area:

Zone A – 231 Stuart St/249 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC A1 Table 3 Exceedences of Arsenic and PAHs in Soil; and PHC F2, F3 and F4 in Ground Water	Central	Other – Confirmed Soil Exceedances	Zone A On-Site	As PAHs	Soil
		Other – Confirmed Ground Water Exceedances		PHCs	Ground Water
APEC A2 Resin Used in Sand Castings	Entire Site	2 – Adhesives and Resins Manufacturing, Processing and Bulk Storage	Zone A On-Site	VOCs CPs ABNs Dioxins/Furans, PCDDs/PCDFs (Furans)	Soil Ground Water
APEC A3 Former Asphalt Manufacturing Facility	Entire Site	5 - Asphalt and Bitumen Manufacturing	Zone A On-Site	PHCs PAHs Metals As, Sb, Se Cr (VI) BTEX	Soil Ground Water
APEC A4 Petroleum Product Storage: a) Inferred out of use AST b) Former Oil Drum Storage c) Two 1,138 L Fuel Oil Tanks	West Central Southeast	28 - Gasoline and Associated Products Storage in Fixed Tanks	Zone A On-Site	PHCs PAHs BTEX	Soil Ground Water
APEC A5 Various Stockpiles/Fill	East and West Portions	30 - Importation of Fill Material of Unknown Quality	Zone A On-Site	Metals As, Sb, Se Cr (VI) SAR EC PAHs PCBs PHCs BTEX	Soil Ground Water

Zone A – 231 Stuart St/249 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC A6 Historical Wire Cutting	Northeast	32 - Iron and Steel Manufacturing and Processing	Zone A On-Site	Metals As, Sb, Se Cr (VI) PHCs VOCs	Soil Ground Water
APEC A7 Spill of 50 Drums of Unknown Product Inferred Hazardous Material Storage	Central and North Portion	33 - Metal Treatment, Coating, Plating and Finishing	Zone A On-Site	Metals As, Sb, Se Cr (VI) CN- Hg PHCs VOCs PAHs PCBs	Soil Ground Water
APEC A8 Rail Siding	Western boundary	46 - Rail Yards, Tracks and Spurs	Zone A On-Site	PHCs Metals As, Sb, Se Cr (VI) BTEX CPs	Soil
APEC A9 Former Lumber Storage	Central Portion	59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Zone A On-Site	Metals As, Sb, Se Cr (VI) BTEX CPs ABNs	Soil Ground Water
APEC A10 Former Coal Yard and Crushing Facility	Entire Site Bulk Storage Noted at North, West and Southeast. Coal crusher at southeast.	Other – Bulk Coal and Coke Storage Coal Grinding, Mixing, Bagging	Zone A On-Site	PAHs PHCs BTEX	Soil Ground Water
APEC S7 Former Lumber Yard	South and Western Portions (Adjacent south and west of Zone A)	59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Off-Site	Metals As, Sb, Se Cr (VI) BTEX CPs ABNs	Soil Ground Water
APEC S8 Steel Co. of Canada, Hamilton Steel & Iron Co. Ltd., Hamilton Forging Co.	South and Western Portions (Adjacent south and west of Zone A, 238-242 Queen St N)	32 - Iron and Steel Manufacturing and Processing 18 - Electricity Generation,	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI)	Soil Ground Water

Zone A – 231 Stuart St/249 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
		Transformation and Power Stations		PAHs PCBs Dioxins/Furans, PCDDs/PCDFs	
APEC S9 Rail Yards and Historical Roundhouse and Adjacent Rail Siding	North and West Portions (~20 m north of Zone A with rail siding adjacent west)	46 - Rail Yards, Tracks and Spurs 52 - Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation system 59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PCBs PAHs ABNs CPs	Soil Ground Water
APEC S10 Burlington Bay Infilling	North Portion (~20 m west and north of Zone A)	30 - Importation of Fill Material of Unknown Quality	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PCBs PAHs ABNs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S21 Steel Company of Canada Limited and Other Metal Manufacturing Companies	South and Western Portions (~75 m west of Zone A, 243 Queen St N)	18 - Electricity Generation, Transformation and Power Stations 28 - Gasoline and Associated Products Storage in Fixed Tanks 32 - Iron and Steel Manufacturing and Processing	Off-Site	PHCs Metals As, Sb, Se Cr (VI) VOCs PAHs PCBs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S22 Swift Devices Ltd., Thomson-Gordon	South Portion (~100 m south of Zone A, 234-236 Queen St N)	34 - Metal Fabrication	Off-Site	PHCs Metals As, Sb, Se VOCs	Soil Ground Water
APEC S29 Steel Co. of Canada	South and Western Portions	32 - Iron and Steel Manufacturing and Processing	Off-Site	VOCs PHCs	Soil Ground Water

Zone A – 231 Stuart St/249 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
	(~125 m southwest of Zone A, 237 Queen St N)			Metals As, Sb, Se Cr (VI) PAHs Dioxins/Furans, PCDDs/PCDFs	

Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC B1 Trucking and Repairs Facility and Autobody Shop	Southwest Portion (228 Hess St N)	10 - Commercial Autobody Shops 11 - Commercial Trucking and Container Terminals 39 - Paints Manufacturing, Processing and Bulk Storage Other – Bulk Coal and Coke Storage	Zone B On-Site	PHCs VOCs Metals As, Sb, Se PAHs	Soil Ground Water
APEC B2 Vehicle Maintenance	Southeast Corner (162 Barton St W)	10 - Commercial Autobody Shops	Zone B On-Site	PHCs VOCs Metals As, Sb, Se	Soil Ground Water
APEC B3 Loth Auto Collision and Painting	Southwest Portion (182 Barton St W)	10 - Commercial Autobody Shops	Zone B On-Site	PHCs VOCs Metals As, Sb, Se	Soil Ground Water
APEC B4 Petroleum Product Storage and Retail Fuel Outlet	North - Next to Historical Office Oil House - Central South of Foundry (239 Caroline St N) Residential Fuel Oil (Along Barton St W) Southwest Corner (182, 184 and 198 Barton St W)	28 - Gasoline and Associated Products Storage in Fixed Tanks	Zone B On-Site	PHCs Metals (Lead) PAHs BTEX	Soil Ground Water

Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC B5 Rail Sidings	Northwest to east side Northeast corner Central portion (239 Caroline St N)	46 - Rail Yards, Tracks and Spurs	Zone B On-Site	PHCs Metals As, Sb, Se Cr (VI) BTEX CPs	Soil
APEC B6 Can Am Plastics NA Inc. and Junk Yard	Inferred Southeast Portion (259 Caroline St N)	43 - Plastics (including Fibreglass) Manufacturing and Processing 49 - Salvage Yard, including automobile wrecking	Zone B On-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) ABNs CPs PCBs PAHs	Soil Ground Water
APEC B7 Historical Foundries and Metal Recyclers	North, Central and Part of Southern Portion (239 Caroline St N)	30 - Importation of Fill Material of Unknown Quality 32 - Iron and Steel Manufacturing and Processing 34 - Metal Fabrication 49 - Salvage Yard, including automobile wrecking 55 - Transformer Manufacturing, Processing and Use Other - Tarring (Including Tar Tank and Piping) Other - Bulk Coal and Coke Storage Other – Hazardous Dust Confirmed by TCLP	Zone B On-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) EC SAR PCBs PAHs ABNs CPs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S1 Former Coal Tar Facility and Chemical Manufacturer	Southeast Portion (~180 m south of Zone B, Southeast corner of Sheaffe St and Caroline St N)	8 - Chemical Manufacturing, Processing and Bulk Storage 9 - Coal Gasification 28 - Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	Metals As, Sb, Se Cr (VI) VOCs PHCs ABNs CPs PAHs pH	Soil Ground Water

Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC S2 PAH and DNAPL Identified in Ground Water at 6.1 m Through Previous Assessments by Others	South and Eastern Portion (~20 m east of Zone B, 128 Barton St W)	Other – Confirmed Ground Water Contamination	Off-Site	PHCs PAHs VOCs CPs ABNs	Ground Water
APEC S8 Steel Co. of Canada, Hamilton Steel & Iron Co. Ltd., Hamilton Forging Co.	Western Portion (~20 m west of Zone B, 238-242 Queen St N)	32 - Iron and Steel Manufacturing and Processing 18 - Electricity Generation, Transformation and Power Stations	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PAHs PCBs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S9 Rail Yards and Historical Roundhouse	Northern Portion (~20 m north of Zone B)	46 - Rail Yards, Tracks and Spurs 52 - Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation system 59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PCBs PAHs ABNs CPs	Soil Ground Water
APEC S12 Ram Refined Alloys Ltd.	Southern Portion (~20 m south of Zone B, 167 Barton St W)	33 - Metal Treatment, Coating, Plating and Finishing	Off-Site	VOCs Metals As, Sb, Se Cr (VI) PHCs PAHs	Soil Ground Water
APEC S15 Binns Welding & Fabrication	Southwest Portion (~30 m southwest of Zone B, 221 Barton St W)	34 - Metal Fabrication	Off-Site	VOCs Metals As, Sb, Se Cr (VI) PHCs PAHs	Soil Ground Water
APEC S20	Southwest Portion	11 - Commercial Trucking and Container Terminals	Off-Site	PHCs Metals	Soil Ground Water

Zone B – 239 Caroline St N, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, 228 Hess St N					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
Risidore Brothers, Heavy Machinery Movers A. Cupido Haulage	(~60 m southwest of Zone B, 215 Hess St N)	28 - Gasoline and Associated Products Storage in Fixed Tanks		As, Sb, Se BTEX	
APEC S23 Cartage Companies	Southern Portion (~85 m south of Zone B, 15 Windsor St)	11 - Commercial Trucking and Container Terminals 28 - Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	PHCs Metals As, Sb, Se BTEX	Soil Ground Water
APEC S24 Sheet Metal Companies	Southwest Portion (~90 m southwest of Zone B, 206-208 Queen St N)	34 - Metal Fabrication	Off-Site	PHCs Metals As, Sb, Se VOCs	Soil Ground Water
APEC S25 Niagara Auto Body	Southwest Portion (~90 m southwest of Zone B, 206-208 Queen St N)	10 - Commercial Autobody Shops	Off-Site	PHCs Metals As, Sb, Se Cr (VI) VOCs	Soil Ground Water
APEC S26 Thomson-Gordon Ltd., Plant No. 2	Southwest Portion (~90 m southwest of Zone B, 208 Queen St N)	32 - Iron and Steel Manufacturing and Processing	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PAHs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S30 Thomson-Gordon Ltd. Rubber and Asbestos Packing	Southwest Portion (~140 m southwest of Zone B, 200 Hess St N)	28 - Gasoline and Associated Products Storage in Fixed Tanks 47 - Rubber Manufacturing and Processing	Off-Site	VOCs PHCs Metals As, Sb, Se	Soil Ground Water

Zone C – 128 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC C1 Table 3 Exceedences of PAHs, BTEX and PHC in Soil and	Southern Portion	Other – Confirmed Soil and Ground Water Exceedences	Zone C On-Site	PAHs PHCs BTEX Na	Soil Ground Water

Zone C – 128 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
PAHs, PHC, Benzene and Sodium in Ground Water					
APEC C2 Widespread Surficial Metals Exceedences	Entire Site	Other – Confirmed Surficial Soil Metals Contamination	Zone C On-Site	Metals As, Sb, Se Cr (VI)	Soil Ground Water
APEC C3 PAH and DNAPL Identified in Ground Water at 6.1 m Through Previous Assessments by Others	Southern Portion	9 - Coal Gasification Other – Confirmed Ground Water Contamination	Zone C On-Site	PHCs PAHs VOCs CPs ABNs	Ground Water
APEC C4 Former Foundry and Manufacturer	Former Facility	2 – Adhesives and Resins Manufacturing, Processing and Bulk Storage	Zone C On-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PCBs PAHs ABNs CPs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
	Unknown (Associated with Former Facility)	20 - Explosives and Ammunition Manufacturing, Production and Bulk Storage			
	Former Facility	26 - Foam and Expanded Foam Manufacturing and Processing			
	Oil House and Grease Room at North of Former Facility Possible Former Underground Storage Tank at Northwest	28 - Gasoline and Associated Products Storage in Fixed Tanks			
	Former Facility	29 - Glass Manufacturing			
	Entire Site	32 - Iron and Steel Manufacturing and Processing			
	Entire Site	33 - Metal Treatment, Coating, Plating and Finishing			
	Entire Site	34 - Metal Fabrication			
	North of Former Building	39 - Paints Manufacturing, Processing and Bulk Storage			

Zone C – 128 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC C5 Stockpiled Fill	Southern Portion Boundary along Tiffany St N and Barton St W	30 - Importation of Fill Material of Unknown Quality	Zone C On-Site	PHCs Metals As, Sb, Se Cr (VI) SAR EC PAHs PCBs VOCs	Soil Ground Water
APEC C6 Former Rail Sidings	North to Southeast Portions	46 - Rail Yards, Tracks and Spurs	Zone C On-Site	PHCs Metals As, Sb, Se Cr (VI) BTEX CPs	Soil
APEC C7 Historical Transformers	Southwest Corner Northeast of Former Facility	55 - Transformer Manufacturing, Processing and Use	Zone C On-Site	PCBs PHCs BTEX	Soil Ground Water
APEC C8 Bulk Coal Storage	Northeast	Other – Bulk Coal Storage	Zone C On-Site	PAHs PHCs BTEX	Soil Ground Water
APEC S3 Identified PCB and Metals Exceedences in Soil at Former Auto Wreckers	Northeast Portion (~20 m east of Zone C, 107 Stuart St, 279 Bay St N)	49 - Salvage Yard, including automobile wrecking	Off-Site	PCBs Metals As, Sb, Se Cr (VI)	Soil
APEC S6 Auto Wreckers	Northeast Portion (~20 m east of Zone C, 265-279 Bay N)	49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water
APEC S9 Rail Yards and Historical Roundhouse	Northern Portion (~20 m North of Phase One Property)	46 - Rail Yards, Tracks and Spurs 52 - Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation system	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI) PCBs PAHs ABNs	Soil Ground Water

Zone C – 128 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
		59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products		CPs	
APEC S27 Hamilton Gaslight Company / United Gas & Fuel Co. of Hamilton Ltd.	South Portion (~240 m southeast of Zone C, 114 Bay St N, 141-147 Park St N, 69-99 Mulberry St and 100 Mulberry St)	9 - Coal Gasification	Off-Site	Metals As, Sb, Se VOCs PHCs CPs ABNs PAHs pH	Soil Ground Water

Zone D – 4, 10, 16, 22, 26, 28, 30 and 32 Tiffany St, 112 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC D1 Varga's Garage	Southeast Corner (112 Barton St W)	10 - Commercial Autobody Shops	Zone D On-Site	PHCs VOCs Metals As, Sb, Se Cr (VI)	Soil Ground Water
APEC D2 68 m^3 Stockpile	North Portion (30 Tiffany St)	30 - Importation of Fill Material of Unknown Quality	Zone D On-Site	PHCs Metals As, Sb, Se BTEX	Soil
APEC D3 Former Fuel Oil Tanks	Uncertain (Associated with Residential Dwellings)	28 - Gasoline and Associated Products Storage in Fixed Tanks	Zone D On-Site	PHCs PAHs BTEX	Soil Ground Water
APEC S1 Former Coal Tar Facility and Chemical Manufacturer	Central and South Portion (~180 m south of Zone D, southeast corner of Sheaffe St and Caroline St N)	8 - Chemical Manufacturing, Processing and Bulk Storage 9 - Coal Gasification 28 - Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	Metals As, Sb, Se Cr (VI) VOCs PHCs ABNs CPs PAHs pH	Soil Ground Water

Zone D – 4, 10, 16, 22, 26, 28, 30 and 32 Tiffany St, 112 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC S2 PAH and DNAPL Identified in Ground Water at 6.1 m Through Previous Assessments by Others	Central and South Portion (~20 m west of Zone D, 128 Barton St W)	Other - Confirmed Ground Water Contamination	Off-Site	PHCs PAHs VOCs CPs ABNs	Ground Water
APEC S3 Identified PCB and Metals Exceedences in Soil at Former Auto Wreckers	North and East Portion (Adjacent north and east of Zone D, 107 Stuart St, 279 Bay St N)	49 - Salvage Yard, including automobile wrecking	Off-Site	PCBs Metals As, Sb, Se Cr (VI)	Soil
APEC S4 Bridge and Tank Co. of Canada/Hamilton Bridge Co. Ltd.	South Portion (~20 m southeast of Zone D, 231 Bay St N)	32 - Iron and Steel Manufacturing and Processing	Off-Site	PHCs VOCs Metals As, Sb, Se Cr (VI) PAHs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC S5 Kurey's Garage	South Portion (Adjacent south of 4 Tiffany St, adjacent west of 112 Barton St W, 2 Tiffany St)	10 - Commercial Autobody Shops 28 - Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	PHCs VOCs Metals As, Sb, Se Cr (VI)	Soil Ground Water
APEC S6 Auto Wreckers	North and East Portions (Adjacent north and east of Zone D, 265-279 Bay N)	49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water
APEC S17 Patco Chemicals	Northeast Portion (~50 m northeast of Zone D, 281 Bay St N)	8 - Chemical Manufacturing, Processing and Bulk Storage	Off-Site	VOCs PHCs Metals As, Sb, Se Hg Cr (VI) pH CN- PCBs ABNs CPs	Soil Ground Water
APEC S27	Southern Portion	9 - Coal Gasification	Off-Site	Metals	Soil

Zone D – 4, 10, 16, 22, 26, 28, 30 and 32 Tiffany St, 112 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
Hamilton Gaslight Company / United Gas & Fuel Co. of Hamilton Ltd.	(~225 m south of Zone D, 114 Bay St N, 141-147 Park St N, 69-99 Mulberry St and 100 Mulberry St)			VOCs PHCs CPs ABNs PAHs pH	Ground Water

Zone E – 115-125 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
APEC E1 DNAPL Identified in Ground Water Adjacent North Through Previous Assessments by Others	Entire Property	Other - Confirmed Ground Water Contamination	Zone E On-Site	PHCs PAHs VOCs CPs ABNs	Ground Water
APEC E2 Vehicle Repair and Maintenance	North Building, Machine Shop at Northeast (Central Services) South Building (Carpenters Shop)	10 - Commercial Autobody Shops	Zone E On-Site	PHCs VOCs Metals As, Sb, Se Cr (VI)	Soil Ground Water
APEC E3 Petroleum Product Storage	Underground Storage Tanks Between Two Main Buildings Current Underground Storage Tanks at Northwest Gasoline Storage at Southwest	28 - Gasoline and Associated Products Storage in Fixed Tanks	Zone E On-Site	PHCs Metals (Lead) BTEX	Soil Ground Water
APEC E4 Former Bridge Manufacturing Facility	Entire Site	32 - Iron and Steel Manufacturing and Processing 34 - Metal Fabrication	Zone E On-Site	PHCs VOCs Metals As, Sb, Se Cr (VI) PAHs Dioxins/Furans, PCDDs/PCDFs	Soil Ground Water
APEC E5 Paint Storage	South of Main Facility	39 - Paints Manufacturing,	Zone E On-Site	VOCs	Soil Ground Water

Zone E – 115-125 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
	Southwest Corner	Processing and Bulk Storage			
APEC E6 Rail Sidings	Northwest and West Side	46 - Rail Yards, Tracks and Spurs	Zone E On-Site	PHCs Metals As, Sb, Se Cr (VI) BTEX CPs	Soil
APEC E7 Historical Transformer Buildings and Transformer	Northwest Corner Western Portion of Main Facility	55 – Transformer Manufacturing, Processing and use	Zone E On-Site	PHCs PCBs BTEX	Soil Ground Water
APEC E8 PCB Storage Site and Transfer Station	Northwest Corner of South Building (Carpenter's Shop)	58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Zone E On-Site	PCBs	Soil Ground Water
APEC E9 Bulk Lumber Storage	South of Main Building	59 - Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products	Zone E On-Site	Metals As, Sb, Se Cr (VI) BTEX CPs ABNs	Soil Ground Water
APEC E10 Coal Storage	Northwest Portion	Other – Bulk Coal Storage	Zone E On-Site	PAHs PHCs BTEX	Soil Ground Water
APEC S1 Former Coal Tar Facility and Chemical Manufacturer	Entire Site (~20 m south of Zone E, southeast corner of Sheaffe St and Caroline St N)	8 - Chemical Manufacturing, Processing and Bulk Storage 9 - Coal Gasification 28 - Gasoline and Associated Products Storage in Fixed Tanks	Off-Site	Metals As, Sb, Se Cr (VI) VOCs PHCs ABNs CPs PAHs pH	Soil Ground Water
APEC S2 PAH and DNAPL Identified in Ground Water at 6.1 m	Entire Site (~20 m north of Zone E, 128 Barton St W)	9 - Coal Gasification	Off-Site	PHCs PAHs VOCs CPs	Ground Water

Zone E – 115-125 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
Through Previous Assessments by Others				ABNs	
APEC S4 Bridge and Tank Co. of Canada/Hamilton Bridge Co. Ltd.	Northeast Portion (Adjacent east of Zone E, 231 Bay St N)	32 - Iron and Steel Manufacturing and Processing	Off-Site	PHCs VOCs Metals As, Sb, Se PAHs	Soil Ground Water
APEC S11 Historical Landfill	Entire Site (South of Zone E)	58 - Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Off-Site	VOCs PHCs Metals As, Sb, Se Hg CN- B-HWS Cr (VI) SAR EC pH PCBs ABNs CPs PAHs 1,4-Dioxane	Soil Ground Water
APEC S13 Cartage Companies	Southern Portion (~20 south of Zone E, 171-183 Bay St N)	11 - Commercial Trucking and Container Terminals	Off-Site	PHCs Metals As, Sb, Se BTEX	Soil Ground Water
APEC S14 City of Hamilton Central Garage	Southern Portion (~20 south of Zone E, 177 Bay St N)	10 - Commercial Autobody Shops	Off-Site	VOCs PHCs Metals As, Sb, Se Cr (VI)	Soil Ground Water
APEC S16 Auto Service	East Portion (~40 m east of Zone E, 204-206 Bay St N)	10 - Commercial Autobody Shops	Off-Site	PHCs Metals As, Sb, Se Cr (VI) VOCs	Soil Ground Water
APEC S18 Waxman & Sons, scrap metal, Caroline Steel and Pipe Supply Ltd.	Southwest Portion (~50 m southwest of Zone E, 2 Harriet St)	34 - Metal Fabrication 49 - Salvage Yard, including	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se	Soil Ground Water

Zone E – 115-125 Barton St W					
Area of Potential Environmental Concern	**Location of APEC on Phase One Property**	**Potentially Contaminating Activity***	**Location of PCA**	**Contaminants of Potential Concern**	**Media Potentially Impacted**
		automobile wrecking		Cr (VI) PAHs	
APEC S19 Sam's Auto Wrecking	Southwest Portion (At least 50 m southwest of Zone E, 120-130, 131-139 Caroline St N, 17 Mill St)	49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water
APEC S27 Hamilton Gaslight Company / United Gas & Fuel Co. of Hamilton Ltd.	Entire Site (At least 110 m south/southeast of Zone E, 114 Bay St N, 141-147 Park St N, 69-99 Mulberry St and 100 Mulberry St)	9 - Coal Gasification	Off-Site	Metals VOCs PHCs CPs ABNs PAHs pH	Soil Ground Water
APEC S28 Lax Morris Scrap Metals Ltd.	Southern Portion (~120 m south of Zone E, 37-43 Railway St)	49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water
APEC S31 Sam's Auto Wrecking	Southern Portion (~150 m south of Zone E, 129 Mulberry St)	49 - Salvage Yard, including automobile wrecking	Off-Site	VOCs PHCs PCBs Metals As, Sb, Se Cr (VI) PAHs	Soil Ground Water

*Potentially Contaminating Activity (PCA) described specifically for the Phase One Property with reference to the applicable item number in the Table of Potentially Contaminating Activities provided in Schedule D of *O.Reg. 153/04* as amended, where applicable.

ABNs – Acid/Base/Neutral Compounds
PHCs – Petroleum Hydrocarbons
PCBs – Polychlorinated Biphenyls
PAHs - Polycyclic Aromatic Hydrocarbons
VOCs – Volatile Organic Compounds (includes BTEX –Benzene, Toluene, Ethylbenzene and Xylenes)
CN^- - Cyanide
Cr (VI) – Chromium VI
Hg – Mercury
As, Sb, Se – Arsenic, Antimony, Selenium (Hydride-Forming Metals)

EC – Electrical Conductivity
SAR – Sodium Adsorption Ratio
CPs – Chlorophenols
Na – Sodium
B-HWS – Hot Water Soluble Boron

8.2 Whether Phase Two Environmental Site Assessment Required Before Record of Site Condition Submitted

A Phase Two ESA would be required at this Phase One Property in the event that a Record of Site Condition were required based on the previous identification of soil and ground water exceedences, including dense non-aqueous phase liquid (DNAPL), and the extensive history of the Phase One Property and surrounding areas as industrial land use. Contaminants known to be found on the Phase One Property include one or more of metals, petroleum parameters and PAHs.

8.3 Potential Operational/Management Issues

In addition, to address potential operational / management issues, Amec Foster Wheeler offers the following recommendations:

- A Designated Substances Survey (DSS) is required if future repair, renovation or demolition activities are planned which could affect building materials at 115125 Barton St W. A DSS is required to fulfil the Owner's requirements under Section 30 of the *Ontario Occupational Health and Safety Act*, (the OHSA), Revised Statutes of Ontario 1990, (as amended). The building owner must provide the DSS provide the DSS report to all contractors working on the Property. Subsequently, all contractors must furnish the DSS report to their subcontractors;
- Under *Ontario Regulation 903*, any well that is not being used or maintained for future use as a well must be abandoned in accordance with the procedures set forth in the Regulation (2). This Regulation also applies to monitoring and test wells such as those routinely installed for environmental and/or geotechnical testing purposes.

8.4 Closure

Under the supervision of Jeff Carson, P.Eng., QP, Tracey Schranz, B.E.S and Kate Slaman, B.Sc. of Amec Foster Wheeler conducted the Site reconnaissance. Any practice of geoscience documented within this report was undertaken by or under the supervision of a Professional Engineer or Professional Geoscientist licensed in the Province of Ontario. The Qualifications of the Assessors are provided in Appendix H.

This report was prepared for the exclusive use of the City of Hamilton, and is intended to provide a Phase One Environmental Site Assessment (ESA) of the Barton-Tiffany Redevelopment Plan in Hamilton, Ontario at the time of the Phase One Property visit. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of the third party. Should additional parties require reliance on this report, written authorization from Amec Foster Wheeler will be required. With respect to third parties, Amec Foster Wheeler has no liability or responsibility for losses of any kind whatsoever, including direct or consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The report is based on data and information collected during the Phase One ESA of the property conducted by Amec Foster Wheeler. It is based solely on the conditions of the Site encountered at the time of the Site visit on 20 and 21 September 2017 supplemented by a review of historical information and data obtained by Amec Foster Wheeler as described in this report, and discussion with a representative of the owner/occupant, as reported herein. Except as otherwise maybe specified, Amec Foster Wheeler disclaims any obligation to update this report for events taking place, or with respect to information that becomes available to Amec Foster Wheeler after the time during which Amec Foster Wheeler conducted the Phase One ESA.

In evaluating the property, Amec Foster Wheeler has relied in good faith on information provided by other individuals noted in this report. Amec Foster Wheeler has assumed that the information provided is factual and accurate. In addition, the findings in this report are based, to a large degree, upon information provided by the current owner/occupant. Amec Foster Wheeler accepts no responsibility for any deficiency, misstatement or inaccuracy contained in this report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted.

Amec Foster Wheeler makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to interpretation and change. Such interpretations and regulatory changes should be reviewed with legal counsel.

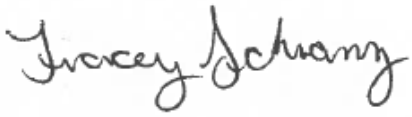
This Report is also subject to the further Standard Limitations contained in Appendix I.

If you have any questions or require further information, please contact the undersigned.

Amec Foster Wheeler Environment & Infrastructure,
a Division of Amec Foster Wheeler Americas Limited

Prepared by:

Kate Slaman, B.Sc.
Environmental Scientist



Tracey Schranz, B.E.S.
Environmental Site Assessor

Reviewed by:

Jeff Carson, P.Eng.
Associate Environmental Engineer

9.0 REFERENCES

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FIGURES

LEGEND:

PHASE ONE PROPERTY

PHASE ONE STUDY AREA

DRAWING BASED ON GOOGLE EARTH IMAGE, DATED 04/13/2017.

0 50 150 250m

SCALE 1:5,000

CLIENT: CITY OF HAMILTON

Amec Foster Wheeler
Environment & Infrastructure
3450 Harvester Road, Suite 100
Burlingon, Ontario L7N 3W5

amec foster wheeler

DWN BY:	ZF
CHK'D BY:	TS
DATUM:	NAD 83
PROJECTION:	UTM ZONE 17T
SCALE:	AS SHOWN

PROJECT: PHASE I ENVIRONMENTAL SITE ASSESSMENT

TITLE: PROPERTY PLAN
112, 115-125, 128, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182, AND 198 BARTON STREET WEST, 4, 10, 16, 22, 26, 28, 30, AND 32 TIFFANY STREET, 239 CAROLINE STREET NORTH, AND 228 HESS STREET NORTH, HAMILTON, ONTARIO

DATE:	JANUARY 2018
PROJECT NO:	TB171019
REV. NO.:	A
FIGURE No.	1

R:\2017\Projects_Other\TB171019_City of Hamilton\TB171019.dwg – Figure 1 – Feb. 08, 2018 3:59pm – zhanna.furman

LEGEND:

PHASE ONE PROPERTY

REFERENCE:
BASE MAP COURTESY GOOGLE EARTH.

0 25 50 75 100m

SCALE 1:2,000

CLIENT:
CITY OF HAMILTON

Amec Foster Wheeler
Environment & Infrastructure
3450 Harvester Road, Suite 100
Burlington, Ontario L7N 3W5

amec foster wheeler

DWN BY:	ZF
CHK'D BY:	TS
DATUM:	NAD 83
PROJECTION:	UTM ZONE 17T
SCALE:	AS SHOWN

PROJECT: PHASE I ENVIRONMENTAL SITE ASSESSMENT

TITLE: SITE PLAN
112, 115-125, 128, 162, 166, 168, 170, 172, 174, 176, 178, 180, 182, AND 198 BARTON STREET WEST, 4, 10, 16, 22, 26, 28, 30, AND 32 TIFFANY STREET, 239 CAROLINE STREET NORTH, AND 228 HESS STREET NORTH, HAMILTON, ONTARIO

DATE:	JANUARY 2018
PROJECT NO:	TB171019
REV. NO.:	A
FIGURE No.	2

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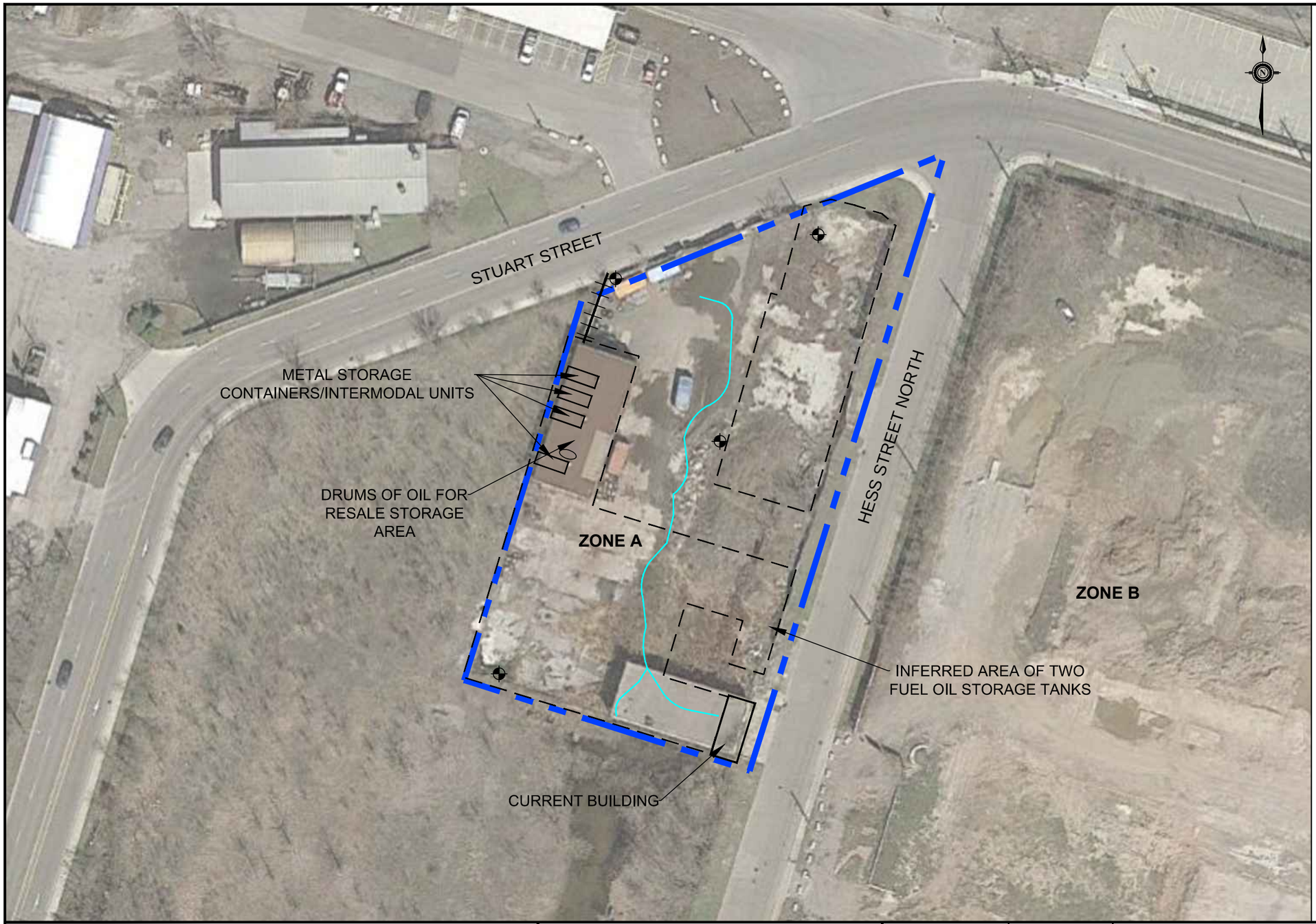

LEGEND:

- PHASE ONE PROPERTY BOUNDARY
- ABOVEGROUND STORAGE TANK
- MONITORING WELL
- FORMER BUILDING OUTLINE
- STORM DRAINAGE
- RAIL LINE

REFERENCE:
BASE MAP COURTESY GOOGLE EARTH.

0 7.5 15 30 45m

SCALE 1:750

CLIENT:
CITY OF HAMILTON

Amec Foster Wheeler
Environment & Infrastructure
3450 Harvester Road, Suite 100
Burlington, Ontario L7N 3W5

amec foster wheeler

DWN BY:	ZF
CHK'D BY:	TS
DATUM:	NAD 83
PROJECTION:	UTM ZONE 17T
SCALE:	AS SHOWN

PROJECT: PHASE I ENVIRONMENTAL SITE ASSESSMENT

TITLE: ZONE A PROPERTY LAYOUT PLAN
231 STUART STREET / 249 HESS STREET NORTH,
HAMILTON, ONTARIO

DATE:	JANUARY 2018
PROJECT NO:	TB171019
REV. NO.:	A
FIGURE No.	3A

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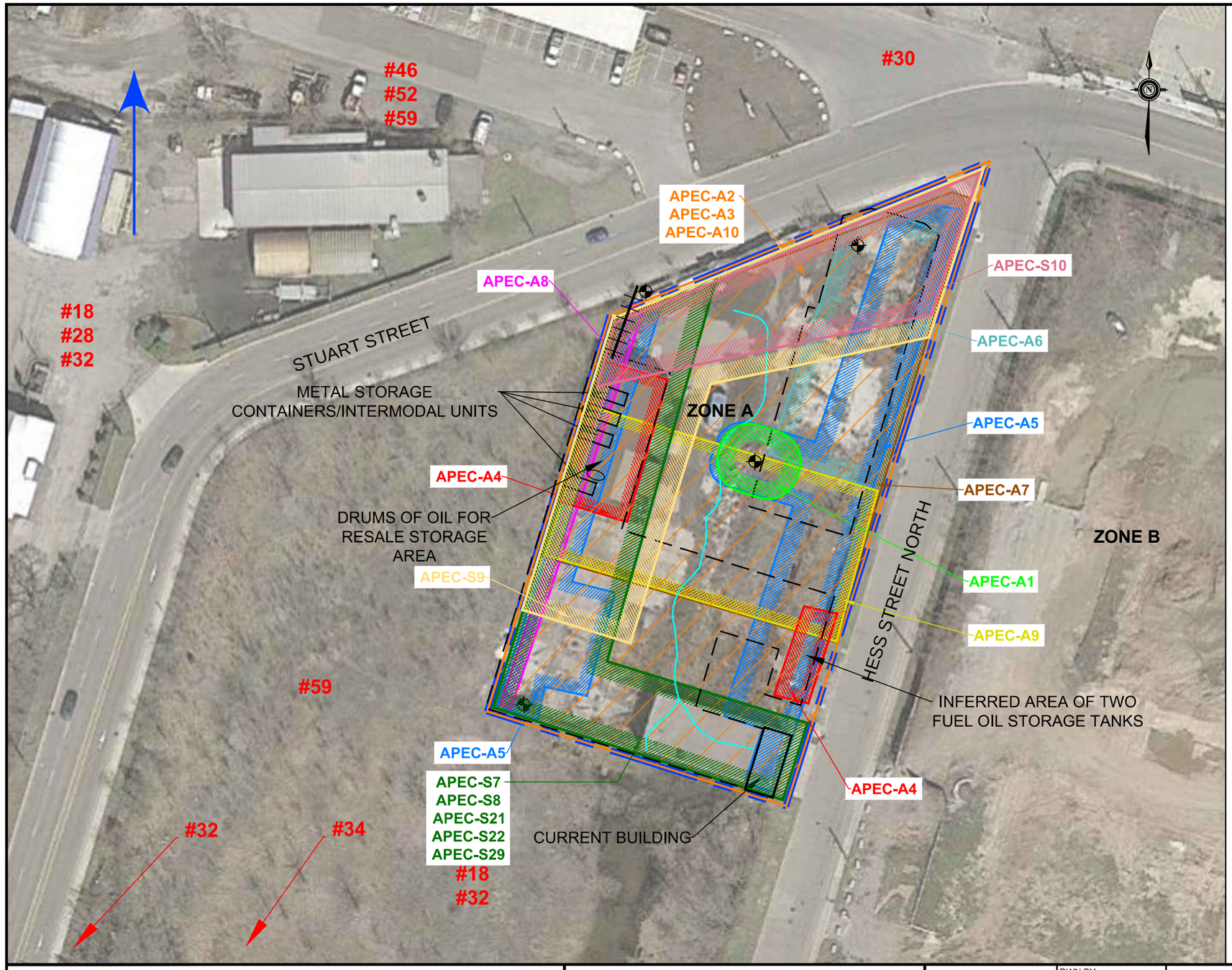

LEGEND:

- PHASE ONE PROPERTY BOUNDARY
- ABOVEGROUND STORAGE TANK
- MONITORING WELL
- FORMER BUILDING OUTLINE
- STORM DRAINAGE
- RAIL LINE
- AREA OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)
- #30 POTENTIALLY CONTAMINATING ACTIVITY (PCA)
- INFERRED GROUND WATER FLOW DIRECTION

#	POTENTIALLY CONTAMINATING ACTIVITY (PCA)	CONTAMINANT OF POTENTIAL CONCERN
APEC-A1	OTHER – CONFIRMED SOIL EXCEEDANCES	As, PAHs
	OTHER – CONFIRMED GROUND WATER EXCEEDANCES	PHCs
APEC-A2	2 – ADHESIVES AND RESINS MANUFACTURING, PROCESSING AND BULK STORAGE	VOCs, CPs, ABNs, Dioxins/ Furans, PCDDs/ PCDFs (Furans)
APEC-A3	5 - ASPHALT AND BITUMEN MANUFACTURING	PHCs, PAHs, Metals, As, Sb, Se, Cr (VI), BTEX
APEC-A4	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	PHCs, PAHs, BTEX
APEC-A5	30 - IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY	Metals, As, Sb, Se, Cr (VI), SAR, EC, PAHs, PCBs, PHCs, BTEX
APEC-A6	32 - IRON AND STEEL MANUFACTURING AND PROCESSING	Metals, As, Sb, Se, Cr (VI), PHCs, VOCs
APEC-A7	33 - METAL TREATMENT, COATING, PLATING AND FINISHING	Metals, As, Sb, Se, Cr (VI), CN-, Hg, PHCs, VOCs, PAHs, PCBs
APEC-A8	46 - RAIL YARDS, TRACKS AND SPURS	PHCs, Metals, As, Sb, Se, Cr (VI), BTEX, CPs
APEC-A9	59 - WOOD TREATING AND PRESERVATIVE FACILITY AND BULK STORAGE OF TREATED AND PRESERVED WOOD PRODUCTS	Metals, As, Sb, Se, Cr (VI), BTEX, CPs, ABNs
APEC-A10	OTHER – BULK COAL AND COKE STORAGE COAL GRINDING, MIXING, BAGGING	PAHs, PHCs, BTEX
APEC-S7	59 - WOOD TREATING AND PRESERVATIVE FACILITY AND BULK STORAGE OF TREATED AND PRESERVED WOOD PRODUCTS	Metals, As, Sb, Se, Cr (VI), BTEX, CPs, ABNs
APEC-S8	32 - IRON AND STEEL MANUFACTURING AND PROCESSING	VOCs, PHCs, Metals, As, Sb, Se, Cr (VI), PAHs, PCBs, Dioxins/Furans, PCDDs/ PCDFs
	18 - ELECTRICITY GENERATION, TRANSFORMATION AND POWER STATIONS	
APEC-S9	46 - RAIL YARDS, TRACKS AND SPURS	VOCs, PHCs, Metals, As, Sb, Se, Cr (VI), PCBs, PAHs, ABNs, CPs
	52 - STORAGE, MAINTENANCE, FUELLING AND REPAIR OF EQUIPMENT, VEHICLES, AND MATERIAL USED TO MAINTAIN TRANSPORTATION SYSTEM	
	59 - WOOD TREATING AND PRESERVATIVE FACILITY AND BULK STORAGE OF TREATED AND PRESERVED WOOD PRODUCTS	
APEC-S10	30 - IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY	VOCs, PHCs, Metals, As, Sb, Se, Cr (VI), PCBs, PAHs, ABNs, Dioxins/Furans, PCDDs/PCDFs
APEC-S21	18 - ELECTRICITY GENERATION, TRANSFORMATION AND POWER STATIONS	PHCs, Metals, As, Sb, Se, Cr (VI), VOCs, PAHs, PCBs, Dioxins/Furans, PCDDs/ PCDFs
	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	
	32 - IRON AND STEEL MANUFACTURING AND PROCESSING	
APEC-S22	34 - METAL FABRICATION	PHCs, Metals, As, Sb, Se, VOCs
APEC-S29	32 - IRON AND STEEL MANUFACTURING AND PROCESSING	VOCs, PHCs, Metals, As, Sb, Se, Cr (VI), PAHs, Dioxins/ Furans, PCDDs/ PCDFs

REFERENCE:
BASE MAP COURTESY GOOGLE EARTH.

0 7.5 15 30 45m

SCALE 1:750

CLIENT:
CITY OF HAMILTON

Amec Foster Wheeler
Environment & Infrastructure
3450 Harvester Road, Suite 100
Burlington, Ontario L7N 3W5

amec foster wheeler

DWN BY: ZF
CHK'D BY: TS
DATUM: NAD 83
PROJECTION: UTM ZONE 17T
SCALE: AS SHOWN

PROJECT
PHASE I ENVIRONMENTAL SITE ASSESSMENT

TITLE
CONCEPTUAL SITE MODEL - AREAS OF POTENTIAL ENVIRONMENTAL CONCERN
231 STUART STREET / 249 HESS STREET NORTH, HAMILTON, ONTARIO

DATE: JANUARY 2018
PROJECT NO: TB171019
REV. NO.: A
FIGURE No. 4A

R:\2017\Projects_Other\TB171019_City of Hamilton\TB171019.dwg – Figure 4_A – Feb. 23, 2018 10:53am – zhanna.furman

LEGEND:

- PHASE ONE PROPERTY BOUNDARY
- RAIL LINE
- FORMER BUILDING OUTLINE

REFERENCE:
BASE MAP COURTESY GOOGLE EARTH.

0 10 30 60m

SCALE 1:1,250

CLIENT:
CITY OF HAMILTON

Amec Foster Wheeler
Environment & Infrastructure
3450 Harvester Road, Suite 100
Burlingon, Ontario L7N 3W5

DWN BY:	ZF
CHK'D BY:	TS
DATUM:	NAD 83
PROJECTION:	UTM ZONE 17T
SCALE:	AS SHOWN

PROJECT: PHASE I ENVIRONMENTAL SITE ASSESSMENT

TITLE: ZONE B PROPERTY LAYOUT PLAN
162, 166, 168, 170, 172, 174, 176, 178, 180, 182 AND 198 BARTON STREET WEST, 239 CAROLINE STREET NORTH, AND 228 HESS STREET NORTH, HAMILTON, ONTARIO

DATE:	JANUARY 2018
PROJECT NO:	TB171019
REV. NO.:	A
FIGURE No.	3B

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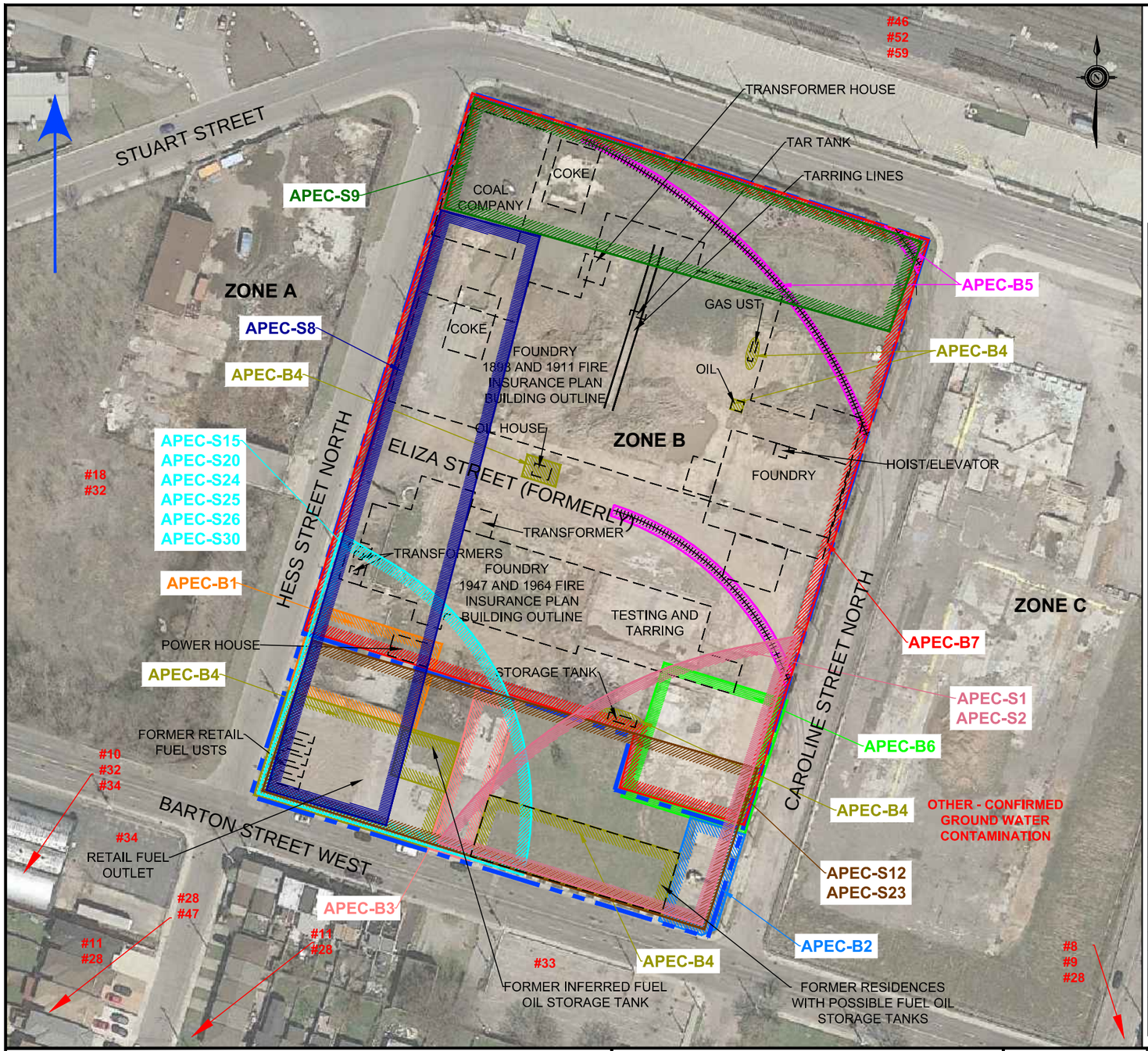

LEGEND:

- PHASE ONE PROPERTY BOUNDARY
- RAIL LINE
- FORMER BUILDING OUTLINE
- AREA OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)
- #30 POTENTIALLY CONTAMINATING ACTIVITY (PCA)
- INFERRED GROUND WATER FLOW DIRECTION

#	POTENTIALLY CONTAMINATING ACTIVITY (PCA)	CONTAMINANT OF POTENTIAL CONCERN
APEC-B1	10 - COMMERCIAL AUTOBODY SHOPS	PHCs, VOCs, Metals, As, Sb, Se, PAHs
	11 - COMMERCIAL TRUCKING AND CONTAINER TERMINALS	
	39 - PAINTS MANUFACTURING, PROCESSING AND BULK STORAGE	
	OTHER – BULK COAL AND COKE STORAGE	
APEC-B2	10 - COMMERCIAL AUTOBODY SHOPS	PHCs, VOCs, Metals, As, Sb, Se
APEC-B3	10 - COMMERCIAL AUTOBODY SHOPS	PHCs, VOCs, Metals, As, Sb, Se
APEC-B4	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	PHCs, Metals (Lead), PAHs, BTEX
APEC-B5	46 - RAIL YARDS, TRACKS AND SPURS	PHCs, Metals, As, Sb, Se, Cr (VI), BTEX, CPs
APEC-B6	43 - PLASTICS (INCLUDING FIBREGLASS) MANUFACTURING AND PROCESSING	VOCs, PHCs, Metals, As, Sb, Se, Cr (VI), ABNs, CPs, PCBs, PAHs
	49 - SALVAGE YARD, INCLUDING AUTOMOBILE WRECKING	
APEC-B7	30 - IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY	VOCs,PHCs, Metals, As, Sb, Se, Cr (VI), EC, SAR, PCBs, PAHs, ABNs, CPs, Dioxins/Furans, PCDDs/PCDFs
	32 - IRON AND STEEL MANUFACTURING AND PROCESSING	
	34 - METAL FABRICATION	
	49 - SALVAGE YARD, INCLUDING AUTOMOBILE WRECKING	
	55 - TRANSFORMER MANUFACTURING, PROCESSING AND USE	
	OTHER - TARRING (INCLUDING TAR TANK AND PIPING)	
	OTHER - BULK COAL AND COKE STORAGE	
	OTHER – HAZARDOUS DUST CONFIRMED BY TCLP	
APEC S1	8 - CHEMICAL MANUFACTURING, PROCESSING AND BULK STORAGE	Metals, As, Sb, Se, Cr (VI), VOCs, PHCs, ABNs, CPs, PAHs, pH
	9 - COAL GASIFICATION	
	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	
APEC S2	OTHER – CONFIRMED GROUND WATER CONTAMINATION	PHCs, PAHs, VOCs, CPs, ABNs
APEC S8	32 - IRON AND STEEL MANUFACTURING AND PROCESSING	VOCs, PHCs, Metals, As, Sb, Se, Cr (VI), PAHs, PCBs, Dioxins/Furans, PCDDs/PCDFs
	18 - ELECTRICITY GENERATION, TRANSFORMATION AND POWER STATIONS	
APEC S9	46 - RAIL YARDS, TRACKS AND SPURS	VOCs, PHCs, Metals, As, Sb, Se, Cr (VI), PCBs, PAHs, ABNs, CPs
	52 - STORAGE, MAINTENANCE, FUELLING AND REPAIR OF EQUIPMENT, VEHICLES, AND MATERIAL USED TO MAINTAIN TRANSPORTATION SYSTEM	
	59 - WOOD TREATING AND PRESERVATIVE FACILITY AND BULK STORAGE OF TREATED AND PRESERVED WOOD PRODUCTS	
APEC S12	33 - METAL TREATMENT, COATING, PLATING AND FINISHING	VOCs, Metals, As, Sb, Se, Cr (VI), PHCs, PAHs
APEC S15	34 - METAL FABRICATION	VOCs, Metals, As, Sb, Se, Cr (VI), PHCs, PAHs
APEC S20	11 - COMMERCIAL TRUCKING AND CONTAINER TERMINALS	PHCs, Metals, As, Sb, Se, BTEX
	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	
APEC S23	11 - COMMERCIAL TRUCKING AND CONTAINER TERMINALS	PHCs, Metals, As, Sb, Se, BTEX
	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	
APEC S24	34 - METAL FABRICATION	PHCs, Metals, As, Sb, Se, VOCs
APEC S25	10 - COMMERCIAL AUTOBODY SHOPS	PHCs, Metals, As, Sb, Se, Cr (VI), VOCs
APEC S26	32 - IRON AND STEEL MANUFACTURING AND PROCESSING	VOCs, PHCs, Metals, As, Sb, Se, Cr (VI), PAHs, Dioxins/Furans, PCDDs/PCDFs
APEC S30	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	VOCs, PHCs, Metals, As, Sb, Se
	47 - RUBBER MANUFACTURING AND PROCESSING	

REFERENCE:
BASE MAP COURTESY GOOGLE EARTH.

0 10 30 60m
SCALE 1:1,250

CLIENT:
CITY OF HAMILTON

Amec Foster Wheeler
Environment & Infrastructure
3450 Harvester Road, Suite 100
Burlington, Ontario L7N 3W5

amec foster wheeler

DWN BY: ZF
CHK'D BY: TS
DATUM: NAD 83
PROJECTION: UTM ZONE 17T
SCALE: AS SHOWN

PROJECT: PHASE I ENVIRONMENTAL SITE ASSESSMENT

TITLE: CONCEPTUAL SITE MODEL - AREAS OF POTENTIAL ENVIRONMENTAL CONCERN
162, 166, 168, 170, 172, 174, 176, 178, 180, 182 AND 198 BARTON STREET WEST, 239 CAROLINE STREET NORTH, AND 228 HESS STREET NORTH, HAMILTON, ONTARIO

DATE: JANUARY 2018
PROJECT NO: TB171019
REV. NO.: A
FIGURE No. 4B

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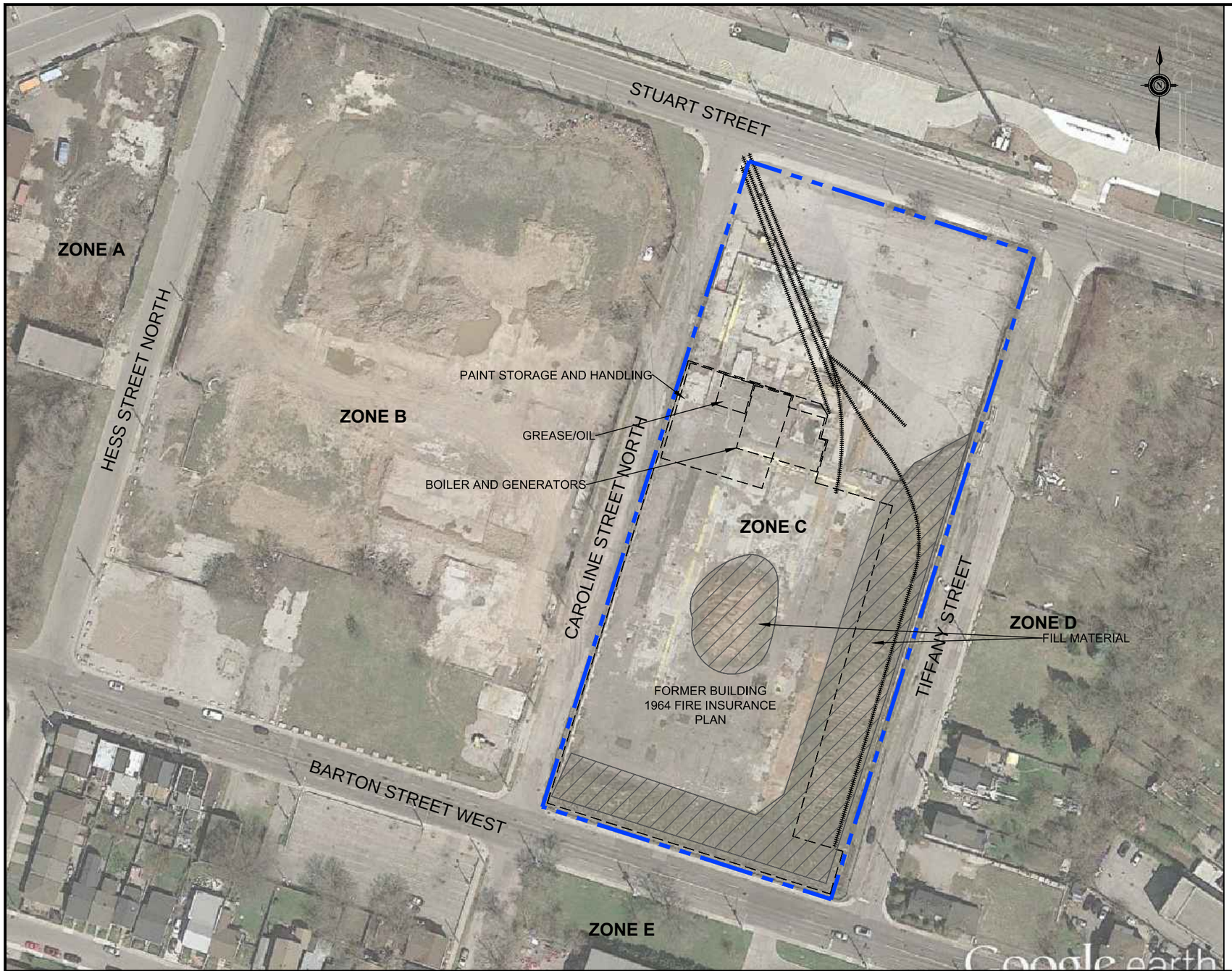


LEGEND:

- PHASE ONE PROPERTY BOUNDARY
- RAIL LINE
- FORMER BUILDING OUTLINE

REFERENCE:
BASE MAP COURTESY GOOGLE EARTH.

0 10 30 60m
SCALE 1:1,250

CLIENT:
CITY OF HAMILTON

Amec Foster Wheeler
Environment & Infrastructure
3450 Harvester Road, Suite 100
Burlington, Ontario L7N 3W5

amec foster wheeler

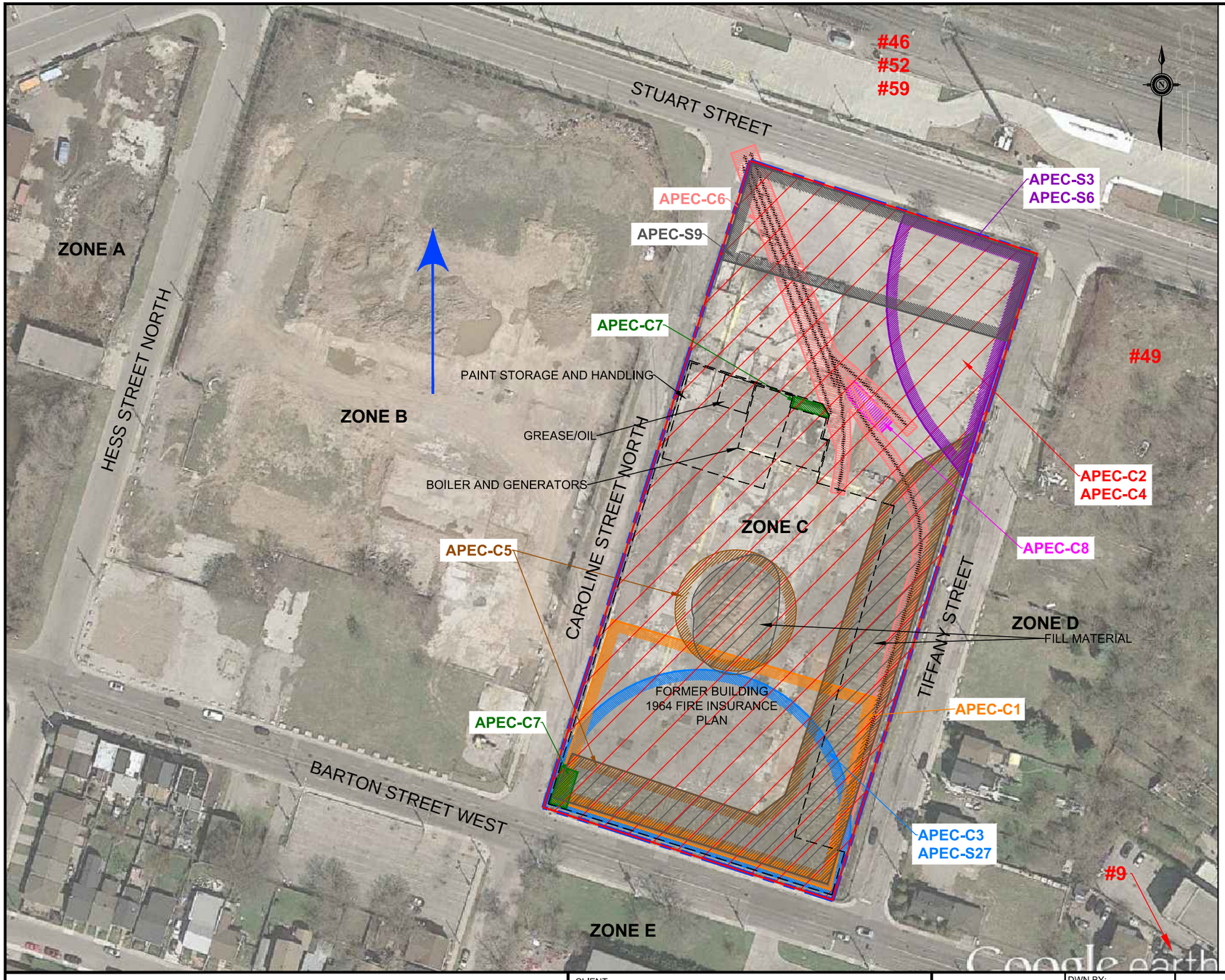
DWN BY:	ZF
CHK'D BY:	TS
DATUM:	NAD 83
PROJECTION:	UTM ZONE 17T
SCALE:	AS SHOWN

PROJECT
PHASE I ENVIRONMENTAL SITE ASSESSMENT

TITLE
ZONE C PROPERTY LAYOUT PLAN
128 BARTON STREET WEST, HAMILTON, ONTARIO

DATE:	JANUARY 2018
PROJECT NO:	TB171019
REV. NO.:	A
FIGURE No.	3C

R:\2017\Projects_Other\TB171019_City of Hamilton\TB171019.dwg – Figure 3_C – Feb. 08, 2018 3:59pm – zhanna.furman



LEGEND:

- PHASE ONE PROPERTY BOUNDARY
- FORMER BUILDING OUTLINE
- AREA OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)
- #30 POTENTIALLY CONTAMINATING ACTIVITY (PCA)
- INFERRED GROUND WATER FLOW DIRECTION

#	POTENTIALLY CONTAMINATING ACTIVITY (PCA)	CONTAMINANT OF POTENTIAL CONCERN
APEC-C1	OTHER – CONFIRMED SOIL AND GROUND WATER EXCEEDENCES	PAHs, PHCs, BTEX, Na
APEC-C2	OTHER – CONFIRMED SURFICIAL SOIL METALS CONTAMINATION	Metals, As, Sb, Se, Cr (VI)
APEC-C3	9 - COAL GASIFICATION	PHCs, PAHs, VOCs, CPs, ABNs
	OTHER - CONFIRMED SUPERFICIAL SOIL METALS CONTAMINATION	
APEC-C4	2 – ADHESIVES AND RESINS MANUFACTURING, PROCESSING AND BULK STORAGE	VOCs, PHCs, Metals, As, Sb, , Se, Cr (VI), PCBs, PAHs, ABNs, CPs, Dioxins/Furans, PCDDs/PCDFs
	20 - EXPLOSIVES AND AMMUNITION MANUFACTURING, PRODUCTION AND BULK STORAGE	
	26 - FOAM AND EXPANDED FOAM MANUFACTURING AND PROCESSING	
	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	
	29 - GLASS MANUFACTURING	
	32 - IRON AND STEEL MANUFACTURING AND PROCESSING	
	33 - METAL TREATMENT, COATING, PLATING AND FINISHING	
	34 - METAL FABRICATION	
	39 - PAINTS MANUFACTURING, PROCESSING AND BULK STORAGE	
APEC-C5	30 - IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY	PHCs, Metals, As, Sb, Se, Cr (VI), SAR, EC, PAHs, PCBs, VOCs
APEC-C6	46 - RAIL YARDS, TRACKS AND SPURS	PHCs, Metals, As, Sb, Se, Cr (VI), BTEX, CPs
APEC-C7	55 - TRANSFORMER MANUFACTURING, PROCESSING AND USE	PAHs, PHCs, BTEX
APEC-C8	OTHER - BULK COAL AND COKE STORAGE	PAHs, PHCs, BTEX
APEC-S3	49 - SALVAGE YARD, INCLUDING AUTOMOBILE WRECKING	PCBs, Metals, As, Sb, Se, Cr (VI)
APEC-S6	49 - SALVAGE YARD, INCLUDING AUTOMOBILE WRECKING	VOCs, PHCs, PCBs, Metals, As, Sb, Se, Cr (VI), PAHs
APEC-S9	46 - RAIL YARDS, TRACKS AND SPURS	VOCs, PHCs, Metals, As, Sb, Se, Cr (VI), PCBs, PAHs, ABNs, CPs
	52 - STORAGE, MAINTENANCE, FUELLING AND REPAIR OF EQUIPMENT, VEHICLES, AND MATERIAL USED TO MAINTAIN TRANSPORTATION SYSTEM	
	59 - WOOD TREATING AND PRESERVATIVE FACILITY AND BULK STORAGE OF TREATED AND PRESERVED WOOD PRODUCTS	
APEC-S27	9 - COAL GASIFICATION	Metals, As, Sb, Se, VOCs, PHCs, CPs, ABNs, PAHs, pH

REFERENCE:
BASE MAP COURTESY GOOGLE EARTH.

0 10 30 60m
SCALE 1:1,250

CLIENT:
CITY OF HAMILTON

Amec Foster Wheeler
Environment & Infrastructure
3450 Harvester Road, Suite 100
Burlington, Ontario L7N 3W5

amec foster wheeler

DWN BY: ZF
CHK'D BY: TS
DATUM: NAD 83
PROJECTION: UTM ZONE 17T
SCALE: AS SHOWN

PROJECT: PHASE I ENVIRONMENTAL SITE ASSESSMENT

TITLE: CONCEPTUAL SITE MODEL - AREAS OF POTENTIAL ENVIRONMENTAL CONCERN 128 BARTON STREET WEST, HAMILTON, ONTARIO

DATE: JANUARY 2018
PROJECT NO: TB171019
REV. NO.: A
FIGURE No. 4C

LEGEND:

PHASE ONE PROPERTY BOUNDARY

ABOVEGROUND STORAGE TANK

REFERENCE:
BASE MAP COURTESY GOOGLE EARTH.

0 10 30 60m

SCALE 1:1,250

CLIENT:

CITY OF HAMILTON

Amec Foster Wheeler
Environment & Infrastructure
3450 Harvester Road, Suite 100
Burlington, Ontario L7N 3W5

amec foster wheeler

DWN BY:	ZF
CHK'D BY:	TS
DATUM:	NAD 83
PROJECTION:	UTM ZONE 17T
SCALE:	AS SHOWN

PROJECT: PHASE I ENVIRONMENTAL SITE ASSESSMENT

TITLE: ZONE D PROPERTY LAYOUT PLAN
112 BARTON STREET WEST, 4, 10, 16, 22, 26, 28, 30 AND 32 TIFFANY STREET, HAMILTON, ONTARIO

DATE:	JANUARY 2018
PROJECT NO:	TB171019
REV. NO.:	A
FIGURE No.	3D

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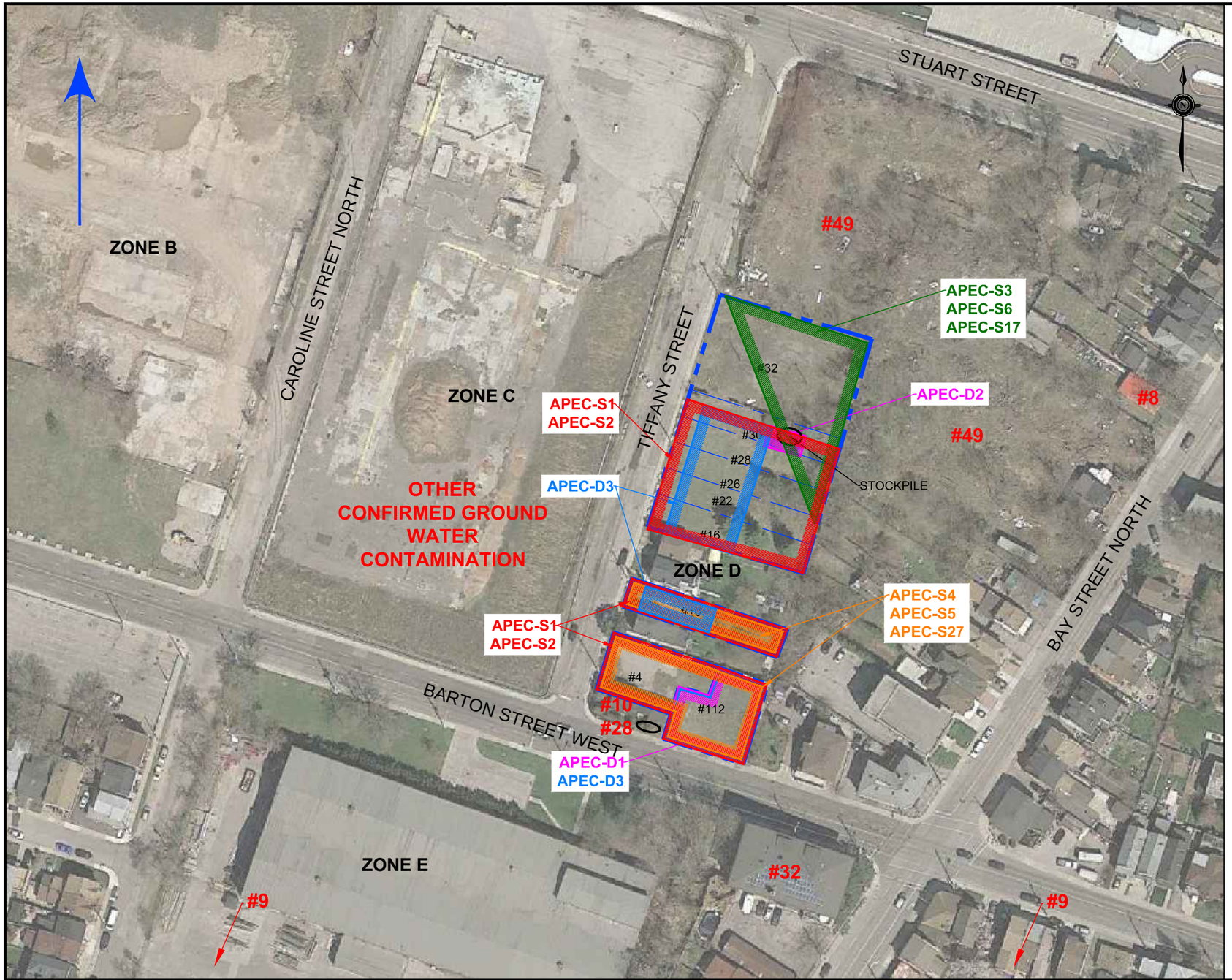

LEGEND:

- PHASE ONE PROPERTY BOUNDARY
- ABOVEGROUND STORAGE TANK
- AREA OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)
- #30 POTENTIALLY CONTAMINATING ACTIVITY (PCA)
- INFERRED GROUND WATER FLOW DIRECTION

#	POTENTIALLY CONTAMINATING ACTIVITY (PCA)	CONTAMINANT OF POTENTIAL CONCERN
APEC-D1	10 - COMMERCIAL AUTOBODY SHOPS	PHCs, VOCs, Metals, As, Sb, Se, Cr (VI)
APEC-D2	30 - IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY	PHCs, Metals, As, Sb, Se, BTEX
APEC-D3	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	PHCs, PAHs, BTEX
APEC-S1	8 - CHEMICAL MANUFACTURING, PROCESSING AND BULK STORAGE 9 - COAL GASIFICATION 28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	Metals, As, Sb, Se, Cr (VI), VOCs, PHCs, ABNs, CPs, PAHs, pH
APEC-S2	OTHER - CONFIRMED GROUND WATER CONTAMINATION	PHCs, PAHs, VOCs, CPs, ABNs
APEC-S3	49 - SALVAGE YARD, INCLUDING AUTOMOBILE WRECKING	PCBs, Metals, As, Sb, Se, Cr (VI)
APEC-S4	32 - IRON AND STEEL MANUFACTURING AND PROCESSING	PHCs, VOCs, Metals, As, Sb, Se, Cr (VI), PAHs, Dioxins/ Furans, PCDDs/ PCDFs
APEC-S5	10 - COMMERCIAL AUTOBODY SHOPS 28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	PHCs, VOCs, Metals, As, Sb, Se, Cr (VI)
APEC-S6	49 - SALVAGE YARD, INCLUDING AUTOMOBILE WRECKING	VOCs, PHCs, PCBs, Metals , As, Sb, Se, Cr (VI), PAHs
APEC-S17	8 - CHEMICAL MANUFACTURING, PROCESSING AND BULK STORAGE	VOCs, PHCs, Metals, As, Sb, Se, Hg, Cr (VI), pH, CN-, PCBs, ABNs, CPs
APEC-S27	9 - COAL GASIFICATION	Metals, VOCs, PHCs, CPs, ABNs, PAHs, pH

REFERENCE:
BASE MAP COURTESY GOOGLE EARTH.

0 10 30 60m
SCALE 1:1,250

CLIENT:
CITY OF HAMILTON

Amec Foster Wheeler
Environment & Infrastructure
3450 Harvester Road, Suite 100
Burlington, Ontario L7N 3W5

amec foster wheeler

DWN BY: ZF
CHK'D BY: TS
DATUM: NAD 83
PROJECTION: UTM ZONE 17T
SCALE: AS SHOWN

PROJECT: PHASE I ENVIRONMENTAL SITE ASSESSMENT

TITLE: CONCEPTUAL SITE MODEL - AREAS OF POTENTIAL ENVIRONMENTAL CONCERN 112 BARTON STREET WEST, 4, 10, 16, 22, 26, 28, 30 AND 32 TIFFANY STREET, HAMILTON, ONTARIO

DATE: JANUARY 2018
PROJECT NO: TB171019
REV. NO.: A
FIGURE No. 4D

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LEGEND:

- PHASE ONE PROPERTY BOUNDARY
- RAIL ROAD TRACKS
- STORM SEWER LINE
- CATCH BASIN
- ABOVEGROUND STORAGE TANK

REFERENCE:
BASE MAP COURTESY GOOGLE EARTH.

0 10 30 60m

SCALE 1:1,250

CLIENT:

CITY OF HAMILTON

Amec Foster Wheeler
Environment & Infrastructure
3450 Harvester Road, Suite 100
Burlington, Ontario L7N 3W5

amec foster wheeler

DWN BY:	ZF
CHK'D BY:	TS
DATUM:	NAD 83
PROJECTION:	UTM ZONE 17T
SCALE:	AS SHOWN

PROJECT: PHASE I ENVIRONMENTAL SITE ASSESSMENT

TITLE: ZONE E PROPERTY LAYOUT PLAN
115-125 BARTON STREET WEST,
HAMILTON, ONTARIO

DATE:	JANUARY 2018
PROJECT NO:	TB171019
REV. NO.:	A
FIGURE No.	3E

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LEGEND:

- PHASE ONE PROPERTY BOUNDARY
- RAIL ROAD TRACKS
- STORM SEWER LINE
- CATCH BASIN
- ABOVEGROUND STORAGE TANK
- AREA OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)
- #30 POTENTIALLY CONTAMINATING ACTIVITY (PCA)
- INFERRED GROUND WATER FLOW DIRECTION

#	POTENTIALLY CONTAMINATING ACTIVITY (PCA)	CONTAMINANT OF POTENTIAL CONCERN
APEC-E1	OTHER - CONFIRMED GROUND WATER CONTAMINATION	PHCs, PAHs, VOCs, CPs, ABNs
APEC-E2	10 - COMMERCIAL AUTOBODY SHOPS	PHCs, VOCs, Metals, As, Sb, Se, Cr (VI)
APEC-E3	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	PHCs, Metals (Lead), BTEX
APEC-E4	32 - IRON AND STEEL MANUFACTURING AND PROCESSING	PHCs, VOCs, Metals, As, Sb, Se, Cr (VI), PAHs, Dioxins/Furans, PCDDs/PCDFs
	34 - METAL FABRICATION	
APEC-E5	39 - PAINTS MANUFACTURING, PROCESSING AND BULK STORAGE	VOCs
APEC-E6	46 - RAIL YARDS, TRACKS AND SPURS	PHCs, Metals, As, Sb, Se, Cr (VI), BTEX, CPs
APEC-E7	55 – TRANSFORMER MANUFACTURING, PROCESSING AND USE	PHCs, PCBs, BTEX
APEC-E8	58 - WASTE DISPOSAL AND WASTE MANAGEMENT, INCLUDING THERMAL TREATMENT, LANDFILLING AND TRANSFER OF WASTE, OTHER THAN USE OF BIOSOILS AS SOIL CONDITIONERS	PCBs
APEC-E9	59 - WOOD TREATING AND PRESERVATIVE FACILITY AND BULK STORAGE OF TREATED AND PRESERVED WOOD PRODUCTS	Metals, As, Sb, Se, Cr (VI), BTEX, CPs, ABNs
APEC-E10	OTHER – BULK COAL STORAGE	PAHs, PHCs, BTEX
APEC-S1	8 - CHEMICAL MANUFACTURING, PROCESSING AND BULK STORAGE	Metals, As, Sb, Se, Cr (VI), VOCs, PHCs, ABNs, CPs, PAHs, pH
	9 - COAL GASIFICATION	
	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	
APEC-S2	9 - COAL GASIFICATION	PHCs, PAHs, VOCs, CPs, ABNs
APEC-S4	32 - IRON AND STEEL MANUFACTURING AND PROCESSING	PHCs, VOCs, Metals, As, Sb, Se, PAHs
APEC-S11	58 - WASTE DISPOSAL AND WASTE MANAGEMENT, INCLUDING THERMAL TREATMENT, LANDFILLING AND TRANSFER OF WASTE, OTHER THAN USE OF BIOSOILS AS SOIL CONDITIONERS	VOCs, PHCs, Metals, As, Sb, Se, Hg, CN-, B-HWS, Cr (VI), SAR, EC, pH, PCBs, ABNs, CPs, PAHs, 1,4-Dioxane
APEC-S13	11 - COMMERCIAL TRUCKING AND CONTAINER TERMINALS	PHCs, Metals, As, Sb, Se, BTEX
APEC-S14	10 - COMMERCIAL AUTOBODY SHOPS	VOCs, PHCs, Metals, As, Sb, Se, Cr (VI)
APEC-S16	10 - COMMERCIAL AUTOBODY SHOPS	PHCs, Metals, As, Sb, Se, Cr (VI), VOCs
APEC-S18	34 - METAL FABRICATION	VOCs, PHCs, PCBs, Metals, As, Sb, Se, Cr (VI), PAHs
	49 - SALVAGE YARD, INCLUDING AUTOMOBILE WRECKING	
APEC-S19	49 - SALVAGE YARD, INCLUDING AUTOMOBILE WRECKING	VOCs, PHCs, PCBs, Metals, As, Sb, Se, Cr (VI), PAHs
APEC-S27	9 - COAL GASIFICATION	Metals, VOCs, PHCs, CPs, ABNs, PAHs, pH
APEC-S28	49 - SALVAGE YARD, INCLUDING AUTOMOBILE WRECKING	VOCs, PHCs, PCBs, Metals, As, Sb, Se, Cr (VI), PAHs
APEC-S31	49 - SALVAGE YARD, INCLUDING AUTOMOBILE WRECKING	

REFERENCE:
BASE MAP COURTESY GOOGLE EARTH.

0 10 30 60m
SCALE 1:1,250

CLIENT:
CITY OF HAMILTON

Amec Foster Wheeler
Environment & Infrastructure
3450 Harvester Road, Suite 100
Burlington, Ontario L7N 3W5

amec foster wheeler

DWN BY: ZF
CHK'D BY: TS
DATUM: NAD 83
PROJECTION: UTM ZONE 17T
SCALE: AS SHOWN

PROJECT: PHASE I ENVIRONMENTAL SITE ASSESSMENT

TITLE: CONCEPTUAL SITE MODEL - AREAS OF POTENTIAL ENVIRONMENTAL CONCERN 115-125 BARTON STREET WEST, HAMILTON, ONTARIO

DATE: JANUARY 2018
PROJECT NO: TB171019
REV. NO.: A
FIGURE No. 4E

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APPENDIX A

PHASE ONE ESA
REFERENCE DOCUMENT

Phase One Environment Site Assessment
Reference Document

Asbestos

Asbestos refers to a group of naturally occurring fibrous mineral silicates that is known to have been used in over 3,000 products commonly referred to as asbestos-containing materials (ACM). Friable ACM can be readily crumbled using hand pressure, separating asbestos fibres from the associated binding materials and is commonly seen in boiler and pipe insulation and spray fireproofing. Non-friable ACM is associated with a binding agent that prevents the ready release of airborne fibres and is typically found in vinyl flooring, tars and sealants, drywall compound, plaster and pre-cast asbestos cement products commonly referred to as "Transite" (e.g., roof drains and transite panels). The handling, identification, documentation, and removal of asbestos are regulated by *Ontario Regulation278/05 Designated Substance – Asbestos On Construction Projects And In Buildings And Repair Operations*. The presence of ACMs can only be verified through multiple samples and analysis of suspect materials as outlined in *O.Reg. 278/05*. ACMs must be addressed through the implementation of an appropriate management and/or abatement program to protect the health of persons working at the Site, as required under the OHSA and *O.Reg. 278/05*. ACMs in poor or deteriorated condition may be addressed through repair, encapsulation, enclosure or removal.

Hydraulic Equipment

Mechanical equipment including piston type elevators, vehicle hoists, loading dock lifts, and compactors comprise typical hydraulically operated devices. Such equipment contains hydraulic oils which are operated under high pressures and can be released into the environment as a result of leaks or equipment failure.

Lead

Lead is a heavy metal typically found in metallic lead (used to make water distribution pipes, electrical batteries, lead solder, and electric cable sheathes); inorganic compounds (components of products such as insecticides, pigments, paints, and glass); and organic lead compounds (the most commonly known of which are tetramethyl lead and tetraethyl lead, used as antiknock additives in gasoline).

The presence of lead-containing paints (LCPs) in buildings represents a potential hazard where persons, notably small children, may ingest peeling or flaking LCPs. The generation of airborne lead containing dust created during renovation, demolition, or construction activities (i.e., during sanding and grinding), or like actions also comprises a potential health concern. The MOL issued the "*Lead on Construction Projects*" guideline in September 2004. The guideline includes legal requirements, health effects, control of the health hazard, classification of construction operations, and measures and procedures for working with the designated substance during operations that create lead dust or fumes.

The United States Department of Housing and Urban Development (the U.S. HUD) guideline of 1 milligram per square centimetre (mg/cm^2), 0.5 percent lead by weight, or 5,000 parts per million (ppm) lead is used in the United States as a guideline for determining whether the use of safety precautions would be required during operations that create lead dust or fumes.

In 1976, the Canadian Federal Government introduced the Liquid Coating Materials Regulations under the Federal Hazardous Products Act (HPA), restricting the maximum total lead content of paints and other liquid coating materials used in or around premises attended by children or pregnant women to 0.5% by weight (5,000 mg/kg). In January 1991, Health Canada negotiated a voluntary reduction of lead content in all Canadian produced consumer paint to a maximum of 0.06%. Recently the Canadian Federal Government revoked Part 1 of the HPA and enacted the Surface Coating Materials Regulations (SOR/2005-109) under the Canada Consumers Product Safety Act (S.C. 2010) which reduce the maximum total lead content of any new surface coatings for consumer products to 0.009% (90 mg/kg). This reduction does not generally apply to surface coating applied to buildings or other structures used for agricultural or industrial purposes or as an anti-weathering or anti-corrosive coating.

The OHSA does not set a regulatory limit on the concentration of lead in paint and based on discussions with the MOL, any concentration of lead in paint applications should be considered to be lead-containing. The presence of LCPs can only be verified through sampling and analysis of suspect paint samples or by using a handheld XRF. If present, LCPs may be addressed through the implementation of an appropriate management or abatement plan to protect the health of workers. Where LCPs are in poor condition (i.e., peeling or flaking) they may be addressed through removal. Appropriate management plans are also required where maintenance, alteration, renovation, or demolition activities may disturb these materials.

Methane

Methane is a colourless and odourless gas commonly formed by the decomposition of organic material, and is a large component of natural gas associated with waste disposal sites. Natural sources of methane

include marshes, swamps, bogs, fens or coal and/or peat deposits. Potential methane risks include explosion hazards where methane enters closed spaces and concentrations exceed the lower explosive limit.

Mercury

Mercury can be used in fluorescent, compact fluorescent and high intensity discharge (HID) lamps, electrical switches, thermostats, thermometers, and certain batteries. All fluorescent and compact fluorescent lights contain mercury regardless of the date of manufacture. The Canadian Council of Ministers of the Environment (CCME) "Canada-Wide Standard for Mercury-Containing Lamps" (2001) is largely geared towards reducing the amount of mercury in lamps at the manufacturing stage; however, they do recommend that the release of mercury can be minimized through the proper recycling and disposal of mercury-containing lamps. Mercury was also added to some leaded paints as a fungal retardant. In January 1991, under the voluntary industry program negotiated by Health Canada, the intentional addition of mercury to Canadian produced consumer paints for interior use ceased. Under the Federal Surface Coating Materials Regulations (SOR/2005-109), the maximum total mercury concentration of paints and other surface coatings is restricted to 10 mg/kg (0.001%) when a dried sample is tested in accordance with a method that conforms to good laboratory practices. The 10 mg/kg mercury restriction is unique to Canada and is based on a toxicological assessment by Health Canada in 1995, which was reconfirmed in 2004.

Mould

Mould spores are ubiquitous in both indoor and outdoor environments and in the presence of adequate moisture, may pose a concern in a building environment. There are currently no regulations specifically covering exposure to mould and/or mould remediation practices in Canada and there are no occupational exposure limits that define acceptable levels of mould exposure without adverse health effects. However, Section 25 and 27 of the OHSA states that an employer and supervisor must take every reasonable precaution to ensure the health and safety of their workers. This includes exposure to moulds and other biological matter. Direction on the assessment and remediation of mould in Ontario is based on the *"Mould Guidelines for the Canadian Construction Industry"* Canadian Construction Association (document CCA82). February 2004, and the *"Mould Abatement Guidelines, Second Edition."* Environmental Abatement Council of Ontario (EACO). 2010.

Ozone depleting substances

Ozone depleting substances (ODSs) include any substances containing chlorofluorocarbon (CFC), hydrochlorofluorocarbon (HCFC), halon or any other material capable of destroying ozone in the atmosphere. ODSs have been used in rigid polyurethane foam and insulation, laminates, aerosols, air conditioners, fire extinguishers, cleaning solvents and the sterilization of medical equipment. Federal regulations introduced in 1995 required the elimination of production and import of CFCs by January 1, 1996 (subject to certain essential uses) and a freeze on the production and import of HCFC-22 by January 1, 1996. These regulations also require the complete elimination of HCFC-22 by the year 2020. ODSs and other halocarbons are regulated by Ontario Regulation 463/10 made under the Environmental Protection Act (EPA).

Polychlorinated Biphenyls

PCB-containing products (e.g., oil in light ballasts and liquid-filled transformers) were manufactured for use in applications where stable, fire-resistant, and heat-transfer properties were demanded between 1926-29 and 1977. Most PCBs were sold for use as dielectric fluids (insulating liquids) in electric transformers and capacitors. Other uses included heat transfer fluid, hydraulic fluid, dye carriers in carbonless copy paper, plasticizers in paints, adhesives, and caulking compounds.

In Canada, PCBs were prohibited from being used in products, equipment, machinery, electrical transformers and capacitors that were manufactured or imported into the country after July 1980. However, older equipment in use after this date may still contain PCBs if the equipment's fluid has not been changed, or if there was sufficient inventory of such equipment.

PCB-containing lamp ballasts in good condition and still in service do not require removal or replacement. Leaking ballasts should be verified for PCB content, and if found to be PCB containing, managed in accordance with MOE regulations regarding PCB wastes. According to Environmental Canada's *Handbook on PCBs in Electrical Equipment*, "any substance that contains 50 ppm or greater is considered to be contaminated and must be treated as a PCB-containing substance." Where maintenance alteration, renovation, or demolition activities undertaken at a Site may result in the generation of more than 1.0 kg of PCB waste, it will be necessary to establish a secure licensed PCB storage facility at the Site or dispose of the wastes at an approved PCB disposal or destruction facility. PCB wastes totaling less than 1.0 kg may be disposed as non-hazardous waste at any licensed waste disposal site.

Radioactive Materials

The Canadian Nuclear Safety Commission (CNSC) is responsible for the management and licensing of radioactive materials, to ensure that the use of nuclear energy and materials do not pose undue risk to health, safety, security and the environment. Industrial equipment such as X-ray imagers, metal detection devices and measuring devices may contain radioactive materials and may be a hazard if used or stored improperly.

Radon

Radon is a naturally occurring gas produced by the decay of Uranium-238 that tends to concentrate in formations of granite, sandstone, coal, phosphate and uranium deposits. Radon is colourless, odourless and tasteless and tends to percolate up through soil where it may enter and accumulate in basements of buildings through foundation cracks and joints. Because the existence of radon is dependent upon geological factors, it is more of a regional concern than site-specific.

In June 2007, following a review of the 1988 federal radon guidelines, Health Canada announced a new (non-regulatory) guideline for acceptable levels of radon in indoor air in a residential setting: *"remedial measures should be undertaken in a dwelling whenever the average annual radon concentration exceeds 200 Becquerels per cubic metre (200 Bq/m³) in the normal occupancy area. The higher the radon concentration, the sooner remedial measures should be undertaken. When remedial action is taken, the radon levels should be reduced to a value as low as practicable. The construction of new dwellings should employ techniques that will minimize radon entry and will facilitate post-construction radon removal, should this subsequently prove necessary*."

Health Canada and the Federal Provincial Territorial Radiation Protection Committee (FPTRPC) worked collaboratively to form the new radon guideline, and since 2004 have also worked to develop a program of implementation for the guideline, under the National Radon Program. Several research projects have been ongoing to test radon across the country, and develop a radon potential mapping methodology, which will help to target more research and education efforts. The two year *Cross-Canada Survey of Radon Concentrations in Homes, Final Report* (14) *e*stimated that the percentage of Canadian homes with radon levels above the 200 Bq/m³ guideline is 6.9%. The estimate for Ontario of homes exceeding the guideline was less, at 4.6%. Further studies are ongoing to determine any correlations between radon levels and home characteristics, as well as regional potential mapping. The study's conclusions found that no areas of the country are 'radon free', and also emphasized that the results should not be used to determine risk potential, as the only way to know if a building has elevated radon is to test for it.

Silica

Silica (SiO_2) is the name of a group of minerals that are used in the manufacture of glass, ceramics, abrasives, water treatment products, cosmetics, insecticides, paint, and foods, as well as a drying agent or preservative. Crystalline silica materials also are used in the production of concrete or mortar-based building materials, cement, acoustic ceiling tiles, and ceramic tiles which are used for construction purposes. Common construction sand contains free crystalline silica and is present in ceiling tiles, concrete products, mortar, and brick. Dusts containing more than 1% crystalline free silica by weight are considered to pose a potential exposure hazard. *O.Reg 490/09* specifies the occupational exposure limit for respirable crystalline silica is 0.05 milligrams per cubic metre (mg/m^3) of air by volume as a 40-hour weekly time-weighted average for cristobalite and tridymite. In the case of quartz and tripoli, the occupational exposure limit is 0.10 mg/m^3 of air by volume. The MOL issued the "Silica on Construction Projects" guideline in September 2004. The guidelines include legal requirements, health effects, control of the health hazard, classification of construction operations, and measures and procedures for working with the designated substance during operations that create silica dust.

UFFI

Urea formaldehyde foam insulation (UFFI) is a thermal insulation material that is pumped into interstitial spaces between the walls of buildings where it hardens to form a solid layer of insulation. The sale and installation of UFFI was banned for health-related reasons because of the formation of formaldehyde gas, which is released from the UFFI to the building interior. The spray application of UFFI was reportedly used between 1977 and its ban in Canada in 1980. UFFI was banned due to developing concerns of the release of toxic formaldehyde vapor emitted in the curing process and from the breakdown of old insulation due to water or moisture damage. Health Canada has reportedly determined that 0.1 parts per million (ppm) is a safe level of formaldehyde in a residential building. Sensitivity to this concentration may vary based on individual age and health.

APPENDIX B

LEGAL SURVEY

METRIC DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

PLAN OF SURVEY OF
PART OF HESS STREET NORTH, CAROLINE STREET NORTH
TIFFANY STREET AND STUART STREET
REGISTERED PLAN No. 119
AND
ALL OF LOTS 1 TO 31 Inclusive all in BLOCK 'H'
AND UNNAMED LOT IN BLOCK 'H' &
PART OF LOTS 16 and 17 BLOCK 'F'
REGISTERED PLAN No. 119
AND
PART OF STUART STREET
REGISTERED PLAN No. 127
AND
PART OF ROAD ALLOWANCE BETWEEN LOTS 16 & 17
AND
PART OF LOT 16, CONCESSION 1
AND
PART OF WATER LOT IN FRONT
OF LOT 16, CONCESSION 1
IN THE
GEOGRAPHIC TOWNSHIP OF BARTON
IN THE
CITY OF HAMILTON
SCALE = 1: 800
0 5 10 20 30 40 Metres

DAVID A. LAMONT ONTARIO LAND SURVEYOR

BEARING NOTE

BEARINGS HEREON ARE GRID AND ARE REFERRED TO THE NAD83 UTM CO-ORDINATE SYSTEM, ZONE 17, CENTRAL MERIDIAN 81° W LONGITUDE AND DERIVED FROM MONUMENTS

025900016	N 4793513.155	E 581231.708
025900025	N 4790706.077	E 581699.331

DISTANCES SHOWN ARE GROUND VALUES, TO RELATE TO GRID VALUES MULTIPLY BY THE C.S.F. OF 0.99999915

LEGEND

OU	-	DENOTES ORIGIN UNKNOWN
Calc	-	DENOTES BEARINGS CALCULATED TO GRID
Conc	-	DENOTES CONCRETE
RP	-	DENOTES REGISTERED PLAN No. 119
P1	-	DENOTES PLAN No. 62R-10324
P2	-	DENOTES BA PLAN No. 781
P3	-	DENOTES PLAN No. 62R-14859
P4	-	DENOTES PLAN No. 62R-13725
P5	-	DENOTES PLAN No. 62R-10965
P6	-	DENOTES PLAN No. 62R-8519
P7	-	DENOTES PLAN No. 62R-4747
P8	-	DENOTES PLAN No. 62R-14880
P9	-	DENOTES PLAN BY L.G. WOODS dated November 30, 1937
P10	-	DENOTES PLAN No. 62R-18483
P11	-	DENOTES PLAN No. 62R-16319
P12	-	DENOTES PLAN No. 62R-7812
P13	-	DENOTES PLAN No. 62R-12241
P14	-	DENOTES PLAN No. 62R-14880
P15	-	DENOTES PLAN No. 62R-8287
P16	-	DENOTES B.A. JACOBS PLAN dated January 5, 2001
P17	-	DENOTES PLAN No. 62R-18728
D1	-	DENOTES INSTRUMENT No. WA216074

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT, THE LAND TITLES ACT AND THE REGISTRY ACT AND THE REGULATIONS MADE UNDER THEM.

2. THE SURVEY WAS COMPLETED ON THE 19th DAY OF MAY 2010.

MAY 20, 2010 — DATE
DAVID A. LAMONT O.L.S.

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT AND THE REGISTRY ACT
DATE JUNE 4, 2010
DAVID A. LAMONT O.L.S.
SENIOR PROJECT MANAGER SURVEYS

PLAN 62R- 18764
RECEIVED AND DEPOSITED
DATE June 8, 2010
LAND REGISTRAR FOR THE LAND TITLES & REGISTRY DIVISION OF WENTWORTH (62)

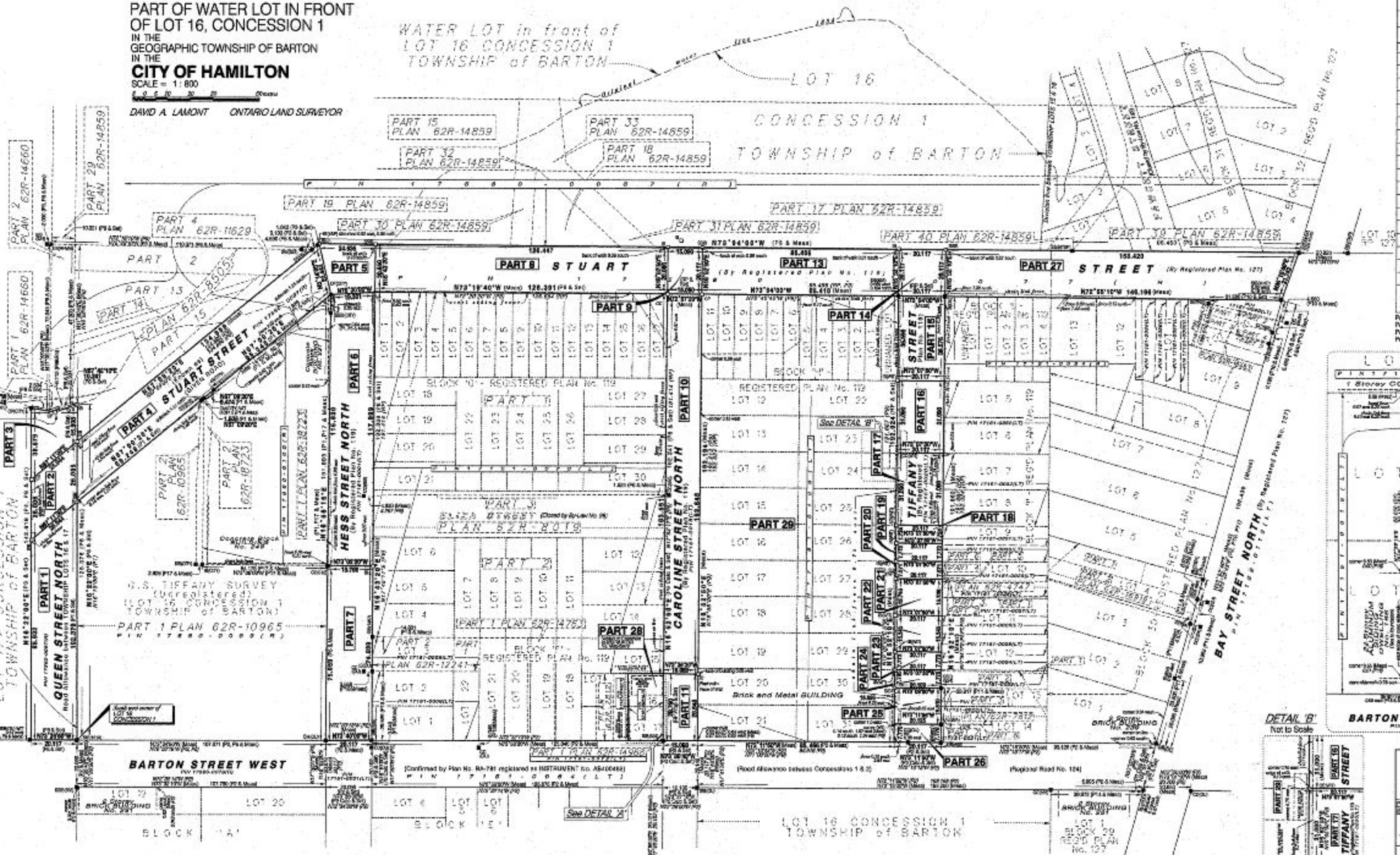
REGISTRY SCHEDULE

PART	LOCATION	DESCRIPTION/PLAN	PIN	AREA	TRANSFERCE
1	PART OF ROAD ALLOWANCE BETWEEN LOTS 16 & 17	1	PART OF 17580-0307(R)	183m²	CITY OF HAMILTON
2				535m²	
3				464m²	
4	PART OF THE WATER LOT IN FRONT OF LOT 16			2207m²	
5	PART OF STUART STREET	REGISTERED PLAN No. 119	PART OF 17580-0077(R)	457m²	
8				2576m²	
9				906m²	
13				1718m²	
14				436m²	
27		RP 119 and RP 127	PART OF 17580-0077(R)	9046m²	

LAND TITLES SCHEDULE

PART	LOCATION	PLAN	PIN	AREA	TRANSFERCE
6	PART OF HESS STREET NORTH	REGISTERED PLAN No. 119	PART OF 17161-0001(LT)	2297m²	CITY OF HAMILTON
7				1407m²	
10	PART OF CAROLINE STREET NORTH		PART OF 17161-0018(LT)	2488m²	
11				468m²	
12	PART OF LOT 17 BLOCK 'F'		ALL OF 17161-0071(LT)	87m²	
15	PART OF TIFFANY STREET		PART OF 17161-0005(LT)	736m²	
16				625m²	
17				626m²	
18				158m²	
19				159m²	
20				153m²	
21				317m²	
22				318m²	
23				159m²	
24				156m²	
25				312m²	
26				156m²	
28	PART OF LOTS 16 & 17 BLOCK 'F'		ALL OF 17161-0001(LT)	432m²	VESTED TO ONTARIO INC.
	ALL OF LOTS 1 TO 31 INCLUSIVE & UNNAMED LOT		ALL OF 17161-0138(LT)	9548m²	CITY OF HAMILTON

PARTS 3, 8, 9, 13, 14 and 27 COMPRISES ALL OF PIN 17580-0077(R)
PARTS 10 and 11 COMPRISES ALL OF PIN 17161-0018(LT)
PARTS 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 & 26 COMPRISES ALL OF PIN 17161-0002(LT)
PART 28 SUBJECT TO EASEMENT AS IN INSTRUMENT No. WA245979



DETAIL 'B' Not to Scale

DETAIL 'A' of PARTS 12 & 28 Not to Scale

CITY OF HAMILTON
Surveys and Technical Services

FIELD BOOK	PLOT	FILE No. H:\surveys\DEMTPL_05.DWG	DATE 2010-04-19
SURVEYED BY RWH	CREATED BY RDP	CHECKED BY DAL O.L.S.	

GORD MCGUIRE, O.L.S. MANAGER

PLAN No. RC-H-691 SURVEYS

APPENDIX C

ECOLOG ERIS AND OPTA REPORTS

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Tiffany* *112 Barton St W* *Hamiton ON*
Project No:	*Tiffany*
Report Type:	*RSC Report - Quote*
Order No:	*20170818054*
Requested by:	*AMEC Foster Wheeler Environment & Infrastructure*
Date Completed:	*September 11, 2017*

Environmental Risk Information Services
A division of Glacier Media Inc.
P: 1.866.517.5204
E: info@erisinfo.com

www.erisinfo.com

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Executive Summary

Property Information:

Project Property:	*Tiffany* *112 Barton St W Hamiton ON*
Project No:	*Tiffany*

Order Information:

Order No:	*20170818054*
Date Requested:	*August 18, 2017*
Requested by:	*AMEC Foster Wheeler Environment & Infrastructure*
Report Type:	*RSC Report - Quote*

Historical/Products:

Topographic Map	*Ontario Base Map (OBM)*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	1	1
AUWR	Automobile Wrecking & Supplies	Y	1	1	2
BORE	Borehole	Y	6	45	51
CA	Certificates of Approval	Y	11	10	21
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	6	4	10
ECA	Environmental Compliance Approval	Y	6	6	12
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	6	22	28
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	4	17	21
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	5	1	6
FSTH	Fuel Storage Tank - Historic	Y	0	2	2
GEN	Ontario Regulation 347 Waste Generators Summary	Y	35	150	185
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	1	1
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	3	3
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
NCPL	Non-Compliance Reports	Y	0	1	1
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	7	4	11
NPRI	National Pollutant Release Inventory	Y	14	0	14
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	8	9	17
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	1	1
PINC	TSSA Pipeline Incidents	Y	0	4	4
PRT	Private and Retail Fuel Storage Tanks	Y	1	4	5
PTTW	Permit to Take Water	Y	0	1	1
REC	Ontario Regulation 347 Waste Receivers Summary	Y	1	2	3
RSC	Record of Site Condition	Y	0	1	1
RST	Retail Fuel Storage Tanks	Y	4	2	6
SCT	Scott's Manufacturing Directory	Y	8	15	23
SPL	Ontario Spills	Y	5	21	26
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	1	1
WWIS	Water Well Information System	Y	2	20	22
	Total:		130	349	479

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	CA	687224 Ontario Inc.	239 Caroline Street North Hamilton ON L8R 2S3	-/0.0	0.23	58
1	EBR	687224 Ontario IncB&M Metal Recycling	239 CAROLINE STREET NORTH City of Hamilton ON L8R 2S3	-/0.0	0.23	58
1	EBR	687224 Ontario Inc.	239 Caroline Street North HAMILTON ON L8R 2S3	-/0.0	0.23	58
1	ECA	687224 Ontario Inc.	239 Caroline Street North Hamilton ON L8R 2T6	-/0.0	0.23	58
1	GEN	687224 Ontario Inc.	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	-/0.0	0.23	59
1	GEN	B&M METAL RECYCLNG	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	-/0.0	0.23	59
1	GEN	HAMILTON IRON & METAL CO. LTD.	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	-/0.0	0.23	60
1	GEN	HAMILTON IRON & METAL CO. LTD. 19-143	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	-/0.0	0.23	60
1	GEN	B & M METAL RECYCLING	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	-/0.0	0.23	60
1	GEN	687224 Ontario Inc.	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	-/0.0	0.23	60
1	GEN	687224 Ontario Inc.	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	-/0.0	0.23	61
1	NPCB	HAMILTON IRON & METAL CO. LTD.	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	-/0.0	0.23	61
1	SCT	HAMILTON IRON AND METAL COMPAN	239 CAROLINE ST N HAMILTON ON L8R 2S3	-/0.0	0.23	61
2	CA	CAN AM PLASTICS NA INC.	259 CAROLINE STREET NORTH HAMILTON CITY ON	-/0.0	-0.47	62
3	EHS		Stuart St Hamilton ON	-/0.0	-1.25	62
4	GEN	HAMILTON-WENTWORTH R.C.S. SCHOOL BOARD	ST. THOMAS ELEMENTARY SCHOOL 170 BARTON STREET WATERDOWN ON	-/0.0	0.66	62

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
5	CA	RHEEM CANADA LIMITED	128 BARTON STREET WEST HAMILTON CITY ON	-/0.0	2.24	62
5	CA	RHEEM CANADA LTD.	128 BARTON STREET WEST HAMILTON CITY ON	-/0.0	2.24	6
5	CA	RHEEM CANADA LIMITED	128 BARTON STREET WEST HAMILTON CITY ON	-/0.0	2.24	63
5	CA		128 Barton Street Hamilton ON	-/0.0	2.24	63
5	CA	Rheem Canada Ltd.	128 Barton Street Hamilton ON	-/0.0	2.24	64
5	EBR	Rheem Canada Limited	128 Barton Street Hamilton ON L8R 2H2	-/0.0	2.24	64
5	ECA	Rheem Canada Ltd.	128 Barton Street Hamilton ON L8R 2H2	-/0.0	2.24	64
5	ECA	Rheem Canada Limited	128 Barton Street Hamilton ON L8R 2H2	-/0.0	2.24	64
5	EHS		128 Barton Street West Hamilton ON	-/0.0	2.24	65
5	GEN	RHEEM CANADA LTD.	128 BARTON STREET EAST HAMILTON ON	-/0.0	2.24	65
5	GEN	RHEEM CANADA LTD. 33-134	128 BARTON STREET WEST HAMILTON ON L8N 3P3	-/0.0	2.24	66
5	GEN	RHEEM CANADA LTD.	128 BARTON STREET WEST HAMILTON ON L8N 3P3	-/0.0	2.24	66
5	GEN	RHEEM CANADA LTD.	128 BARTON STREET WEST P.O. BOX 846 HAMILTON ON L8N 3P3	-/0.0	2.24	67
5	SCT	Rheem Canada Ltd. - Water Div	128 Barton St W Hamilton ON L8R 2H2	-/0.0	2.24	68
5	SCT	RHEEM CANADA LTD./LTEE	128 BARTON ST W HAMILTON ON L8R 2H2	-/0.0	2.24	68
5	SCT	Rheem Canada Ltd. - Water Heater Division	128 Barton St W Hamilton ON L8R 2H2	-/0.0	2.24	68
5	SCT	RHEEM CANADA LTD./LTÉE	128 Barton St W Hamilton ON L8R 2H2	-/0.0	2.24	69
5	SPL	Waste Management<UNOFFICIAL>	128 Barton Street West, Hamilton Hamilton ON	-/0.0	2.24	69
6	BORE		ON	-/0.0	2.87	69

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
7	NPRI	RHEEM CANADA	128 BARTON Street West Hamilton ON L8N3P3	-/0.0	1.85	70
7	NPRI	Rheem Canada Ltd. / Ltee.	Hamilton ON	-/0.0	1.85	71
7	NPRI	RHEEM CANADA	128 BARTON Street West Hamilton ON L8N3P3	-/0.0	1.85	71
7	NPRI	RHEEM CANADA LTD.	128 BARTON Street West Hamilton ON L8N3P3	-/0.0	1.85	73
7	NPRI	Rheem Canada Ltd. / Ltee.	128 Barton Street West Hamilton ON L8R 2H2	-/0.0	1.85	74
7	NPRI	RHEEM CANADA	128 BARTON Street West Hamilton ON L8N3P3	-/0.0	1.85	74
7	NPRI	Rheem Canada Ltd. / Ltee.	128 Barton Street West Hamilton ON L8R 2H2	-/0.0	1.85	75
7	NPRI	Rheem Canada Ltd. / Ltee.	128 Barton Street West Hamilton ON L8R 2H2	-/0.0	1.85	75
7	NPRI	Rheem Canada Ltd. / Ltee.	128 Barton Street West Hamilton ON L8R 2H2	-/0.0	1.85	76
7	NPRI	Rheem Canada Ltd./Ltee.	128 Barton St. West Hamilton ON L8N 3P3	-/0.0	1.85	76
7	NPRI	Rheem Canada Ltd. / Ltee.	128 Barton Street West Hamilton ON L8R 2H2	-/0.0	1.85	77
7	NPRI	RHEEM CANADA LTD.	128 Barton St. West Hamilton ON L8N 3P3	-/0.0	1.85	77
7	NPRI	Rheem Canada Ltd./Ltee.	128 Barton St. West Hamilton ON L8N 3P3	-/0.0	1.85	78
7	NPRI	Rheem Canada Ltd. / Ltee.	128 Barton Street West Hamilton ON L8R 2H2	-/0.0	1.85	78
8	BORE		ON	-/0.0	2.00	79
9	BORE		ON	-/0.0	0.92	79
10	CA	Thomas S Loth	182 Barton St W Hamilton ON L8R 2H4	-/0.0	0.71	80
10	EBR	Thomas Loth	182 Barton Street West Hamilton ON L8R 2H4	-/0.0	0.71	80
10	ECA	Thomas S Loth	182 Barton St W Hamilton ON L8R 2H4	-/0.0	0.71	80

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
11	WWIS		ON	-/0.0	3.85	81
12	BORE		ON	-/0.0	-1.03	81
13	EHS		288 Hess Street North Hamilton ON L8R 2T6	-/0.0	-1.27	82
14	BORE		ON	-/0.0	0.02	82
15	AUWR	B & M METAL RECYCLING	228 HESS ST N HAMILTON ON L8R 2T6	-/0.0	-0.11	83
15	CA	687224 Ontario Inc.	228 Hess Street North Hamilton ON L8R 2T6	-/0.0	-0.11	83
15	EBR	687224 Ontario Inc.	228 Hess Street North Hamilton ON L8R 2T6	-/0.0	-0.11	83
15	ECA	687224 Ontario Inc.	228 Hess Street North Hamilton ON L8R 2T6	-/0.0	-0.11	83
15	GEN	B & M METAL RECYCLING	228 HESS STREET, NORTH HAMILTON ON L8R 2T6	-/0.0	-0.11	84
15	NPCB	B&M METAL RECYCLING	228 HESS ST. NORTH HESS ST. NORTH HAMILTON ON L8R 2T6	-/0.0	-0.11	84
15	NPCB	B& M METAL RECYCLING	228 HESS ST. NORTH Hamilton ON L8R 2T6	-/0.0	-0.11	84
15	NPCB	B M METAL RECYCLING	228 HESS ST N HAMILTON ON L8R 2T6	-/0.0	-0.11	85
15	SCT	B & M Metal Recycling	228 Hess St N Hamilton ON L8R 2T6	-/0.0	-0.11	86
15	SPL		228 Hess St N Hamilton ON L8R 2T6	-/0.0	-0.11	86
16	GEN	City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	-/0.0	3.64	86
16	GEN	City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	-/0.0	3.64	87
16	GEN	City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	-/0.0	3.64	88
16	GEN	City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	-/0.0	3.64	89
16	GEN	City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	-/0.0	3.64	90

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
16	GEN	HAMILTON, THE CORP. OF THE CITY OF	125 BARTON ST. W. MAIN SHOP-CITY COMPND C/O 71 MAIN ST. WEST HAMILTON ON L8L 1A9	-/0.0	3.64	91
16	GEN	HAMILTON-WENTWORTH, REGIONAL MUN. OF	125 BARTON STREET WEST HAMILTON ON L8L 1A9	-/0.0	3.64	92
16	GEN	City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON	-/0.0	3.64	92
16	GEN	City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	-/0.0	3.64	93
16	GEN	HAMILTON-WENTWORTH, REGN'L MUN. OF19-731	PARKS DEPT., 125 BARTON ST. W. C/O 119 KING ST. W. 15TH FLOOR HAMILTON ON L8L 1A9	-/0.0	3.64	94
16	GEN	HAMILTON, CORPORATION OF THE CITY OF	125 BARTON ST. WEST MAIN SHOP - CITY COMPOUND HAMILTON ON L8L 1A9	-/0.0	3.64	94
16	GEN	City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	-/0.0	3.64	95
16	GEN	City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	-/0.0	3.64	96
16	GEN	HAMILTON-WENTWORTH, REGN'L MUN. OF	125 BARTON STREET WEST HAMILTON ON L8L 1A9	-/0.0	3.64	97
16	GEN	HAMILTON-WENTWORTH, REGN'L MUN. OF	REGIONAL WATER & SEWER MAINTENANCE 125 BARTON STREET WEST HAMILTON ON L8L 1A9	-/0.0	3.64	97
16	GEN	HAMILTON, CORPORATION OF THE CITY OF	MAIN SHOP - CITY COMPOUND 125 BARTON STREET WEST HAMILTON ON L8L 1A9	-/0.0	3.64	97
16	GEN	City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	-/0.0	3.64	98
16	GEN	City of Hamilton-Maintenace Compound	125 Barton St. W Hamilton ON L8L 1A9	-/0.0	3.64	99
16	NPCB	CITY OF HAMILTON	MAINTENANCE SHOP 125 BARTON ST W HAMILTON ON L8L 1A9	-/0.0	3.64	99
16	NPCB	CITY OF HAMILTON	125 BARTON ST WEST MAINTENANCE SHOP HAMILTON ON L8L 1A9	-/0.0	3.64	99
16	NPCB	CITY OF HAMILTON	MAINTENANCE SHOP; 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	-/0.0	3.64	10
16	OPCB	CITY OF HAMILTON	MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	-/0.0	3.64	100
16	OPCB	CITY OF HAMILTON	MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	-/0.0	3.64	101

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
16	OPCB	CITY OF HAMILTON	MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	-/0.0	3.64	101
16	OPCB	CITY OF HAMILTON	MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	-/0.0	3.64	101
16	OPCB	City Of Hamilton	125 Barton St West Maintenance Shop Hamilton ON L8L 1A9	-/0.0	3.64	101
16	OPCB	CITY OF HAMILTON	MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	-/0.0	3.64	102
16	OPCB	City Of Hamilton	125 Barton St West Maintenance Shop Hamilton ON L8L 1A9	-/0.0	3.64	102
16	OPCB	CITY OF HAMILTON	MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	-/0.0	3.64	102
16	REC	HAMILTON, CORPORATION OF THE CITY OF	MAINTENANCE SHOP 125 BARTON STREET WEST HAMILTON ON L8L 1A9	-/0.0	3.64	103
17	EHS		198 Barton Street West Hamilton ON L8R 2H4	-/0.0	0.79	103
17	EHS		198 Barton St W Hamilton ON L8R 2H4	-/0.0	0.79	103
17	EXP	DK'S GAS BAR INC O/A GAS STN	198 BARTON ST W AT HESS HAMILTON ON	-/0.0	0.79	104
17	EXP	DK'S GAS BAR INC O/A GAS STN	198 BARTON ST W AT HESS HAMILTON ON	-/0.0	0.79	104
17	EXP	DK'S GAS BAR INC O/A GAS STN	198 BARTON ST W AT HESS HAMILTON ON L8R 2H4	-/0.0	0.79	104
17	EXP	DK'S GAS BAR INC O/A GAS STN	198 BARTON ST W AT HESS HAMILTON ON	-/0.0	0.79	104
17	FST	DK'S GAS BAR INC O/A GAS STN	198 BARTON ST WAT HESS HAMILTON ON L8R 2H4	-/0.0	0.79	105
17	FST	DK'S GAS BAR INC O/A GAS STN	198 BARTON ST WAT HESS HAMILTON ON L8R 2H4	-/0.0	0.79	105
17	FST	DK'S GAS BAR INC O/A GAS STN	198 BARTON ST WAT HESS HAMILTON ON L8R 2H4	-/0.0	0.79	105
17	FST	DK'S GAS BAR INC O/A GAS STN	198 BARTON ST WAT HESS HAMILTON ON L8R 2H4	-/0.0	0.79	105
17	FST	DK'S GAS BAR INC O/A GAS STN	198 BARTON ST WAT HESS HAMILTON ON L8R 2H4	-/0.0	0.79	106
17	GEN	The Corporation of The City of Hamilton	198 Barton Street W Hamilton ON L8R 2H3	-/0.0	0.79	106

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
17	PRT		198 BARTON ST. W. HAMILTON ON	-/0.0	0.79	10
17	RST	SANDHU GAS & CO	198 BARTON ST W HAMILTON ON L8R 2H4	-/0.0	0.79	106
17	RST	SUNNY GAS CO	198 BARTON ST W HAMILTON ON L8R 2H4	-/0.0	0.79	107
17	RST	SANDHU GAS & CO	198 BARTON ST W HAMILTON ON L8R2H4	-/0.0	0.79	107
17	RST	SHANDU GAS CO	198 BARTON ST W HAMILTON ON L8R2H4	-/0.0	0.79	107
17	SPL	ESSO CHEMICAL	SUNNYS GAS BAR, 198 BARTON STREET W TANK TRUCK (CARGO) HAMILTON CITY ON L8R 2H4	-/0.0	0.79	10
18	GEN	BRANARD CORPORATION 05-793	175 STUART STREET P.O. BOX 423, DEPOT #1 HAMILTON ON L8L 7W2	-/0.0	-1.98	107
18	GEN	BRANARD CORPORATION(OUT OF BUS)	175 STUART STREET P.O. BOX 423, DEPOT #1 HAMILTON ON L8L 7W2	-/0.0	-1.98	108
19	CA	Joseph Varga	112 Barton St W Hamilton ON L8L 1A8	-/0.0	8.97	108
19	EBR	Joseph Varga	112 Barton Street West Hamilton ON L8L 1A8	-/0.0	8.97	108
19	ECA	Joseph Varga	112 Barton St W Hamilton ON L8L 1A8	-/0.0	8.97	109
20	BORE		ON	-/0.0	-1.44	109
21	CA	IMTREX COMMODITIES INC.	249 HESS ST. NORTH HAMILTON CITY ON L8R 2T7	-/0.0	-2.17	10
21	EHS		249 Hess Street N Hamilton ON L8R 2T7	-/0.0	-2.17	110
21	GEN	City of Hamilton	249 Hess Street North Hamilton ON L8R 2T7	-/0.0	-2.17	110
21	SPL		249 Hess Hamilton ON	-/0.0	-2.17	111
21	SPL	HAMILTON HYDRO & ENGINEERING D	249 HESS ST NORTH TRANSFORMER HAMILTON CITY ON L8R 2T7	-/0.0	-2.17	11
22	WWIS		ON	-/0.0	-2.27	111
23	SCT	M.C. OF CANADA	252 STUART ST HAMILTON ON L8R 3N7	-/0.0	-2.47	11

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
23	SCT	MC CANADA	252 Stuart St Hamilton ON L8R 3N7	-/0.0	-2.47	112

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
24	EHS		36 Tiffany St Hamilton ON	E/2.2	9.05	112
25	WWIS		HAMILTON ON	NNE/3.0	-2.28	113
26	SPL	HAMILTON HYDRO & ENGINEERING D	BARTON STREET, 2ND POLE WEST OF HESS ST. TRANSFORMER HAMILTON CITY ON	W/4.3	1.24	11
27	BORE		ON	NE/8.6	-1.49	115
28	EHS		Stuart Street Hamilton ON	NNW/9.3	-2.27	116
29	EHS		Stuart Street && Tiffany Street Hamilton ON	NE/11.8	-1.59	116
30	CA		Queen Street and Stuart Street Hamilton ON	NNW/14.5	-2.58	116
31	WWIS		Hamilton ON	SSW/14.6	3.13	116
32	BORE		ON	WSW/15.5	2.12	118
33	EHS		221 Barton St. W. & 217 Hess St. N. Hamilton ON	W/18.5	1.68	119
33	EHS		221 Barton St W & 217 Hess St N Hamilton ON	W/18.5	1.68	119
34	BORE		ON	W/18.5	1.23	119
35	CA	CANADIAN NATIONAL RAILWAY	241 STUART ST. (RAIL YARD) HAMILTON CITY ON L8R 2W6	NNW/19.0	-2.94	120
35	EBR	Canadian National Railway	241 Stuart Street City of Hamilton ON L8R 2W6	NNW/19.0	-2.94	121
35	EXP	C N R	241 STUART ST HAMILTON ON	NNW/19.0	-2.94	121
35	EXP	THE REGIONAL MUNICIPALITY OF HAMILTON WENTWORTH - TRANSPORTATION/ENVIRONMENTAL	241 STUART ST HAMILTON ON	NNW/19.0	-2.94	121
35	EXP	THE REGIONAL MUNICIPALITY OF HAMILTON WENTWORTH - TRANSPORTATION/ENVIRONMENTAL	241 STUART ST HAMILTON ON L8R 2W6	NNW/19.0	-2.94	121
35	GEN	TRANSPORT ROUTE CANADA INC. 38-285	ROUTE CANADA TERMINAL 241 STUART ST. HAMILTON ON L8R 2W6	NNW/19.0	-2.94	122
35	GEN	SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON	NNW/19.0	-2.94	122
35	GEN	CANADIAN NATIONAL RAILWAY	HAMILTON DIESEL SHOP 241 STUART STREET WEST HAMILTON ON L8R 3H2	NNW/19.0	-2.94	122
35	GEN	CN NORTH AMERICA	HAMILTON DIESEL SHOP 241 STUART STREET WEST HAMILTON ON L8R 2W6	NNW/19.0	-2.94	123

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
35	GEN	CANADIAN NATIONAL RAILWAY 08-156	HAMILTON DIESEL SHOP 241 STUART STREET WEST HAMILTON ON L8R 2W6	NNW/19.0	-2.94	123
35	GEN	SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON	NNW/19.0	-2.94	124
35	GEN	CN NORTH AMERICA 08-156	HAMILTON DIESEL SHOP 241 STUART STREET WEST HAMILTON ON L8R 2W6	NNW/19.0	-2.94	124
35	GEN	SOUTHERN ONTARIO RAILWAY	241 STUART STREET WEST HAMILTON ON L8R 2W6	NNW/19.0	-2.94	125
35	GEN	SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON	NNW/19.0	-2.94	125
35	GEN	City of Hamiltn	241 Stuart Street Hamilton ON L8R 2W6	NNW/19.0	-2.94	126
35	GEN	TRANSPORT ROUTE CANADA INC.	ROUTE CANADA TERMINAL 241 STUART ST. HAMILTON ON L8R 2W6	NNW/19.0	-2.94	126
35	GEN	HAMILTON-WENTWORTH, REGIONAL MUN. OF	241 STUART STREET HAMILTON ON L8R 2W6	NNW/19.0	-2.94	126
35	GEN	TRANSPORT ROUTE CANADA INC.	ROUTE CANADA TERMINAL 241 STUART STREET HAMILTON ON L8R 2W6	NNW/19.0	-2.94	127
35	GEN	SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON L8R 3H2	NNW/19.0	-2.94	127
35	GEN	Hamilton Police Services	241 Stuart Street Hamilton ON L8R 2W6	NNW/19.0	-2.94	128
35	GEN	SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON	NNW/19.0	-2.94	128
35	GEN	SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON L8R 3H2	NNW/19.0	-2.94	128
35	GEN	HAMILTON-WENTWORTH REGION	241 STUART STREET HAMILTON ON L8R 2W6	NNW/19.0	-2.94	129
35	NCPL	Canadian National Railways	241 Stuart S. N., Hamilton ON	NNW/19.0	-2.94	129
35	NPCB	REGIONAL MUN.OF HAMILTON - WENTWORTH	241 STUART STREET HAMILTON ON L8R 2W6	NNW/19.0	-2.94	130
35	NPCB	REGIONAL MUN. OF HAMILTON-WENTWORTH	241 STUART STREET HAMILTON ON L8R 2W6	NNW/19.0	-2.94	13
35	OPCB	REGIONAL MUN. OF HAMILTON-WENTWORTH	241 STUART STREET HAMILTON ON L8R 2W6	NNW/19.0	-2.94	130
35	OPCB	REGIONAL MUN. OF HAMILTON-WENTWORTH	241 STUART STREET HAMILTON ON L8R 2W6	NNW/19.0	-2.94	131
35	OPCB	REGIONAL MUN. OF HAMILTON-WENTWORTH	241 STUART STREET HAMILTON ON L8R 2W6	NNW/19.0	-2.94	131
35	OPCB	REGIONAL MUN. OF HAMILTON-WENTWORTH	241 STUART STREET HAMILTON ON L8R 2W6	NNW/19.0	-2.94	131
35	PRT	C N R	241 STUART ST HAMILTON ON L8R 2W6	NNW/19.0	-2.94	13
35	PTTW	Canadian National RailwayMacmillan Yard	241 Stuart Street City of Hamilton ON L8R 2W6	NNW/19.0	-2.94	131
35	REC	HAMILTON-WENTWORTH, THE REGIONAL MUN.OF	241 STUART STREET HAMILTON ON L8R 2W6	NNW/19.0	-2.94	132
35	SPL	CANADIAN NATIONAL RAILWAY	241 STEWART ST. W. HAMILTON YARD TRAIN HAMILTON CITY ON	NNW/19.0	-2.94	13

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
35	SPL	CANADIAN NATIONAL RAILWAY	241 STEWART ST. OUTFALL OF DRAIN AT NORTH END OF SITE HAMILTON YARD HAMILTON CITY ON	NNW/19.0	-2.94	13
35	SPL	CANADIAN NATIONAL RAILWAY	LAKE ONTARIO; HAMILTON HARBOUR - BASE OF STUART ST HAMILTON CITY ON	NNW/19.0	-2.94	13
36	GEN	CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	S/22.6	13.68	133
36	GEN	CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	S/22.6	13.68	134
36	GEN	CITY OF HAMILTON HFD Mechanical	177 BAY STREET NORTH HAMILTON ON L8R 2P8	S/22.6	13.68	134
36	GEN	CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	S/22.6	13.68	135
37	PES	OUTDOOR WORKS LTD	195 BARTON ST W HAMILTON ON L8R 2H3	WSW/28.2	2.60	135
38	EHS		Stuart Street btwn Hess St N and Bay St N Hamilton ON	NNE/35.4	-2.89	135
39	GEN	CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	SSE/38.9	14.78	136
39	GEN	CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	SSE/38.9	14.78	136
39	GEN	HAMILTON, CORP. OF THE CITY OF	MECHANICAL DIVISION 177 BAY STREET NORTH HAMILTON ON L8R 2P8	SSE/38.9	14.78	137
39	GEN	CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	SSE/38.9	14.78	137
39	GEN	CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON	SSE/38.9	14.78	138
39	GEN	HAMILTON, CITY OF	177 BAY ST N HAMILTON ON L8R 2P8	SSE/38.9	14.78	138
39	GEN	CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	SSE/38.9	14.78	139
39	GEN	HAMILTON, CITY OF	177 BAY ST. N. HAMILTON ON L8R 2P8	SSE/38.9	14.78	139
39	GEN	HAMILTON, CORPORATION OF THE CITY OF	177 BAY STREET NORTH HAMILTON ON L8R 2P8	SSE/38.9	14.78	139
39	GEN	HAMILTON, COR(OUT OF BUSINESS)ITY OF	177 BAY STREET NORTH HAMILTON ON L8R 2P8	SSE/38.9	14.78	140
39	GEN	CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	SSE/38.9	14.78	140
40	AUWR	WHITE STAR AUTO WRECKERS LTD	271 BAY ST N HAMILTON ON L8L 1M2	E/55.1	10.37	141
41	ANDR	Shaeffe & Bay Dump	Hamilton ON L8R 2E	S/55.7	12.02	14
42	WWIS		ON	SSW/58.5	9.64	141
43	WDSH		nr Shaeffe & Bay Sts. HAMILTON ON	S/64.1	11.89	142
44	CA	AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	WNW/65.7	-1.16	142
44	EBR	AVL Manufacturing Inc.	243 Queen Street Hamilton ON M9R 1S8	WNW/65.7	-1.16	143

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
44	EBR	AVL Manufacturing Inc.	243 Queen Street North Hamilton ON L8R 3N6	WNW/65.7	-1.16	143
44	ECA	AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	WNW/65.7	-1.16	143
44	GEN	STELCO STEEL	20 INCH MILL 243 QUEEN ST. N. HAMILTON ON L8N 3T1	WNW/65.7	-1.16	143
44	GEN	STELCO STEEL	20 INCH MILL 243 QUEEN ST. N., PO BOX 2030 HAMILTON ON L8R 3N6	WNW/65.7	-1.16	144
44	GEN	HAMILTON METAL WORKS INC.	243 QUEEN STREET NORTH HAMILTON ON L8R 3N6	WNW/65.7	-1.16	144
44	GEN	STELCO INC.	BOX 2030 20" MILL, QUEEN STREET HAMILTON ON L8N 3T1	WNW/65.7	-1.16	145
44	GEN	Orchid Automation Group Inc	243 Queen Street N Hamilton ON L8R 3N6	WNW/65.7	-1.16	145
44	GEN	STELCO STEEL 36-179	20 INCH MILL 243 QUEEN ST. N., PO BOX 2030 HAMILTON ON L8R 3N6	WNW/65.7	-1.16	145
44	GEN	AVL Manufacturing Inc.	243 Queen St N Hamilton ON	WNW/65.7	-1.16	146
44	GEN	AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	WNW/65.7	-1.16	146
44	GEN	AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	WNW/65.7	-1.16	147
44	GEN	AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	WNW/65.7	-1.16	148
44	GEN	Hamilton Metal Works	243 Queen St. North Hamilton ON L8R 3N6	WNW/65.7	-1.16	148
44	GEN	AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	WNW/65.7	-1.16	149
44	GEN	AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	WNW/65.7	-1.16	149
44	SCT	Dynamic Steel Inc.	243 Queen St N Hamilton ON L8R 3N6	WNW/65.7	-1.16	150
44	SCT	Hamilton Metal Works Inc.	243 Queen St N Hamilton ON L8R 3N6	WNW/65.7	-1.16	150
45	INC		194 BAY STREET NORTH, HAMILTON ON	SSE/68.0	14.37	151
46	EHS		Central Park Hamilton ON	SSW/79.1	11.04	152
47	PINC		15 WINDSOR DRIVE, HAMILTON ON	SW/81.7	6.42	152
47	SPL	Union Gas Limited	15 Windsor Drive Hamilton ON	SW/81.7	6.42	152
48	HINC		295 BAY STREET NORTH HAMILTON ON L8L 1M2	ENE/82.8	5.15	153
49	ECA	AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	WNW/85.9	-0.96	153
49	ECA	AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	WNW/85.9	-0.96	153
49	GEN	AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	WNW/85.9	-0.96	153

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
49	GEN	AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	WNW/85.9	-0.96	154
49	GEN	AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	WNW/85.9	-0.96	155
49	GEN	AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	WNW/85.9	-0.96	156
50	GEN	City of Hamilton	168 Bay Street North Hamilton ON	S/98.5	13.57	157
51	EHS		Barton St W & Queen St N Hamilton ON	W/99.3	2.90	157
51	SPL	UNKNOWN	NORTHWEST CORNER QUEEN & BARTON CN PROPERTY HAMILTON CITY ON	W/99.3	2.90	15
52	EHS		Stuart Street Hamilton ON	ENE/99.8	-0.23	157
53	GEN	WESTINGHOUSE CANADA INC.	ELEVATOR DIV. 28 HARRIET ST. HAMILTON ON L8R 2E4	SW/99.9	14.10	158
53	GEN	Schindler Elevator Corporation	28 Harriet St Hamilton ON L8R 2E4	SW/99.9	14.10	158
53	GEN	WESTINGHOUSE CANADA (SEE&USE ON0376806)	ELEVATOR DIVISION 28 HARRIETT STREET HAMILTON ON L8S 4L3	SW/99.9	14.10	158
53	GEN	SCHINDLER ELEVATOR CORPORATION	28 HARRIET STREET HAMILTON ON L8S 4L3	SW/99.9	14.10	159
53	GEN	WESTINGHOUSE(SEE&USE ON0376806) 42-286	ELEVATOR DIV. 28 HARRIET ST. HAMILTON ON L8R 2E4	SW/99.9	14.10	159
54	WWIS		Hamilton ON	E/100.8	9.72	159
55	SCT	SWIFT EQUIPMENT	236 Queen St N Hamilton ON L8R 2W3	W/103.7	3.63	161
55	SCT	Swift Devices Limited	236 Queen St N Hamilton ON L8R 2W3	W/103.7	3.63	16
56	BORE		ON	NW/104.0	-3.91	162
57	EHS		268 Bay St N Hamilton ON L8L1M4	E/105.8	9.72	163
58	SPL	South Ontario Railway<UNOFFICIAL>	Hamilton Yard (Bay and Stuart Street) Hamilton ON	ENE/123.3	2.86	163
59	SCT	Felton Brushes Limited	29 Harriet St Hamilton ON L8R 2E5	SW/124.5	13.80	16
60	BORE		ON	NE/124.5	-1.82	164
61	WWIS		Hamilton ON	ENE/125.7	-0.62	164
62	SPL	MOTOR VEHICLE	CORNER OF STEWART & BAY ST. MOTOR VEHICLE (OPERATING FLUID) HAMILTON CITY ON	ENE/126.5	2.86	166
63	WWIS		Hamilton ON	NNE/127.4	-3.86	166
64	EXP	SKYLIGHT WINDOW CLEANING	202 QUEEN ST N HAMILTON ON	WSW/129.4	9.75	168
64	EXP	SKYLIGHT WINDOW CLEANING	202 QUEEN ST N HAMILTON ON	WSW/129.4	9.75	168

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
64	PRT	SKYLIGHT WINDOW CLEANING	202 QUEEN ST N HAMILTON ON L8R2W3	WSW/129.4	9.75	16
65	PINC		20 MILL ST, MOREWOOD ON	SSW/133.2	13.78	169
65	PINC		20A MILL STREET, MOREWOOD ON	SSW/133.2	13.78	169
66	GEN	CYBERMEDIX HEALTH SERVICES LTD. 11-261	78 BARTON ST. W., HAMILTON C/O 6 VANSCO RD. TORONTO ON L8L 1A6	ESE/135.7	12.38	170
66	GEN	CYBERMEDIX HEALTH SERVICES LIMITED	78 BARTON STREET WEST HAMILTON ON L8L 1A6	ESE/135.7	12.38	170
66	GEN	CYBERMEDIX HEALTH SERVICES LTD.	78 BARTON ST. W., HAMILTON C/O 6 VANSCO RD. TORONTO ON L8L 1A6	ESE/135.7	12.38	170
67	GEN	HAMCO HEATING & COOLING LTD.	200 QUEEN STREET NORTH HAMILTON ON L8R 2W3	WSW/135.9	10.02	171
68	GEN	City of Hamilton	168 Bay Street North Hamilton ON L8R2P5	S/139.4	14.78	171
68	GEN	City of Hamilton	168 Bay Street North Hamilton ON L8R2P5	S/139.4	14.78	171
68	GEN	City of Hamilton	168 Bay Street North Hamilton ON L8R2P5	S/139.4	14.78	172
68	GEN	City of Hamilton	168 Bay Street North Hamilton ON L8R2P5	S/139.4	14.78	172
69	WWIS		Hamilton ON	E/141.0	9.48	172
70	BORE		ON	WNW/144.4	-0.54	174
71	GEN	HAMILTON-WENTWORTH R.C.S.S.B.(PCB)	90 MULBERRY RD. BOARD BUILDING C/O 57 STUART ST. HAMILTON ON L8R 2C8	SSE/148.1	13.78	175
71	GEN	HAMILTON-WENTWORTH C.D. SCHOOL BOARD	BOARD BUILDING 90 MULBERRY ROAD HAMILTON ON L8R 2C8	SSE/148.1	13.78	175
72	FST	AUTOMOTIVE MANAGER BELL CANADA	160 BAY ST N HAMILTON ON L8R 2P6	S/155.4	14.78	176
72	FSTH	AUTOMOTIVE MANAGER BELL CANADA	160 BAY ST N HAMILTON ON L8R 2P6	S/155.4	14.78	176
72	FSTH	AUTOMOTIVE MANAGER BELL CANADA	160 BAY ST N HAMILTON ON L8R 2P6	S/155.4	14.78	176
72	GEN	BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	S/155.4	14.78	176
72	GEN	BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	S/155.4	14.78	177
72	GEN	BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	S/155.4	14.78	178
72	GEN	BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	S/155.4	14.78	179
72	GEN	BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	S/155.4	14.78	180
72	GEN	BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	S/155.4	14.78	181
72	GEN	BELL CANADA	160 BAY STREET HAMILTON ON L8R 2P6	S/155.4	14.78	181

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
72	GEN	BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	S/155.4	14.78	182
72	GEN	BELL CANADA	160 BAY STREET NORTH HAMILTON ON	S/155.4	14.78	183
72	GEN	BELL CANADA	160 BAY STREET HAMILTON ON L8R 2P6	S/155.4	14.78	184
72	GEN	BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	S/155.4	14.78	184
72	GEN	BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	S/155.4	14.78	185
72	PRT	AUTOMOTIVE MANAGER BELL CANADA	160 BAY ST N HAMILTON ON L8R 2P6	S/155.4	14.78	18
73	CA	R.M. OF HAMILTON-WENTWORTH	HARRIET ST./HESS ST. N. HAMILTON ON	SW/155.7	13.95	18
74	CA		195 Hess Street North Hamilton ON L8R 2T1	SW/158.2	8.22	186
74	EBR	Hess Auto Body Limited	195 Hess Street North HAMILTON ON L8R 2T1	SW/158.2	8.22	187
74	ECA	Hess Auto Body Limited	195 Hess St N Hamilton ON L8R 2T1	SW/158.2	8.22	187
75	WWIS		ON	WSW/163.1	8.19	187
76	GEN	Mayer Choong Medicine Professional	20 Railway St Hamilton ON L8R2R3	S/170.0	14.61	188
76	GEN	Mayer Choong Medicine Professional	20 Railway St Hamilton ON L8R2R3	S/170.0	14.61	188
77	SPL		at 13 Greig St Hamilton ON L8R 2W8	W/171.5	9.60	188
78	EHS		Stuart St Hess St N Hamilton ON L8R 3N6	NW/172.0	-3.15	189
79	SPL		219 Queen Street North<UNOFFICIAL> Hamilton ON L8R 2W2	W/175.8	9.90	189
80	GEN	HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8R 1B5	E/176.9	6.51	189
80	GEN	HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8R 1B5	E/176.9	6.51	190
80	GEN	HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8R 1B5	E/176.9	6.51	191
80	GEN	HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8R 1B5	E/176.9	6.51	191
80	GEN	HAMILTON-WENTWORTH SEPARATE S.B. 19-190	PLANT OPERATIONS BUILDING 57 STUART ST. HAMILTON ON L8L 1B5	E/176.9	6.51	192
80	GEN	HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8L 1B5	E/176.9	6.51	192
80	GEN	HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8L 1B5	E/176.9	6.51	193
80	GEN	HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON	E/176.9	6.51	194

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
80	GEN	HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8L 1B5	E/176.9	6.51	194
80	GEN	HAMILTON-WENTWORTH R.C.S. SCHOOL BOARD	PLANT OPERATIONS 57 STUART STREET HAMILTON ON L8R 1B5	E/176.9	6.51	195
80	GEN	HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8L 1B5	E/176.9	6.51	195
80	GEN	HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8L 1B5	E/176.9	6.51	196
80	GEN	HAMILTON-WENTWORTH SEPARATE S.B.	PLANT OPERATIONS BUILDING 57 STUART ST. HAMILTON ON L8L 1B5	E/176.9	6.51	196
80	NPCB	HAMILTON -WENTWORTH R.C. SEP. SCHOOL BRD	57 STUART STREET HAMILTON ON L8L 1B5	E/176.9	6.51	19
80	NPCB	HAMILTON - WENTWORTH R.C. SEP. SCHOOL BRD	57 STUART STREET HAMILTON ON L8L 1B5	E/176.9	6.51	197
80	OPCB	HAMILTON WENTWORTH SEPERATE SCHOOL BOARD	57 STUART STREET HAMILTON ON L8L 1B5	E/176.9	6.51	19
80	OPCB	HAMILTON -WENTWORTH R.C. SEP. SCHOOL BRD	57 STUART STREET HAMILTON ON L8L 1B5	E/176.9	6.51	197
80	OPCB	HAMILTON -WENTWORTH R.C. SEP. SCHOOL BRD	57 STUART STREET HAMILTON ON L8L 1B5	E/176.9	6.51	198
80	OPCB	HAMILTON -WENTWORTH R.C. SEP. SCHOOL BRD	57 STUART STREET HAMILTON ON L8L 1B5	E/176.9	6.51	198
80	OPCB	HAMILTON -WENTWORTH R.C. SEP. SCHOOL BRD	57 STUART STREET HAMILTON ON L8L 1B5	E/176.9	6.51	198
80	REC	HAMILTON-WENTWORHT R.C.S. SCHOOL BOARD	57 STUART STREET HAMILTON ON L8L 1B5	E/176.9	6.51	199
81	ECA	Canadian National Railway Company	241 Stuart St Parking Lot Hamilton ON H3B 2M9	NW/183.3	-3.21	199
81	EXP	THE REGIONAL MUNICIPALITY OF HAMILTON WENTWORTH - TRANSPORTATION/ENVIRONMENTAL	241 STUART ST HAMILTON ON L8R 2W6	NW/183.3	-3.21	199
81	GEN	SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON L8R 3H2	NW/183.3	-3.21	200
81	GEN	SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON L8R 3H2	NW/183.3	-3.21	200
81	GEN	SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON L8R 3H2	NW/183.3	-3.21	201
81	GEN	SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON L8R 3H2	NW/183.3	-3.21	201
82	BORE		ON	NE/187.1	1.38	202
83	INC		16 Railway Street, Hamilton ON	S/187.2	14.46	203
84	BORE		ON	E/187.7	10.42	204
85	EHS		203 Queen Street North Hamilton Wentworth Reg Municipality ON L8R 2W2	WSW/188.0	11.91	204
85	SCT	Ribesa Tool & Die Company Ltd.	203 Queen St N Hamilton ON L8R 2W2	WSW/188.0	11.91	20

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
86	SPL		27 Mill St, Waterdown Hamilton ON L8R 2E2	SSW/188.1	13.78	205
87	EHS		50 Murray Street West Hamilton ON L8L 1B3	E/188.7	10.00	205
88	INC		220 Park Street North, Hamilton ON	ESE/193.6	12.78	205
89	GEN	GUPM Construction Mgrs.	50 Murray St.West Hamilton ON	E/195.3	9.24	206
89	RSC	Mission Services of Hamilton Inc.	50 MURRAY ST W, HAMILTON, ON, L8L 1B3 ON L8L 1B3	E/195.3	9.24	206
90	BORE		ON	NW/198.6	-3.75	207
91	WWIS		Hamilton ON	ENE/199.0	3.76	208
92	WWIS		ON	SSE/200.5	14.04	209
93	ECA	Lockwood Motors Limited	154 Cannon Street East Hamilton ON L8R 1G1	SSW/201.5	13.78	210
94	EXP	1195609 ONTARIO LTD R WILSON TRUCKING	136 CANNON ST W HAMILTON ON	S/205.5	13.82	210
94	EXP	CRESCENT FUELS LIMITED	136 CANNON ST W HAMILTON ON	S/205.5	13.82	210
94	EXP	CRESCENT FUELS LIMITED	136 CANNON ST W HAMILTON ON	S/205.5	13.82	211
94	EXP	FISHER DISTRIBUTION	136 CANNON ST W HAMILTON ON	S/205.5	13.82	211
94	GEN	Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON	S/205.5	13.82	211
94	RST	FUELS INC	136 CANNON ST W HAMILTON ON L8R2B9	S/205.5	13.82	212
95	CA	CANADIAN NATIONAL RAILWAY	STUART STREET YARD HAMILTON ON	NW/206.9	-4.24	21
95	SPL	CANADIAN NATIONAL RAILWAY	CN RAIL YARD,STEWART STREET. MOTOR VEHICLE (OPERATING FLUID) HAMILTON CITY ON	NW/206.9	-4.24	21
95	SPL	CANADIAN NATIONAL RAILWAY	C.N. TANKER PARKED AT THE STEWART YARD TRAIN HAMILTON CITY ON	NW/206.9	-4.24	21
95	SPL	CANADIAN NATIONAL RAILWAY	TRACK #4 AT STUART ST. YARD TRAIN HAMILTON CITY ON	NW/206.9	-4.24	21
96	CA	R.M. OF HAMILTON-WENTWORTH	MURRAY ST/MACNAB ST/PARK ST. HAMILTON ON	E/208.6	10.12	21
97	BORE		ON	SSW/211.2	13.78	213
98	WWIS		lot 16 con 2 HAMILTON ON	S/214.2	14.78	214
99	WWIS		lot 15 con 2 HAMILTON ON	SSE/214.9	13.78	216
100	BORE		ON	W/217.8	13.63	219
100	BORE		ON	W/217.8	13.63	219

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
101	BORE		ON	NE/219.2	-2.33	220
102	GEN	Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	SSW/221.4	13.78	221
102	GEN	Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	SSW/221.4	13.78	221
102	GEN	Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	SSW/221.4	13.78	221
102	GEN	Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	SSW/221.4	13.78	222
102	GEN	Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	SSW/221.4	13.78	222
102	GEN	CRESCENT OIL CO. OF CANADA LTD.	136 CANNON ST. WEST HAMILTON ON L8R 2B9	SSW/221.4	13.78	222
102	GEN	Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	SSW/221.4	13.78	223
102	GEN	Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	SSW/221.4	13.78	223
102	GEN	Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	SSW/221.4	13.78	224
102	GEN	CRESCENT OIL CO. OF CANADA LTD.	136 CANNON STREET WEST HAMILTON ON L8R 2B9	SSW/221.4	13.78	224
102	GEN	CRESCENT OIL CO. OF CANADA LTD. 11-312	136 CANNON ST. WEST HAMILTON ON L8R 2B9	SSW/221.4	13.78	224
102	GEN	CRESCENT OIL COMPANY OF CANADA LIMITED	136 CANNON STREET WEST HAMILTON ON L8R 2B9	SSW/221.4	13.78	225
102	RST	FUELS	136 CANNON ST W HAMILTON ON L8R 2B9	SSW/221.4	13.78	225
102	SCT	Crescent Oil Co. of Canada Ltd	136 Cannon St W Hamilton ON L8R 2B9	SSW/221.4	13.78	22
102	SCT	Crescent Oil Co. of Canada Ltd.	136 Cannon St W Hamilton ON L8R 2B9	SSW/221.4	13.78	225
102	SPL	CRESCENT OIL CO. OF CANADA LTD	136 CANNON STREET WEST, AT THE LOADING DOCKS ON RAILWAY STREET AT THE SIDE TANK TRUCK (CARGO) HAMILTON CITY ON L8R 2B9	SSW/221.4	13.78	22
103	EHS		141 Park Street North Hamilton ON L8R 2N4	SSE/222.1	13.78	226
103	EHS		141 Park St North Hamilton ON L8R 2N4	SSE/222.1	13.78	226
103	EHS		141 Park Street North Hamilton ON L8R 2N4	SSE/222.1	13.78	226
103	EHS		141 Park Street North Hamilton ON L8R 2N4	SSE/222.1	13.78	227
104	BORE		ON	NE/228.3	0.45	227
105	BORE		ON	S/228.4	14.78	227
106	EHS		Harbour Front Drive Hamilton ON	NE/230.3	-3.32	228
107	BORE		ON	NE/233.1	-2.24	228

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
108	GEN	HAMILTON AUTO SUPPLY LTD. 20-343	127 BAY ST. NORTH HAMILTON ON L8R 2P5	S/233.5	14.78	229
108	GEN	HAMILTON AUTO SUPPLY LTD.	127 BAY ST. NORTH HAMILTON ON L8R 2P5	S/233.5	14.78	229
109	BORE		ON	NE/233.8	4.02	229
110	BORE		ON	NNE/234.7	-6.22	230
111	WWIS		HAMILTON ON	SSE/239.8	13.78	231
111	WWIS		HAMILTON ON	SSE/239.8	13.78	232
112	SPL	PRIVATE OWNER	SOUTH SIDE OF LITTLE GREG ST/QUEEN ST NORTH, NEAR PARKING ENTRANCE. MOTOR VEHICLE (OPERATING FLUID) HAMILTON CITY ON	WSW/240.9	13.78	23
113	BORE		ON	N/241.2	-5.49	234
114	BORE		ON	NE/242.3	-0.46	234
115	BORE		ON	N/243.3	-6.22	235
116	GEN	CANADIAN IRON & METAL CO.	94 CANNON STREET WEST HAMILTON ON L8R 2B6	S/246.1	14.78	235
116	GEN	CANADIAN IRON & METAL CO. 08-208	94 CANNON STREET WEST HAMILTON ON L8R 2B6	S/246.1	14.78	236
116	SCT	Impressive Printing Inc.	94 Cannon St W Unit 1 Hamilton ON L8R 2B6	S/246.1	14.78	236
117	GEN	Union Gas Limited	133 Park Street North Hamilton ON L8R 2N4	SSE/246.9	13.92	236
117	GEN	Union Gas Limited	133 Park Street North Hamilton ON L8R 2N4	SSE/246.9	13.92	236
117	GEN	Union Gas Limited	133 Park Street North Hamilton ON L8R 2N4	SSE/246.9	13.92	237
118	EHS		41 Stuart Street Hamilton ON L8L 1B5	E/247.2	6.08	237
119	EHS		41 Stuart Street Hamilton ON L8L 1B5	E/248.1	5.15	237
119	EHS		41 Stuart St Hamilton ON L8L1B5	E/248.1	5.15	238
120	GEN	Union Gas Limited	133 Park Street North Hamilton ON	SSE/248.2	13.78	238
121	SPL	CANADIAN NATIONAL RAILWAY	20 STEWART ST, CNR YARD. TANK TRUCK (CARGO) HAMILTON CITY ON	E/248.6	2.06	23
122	BORE		ON	E/248.8	3.10	239
123	BORE		ON	ESE/248.9	10.75	239
124	CA	R.M. OF HAMILTON-WENTWORTH	MURRAY ST.W/BAY ST.N/JAMES ST. HAMILTON ON	E/250.5	8.98	24
125	BORE		ON	SSW/251.9	13.78	241

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
126	BORE		ON	N/252.0	-6.29	241
127	PINC		139 PARK ST N, HAMILTON ON	SSE/253.4	13.78	242
127	SPL	Union Gas Limited	139 Park St. North Hamilton ON	SSE/253.4	13.78	242
128	GEN	Hamilton-Wentworth District School Board	Hess Street Elementary 107 Hess Street North Hamilton ON L8R 2T1	SW/255.1	11.63	242
128	GEN	Hamilton-Wentworth District School Board	Hess Street Elementary 107 Hess Street North Hamilton ON L8R 2T1	SW/255.1	11.63	243
128	GEN	Hamilton-Wentworth District School Board	Hess Street Elementary 107 Hess Street North Hamilton ON L8R 2T1	SW/255.1	11.63	243
128	GEN	Hamilton-Wentworth District School Board	Hess Street Elementary 107 Hess Street North Hamilton ON L8R 2T1	SW/255.1	11.63	243
129	WWIS		ON	E/255.4	3.97	244
130	SPL	UNKNOWN	STRACHAN ST. WEST/WEST OF BAY ST. HAMILTON CITY ON	ENE/256.6	6.02	24
131	GEN	HAMILTON COMMERCIAL PRINTERS INC.	295 MacNAB STREET, NORTH HAMILTON ON L8L 1K5	E/265.2	5.61	245
131	GEN	HAMILTON COMMERCIAL PRINTERS INC.	295 MacNAB STREET, NORTH HAMILTON ON L8L 1K5	E/265.2	5.61	245
131	GEN	HAMILTON COMMERCIAL PRINTERS INC.	295 MacNAB STREET, NORTH HAMILTON ON L8L 1K5	E/265.2	5.61	245
131	GEN	HAMILTON COMMERCIAL PRINTERS INC.	295 MacNAB STREET, NORTH HAMILTON ON	E/265.2	5.61	245
131	SCT	Design Print & Litho Inc.	295 MacNab St N Hamilton ON L8L 1K5	E/265.2	5.61	246
132	BORE		ON	N/265.9	-3.82	246
133	BORE		ON	NNW/266.4	-4.52	247
134	BORE		ON	WNW/267.7	-4.13	247
135	GEN	Union Gas Limited	133 Park Street North Hamilton ON L8R 2N4	SSE/267.8	13.78	248
136	BORE		ON	S/268.0	14.78	248
137	BORE		ON	NE/269.2	-0.24	249
138	WWIS		Hamilton ON	SSE/269.8	14.52	249
139	BORE		ON	N/270.1	-2.62	251
140	BORE		ON	NNE/270.5	-5.94	252
141	WWIS		Hamilton ON	SSE/272.4	13.78	252
142	CA	R.M. OF HAMILTON-WENTWORTH-PT.LOT 15/C-1	MCNAB ST./BARTON ST./STUART ST HAMILTON CITY ON	E/274.9	8.78	25

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
143	EXP	OLCO PETROLEUM GROUP ULC ATTN LORI WARE	74 CANNON ST W HAMILTON ON L8R 2B6	SSE/278.2	13.78	254
143	EXP	OLCO PETROLEUM GROUP ULC ATTN LORI WARE	74 CANNON ST W HAMILTON ON L8R 2B6	SSE/278.2	13.78	254
143	EXP	OLCO PETROLEUM GROUP ULC ATTN LORI WARE	74 CANNON ST W HAMILTON ON	SSE/278.2	13.78	255
143	EXP	OLCO PETROLEUM GROUP ULC ATTN LORI WARE	74 CANNON ST W HAMILTON ON L8R 2B6	SSE/278.2	13.78	255
143	EXP	OLCO PETROLEUM GROUP ULC ATTN LORI WARE	74 CANNON ST W HAMILTON ON	SSE/278.2	13.78	255
143	EXP	OLCO PETROLEUM GROUP ULC ATTN LORI WARE	74 CANNON ST W HAMILTON ON L8R 2B6	SSE/278.2	13.78	255
143	EXP	OLCO PETROLEUM GROUP ULC ATTN LORI WARE	74 CANNON ST W HAMILTON ON	SSE/278.2	13.78	256
143	GEN	Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	SSE/278.2	13.78	256
143	GEN	Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	SSE/278.2	13.78	256
143	GEN	Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	SSE/278.2	13.78	257
143	GEN	Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	SSE/278.2	13.78	257
143	GEN	Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	SSE/278.2	13.78	257
143	GEN	Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	SSE/278.2	13.78	258
143	GEN	Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	SSE/278.2	13.78	258
143	GEN	Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	SSE/278.2	13.78	258
143	GEN	Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	SSE/278.2	13.78	259
143	GEN	Shell Canada Products	74 Cannon Street West Hamilton ON	SSE/278.2	13.78	259
143	PRT	OLCO PETROLEUM GROUP INC ATTN LORI WARE	74 CANNON ST W HAMILTON ON L8R 2B6	SSE/278.2	13.78	25
143	SPL	OLCO	OLCO SERVICE STN(OWNED BY SHELL) 74 CANNON ST. SERVICE STATION HAMILTON CITY ON	SSE/278.2	13.78	25
144	SPL		200 Harbour Front Dr Hamilton ON	NNE/278.4	-6.22	260
145	WWIS		ON	WNW/278.7	-2.73	260
146	WWIS		Hamilton ON	E/279.4	-0.64	261
147	BORE		ON	NE/281.1	-0.25	262
148	EHS		144 Queen Street North Hamilton ON L8R 2V9	SW/281.7	11.79	263
148	GEN	NATIONAL PAPER GOODS	144 QUEEN STREET NORTH HAMILTON ON L8N 4E1	SW/281.7	11.79	263
148	GEN	Frost Insulated Panel and Door Systems Inc	144 Queen St N Hamilton ON L8R 2V9	SW/281.7	11.79	264

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
148	GEN	NATIONAL PAPER GOODS LTD	144 QUEEN ST. N.- HESS ST.N. P.O. BOX 339 HAMILTON ON L8R 2V9	SW/281.7	11.79	264
148	GEN	NATIONAL PAPER GOODS LTD 28-042	144 QUEEN ST. N. HAMILTON ON L8R 2V9	SW/281.7	11.79	264
148	GEN	NATIONAL PAPER GOODS	144 Queen St. N Hamilton ON L8R 2V9	SW/281.7	11.79	265
148	GEN	Supremex Inc.	144 Queen St. N Hamilton ON L8R 2V9	SW/281.7	11.79	266
148	GEN	NATIONAL PAPER GOODS LTD	144 QUEEN ST. N. P.O. BOX 339 HAMILTON ON L8R 2V9	SW/281.7	11.79	266
148	GEN	Frost Insulated Panel and Door Systems Inc	144 Queen St N Hamilton ON L8R 2V9	SW/281.7	11.79	267
148	SCT	Envocorp Inc. - National Paper Goods Division	144 Queen St N Hamilton ON L8R 2V9	SW/281.7	11.79	267
148	SCT	npg Envelope Inc.	144 Queen St N Hamilton ON L8R 2V9	SW/281.7	11.79	267
148	SCT	ENVOCORP INC.	144 QUEEN ST N HAMILTON ON L8R 2V9	SW/281.7	11.79	26
149	GEN	Hamilton-Wentworth R.C.S. School Board	St.MaryElementary-209 MacNab St.N. Hamilton ON L8R 2M5	SE/282.8	11.79	268
149	GEN	Hamilton Wentworth Catholic District School Board	209 MacNab St N Hamilton ON	SE/282.8	11.79	268
149	GEN	HAMILTON-WENTWORTH R.C.S.S.B.(PCB)	ST.MARY'S 209 MACNAB STREET NORTH HAMILTON ON L8R 2M5	SE/282.8	11.79	268
149	GEN	HAMILTON-WENTWORTH R.C.S. SCHOOL BOARD	ST.MARY'S 209 MACNAB STREET NORTH HAMILTON ON	SE/282.8	11.79	269
149	SCT	CCSO Bread of Life Renewal	209 MacNab St N Hamilton ON L8R 2M5	SE/282.8	11.79	269
149	SCT	C.C.S.O. BREAD OF LIFE RENEWAL	209 MACNAB ST N HAMILTON ON L8R 2M5	SE/282.8	11.79	269
150	BORE		ON	WNW/283.6	-2.09	269
151	BORE		ON	NE/285.3	2.78	270
152	BORE		ON	NE/285.6	3.93	271
153	WWIS		ON	SSW/285.9	13.21	271
154	BORE		ON	NE/286.1	-2.80	273
155	BORE		ON	NE/286.1	1.11	274
155	BORE		ON	NE/286.1	1.11	275
156	BORE		ON	NNE/286.5	-6.22	275
157	BORE		ON	W/287.1	14.85	276
158	BORE		ON	N/287.8	-3.19	277

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159	BORE		ON	N/288.4	-2.64	277
160	BORE		ON	N/291.7	-1.30	278
161	BORE		ON	N/299.2	-1.15	278
162	CA	R.M. OF HAMILTON-WENTWORTH	MCNAB ST./COLBOURNE ST. HAMILTON CITY ON	SE/299.9	10.68	27

Executive Summary: Summary By Data Source

ANDR - Anderson's Waste Disposal Sites

A search of the ANDR database, dated 1860s-Present has found that there are 1 ANDR site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Shaeffe & Bay Dump	Hamilton ON L8R 2E	55.7	41

AUWR - Automobile Wrecking & Supplies

A search of the AUWR database, dated 1999-May 2017 has found that there are 2 AUWR site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
B & M METAL RECYCLING	228 HESS ST N HAMILTON ON L8R 2T6	0.0	15
WHITE STAR AUTO WRECKERS LTD	271 BAY ST N HAMILTON ON L8L 1M2	55.1	40

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 51 BORE site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	0.0	6
	ON	0.0	8
	ON	0.0	9
	ON	0.0	12
	ON	0.0	14
	ON	0.0	20
	ON	8.6	27
	ON	15.5	32

Site	Address	Distance (m)	Map Key
	ON	18.5	34
	ON	104.0	56
	ON	124.5	60
	ON	144.4	70
	ON	187.1	82
	ON	187.7	84
	ON	198.6	90
	ON	211.2	97
	ON	217.8	100
	ON	217.8	100
	ON	219.2	101
	ON	228.3	104
	ON	228.4	105
	ON	233.1	107
	ON	233.8	109
	ON	234.7	110
	ON	241.2	113
	ON	242.3	114
	ON	243.3	115
	ON	248.8	122
	ON	248.9	123
	ON	251.9	125
	ON	252.0	126

Site	Address	Distance (m)	Map Key
	ON	265.9	132
	ON	266.4	133
	ON	267.7	134
	ON	268.0	136
	ON	269.2	137
	ON	270.1	139
	ON	270.5	140
	ON	281.1	147
	ON	283.6	150
	ON	285.3	151
	ON	285.6	152
	ON	286.1	154
	ON	286.1	155
	ON	286.1	155
	ON	286.5	156
	ON	287.1	157
	ON	287.8	158
	ON	288.4	159
	ON	291.7	160
	ON	299.2	161

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 21 CA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
687224 Ontario Inc.	239 Caroline Street North Hamilton ON L8R 2S3	0.0	1
CAN AM PLASTICS NA INC.	259 CAROLINE STREET NORTH HAMILTON CITY ON	0.0	2
RHEEM CANADA LIMITED	128 BARTON STREET WEST HAMILTON CITY ON	0.0	5
RHEEM CANADA LTD.	128 BARTON STREET WEST HAMILTON CITY ON	0.0	5
RHEEM CANADA LIMITED	128 BARTON STREET WEST HAMILTON CITY ON	0.0	5
	128 Barton Street Hamilton ON	0.0	5
Rheem Canada Ltd.	128 Barton Street Hamilton ON	0.0	5
Thomas S Loth	182 Barton St W Hamilton ON L8R 2H4	0.0	10
687224 Ontario Inc.	228 Hess Street North Hamilton ON L8R 2T6	0.0	15
Joseph Varga	112 Barton St W Hamilton ON L8L 1A8	0.0	19
IMTREX COMMODITIES INC.	249 HESS ST. NORTH HAMILTON CITY ON L8R 2T7	0.0	21
	Queen Street and Stuart Street Hamilton ON	14.5	30
CANADIAN NATIONAL RAILWAY	241 STUART ST. (RAIL YARD) HAMILTON CITY ON L8R 2W6	19.0	35
AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	65.7	44
R.M. OF HAMILTON-WENTWORTH	HARRIET ST./HESS ST. N. HAMILTON ON	155.7	73
	195 Hess Street North Hamilton ON L8R 2T1	158.2	74
CANADIAN NATIONAL RAILWAY	STUART STREET YARD HAMILTON ON	206.9	95
R.M. OF HAMILTON-WENTWORTH	MURRAY ST/MACNAB ST/PARK ST. HAMILTON ON	208.6	96
R.M. OF HAMILTON-WENTWORTH	MURRAY ST.W/BAY ST.N/JAMES ST. HAMILTON ON	250.5	124
R.M. OF HAMILTON-WENTWORTH-PT.LOT 15/C-1	MCNAB ST./BARTON ST./STUART ST HAMILTON CITY ON	274.9	142
R.M. OF HAMILTON-WENTWORTH	MCNAB ST./COLBOURNE ST. HAMILTON CITY ON	299.9	162

EBR - Environmental Registry

A search of the EBR database, dated 1994-Jul 2017 has found that there are 10 EBR site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
687224 Ontario Inc.	239 Caroline Street North HAMILTON ON L8R 2S3	0.0	1
687224 Ontario IncB&M Metal Recycling	239 CAROLINE STREET NORTH City of Hamilton ON L8R 2S3	0.0	1
Rheem Canada Limited	128 Barton Street Hamilton ON L8R 2H2	0.0	5
Thomas Loth	182 Barton Street West Hamilton ON L8R 2H4	0.0	10
687224 Ontario Inc.	228 Hess Street North Hamilton ON L8R 2T6	0.0	15
Joseph Varga	112 Barton Street West Hamilton ON L8L 1A8	0.0	19
Canadian National Railway	241 Stuart Street City of Hamilton ON L8R 2W6	19.0	35
AVL Manufacturing Inc.	243 Queen Street Hamilton ON M9R 1S8	65.7	44
AVL Manufacturing Inc.	243 Queen Street North Hamilton ON L8R 3N6	65.7	44
Hess Auto Body Limited	195 Hess Street North HAMILTON ON L8R 2T1	158.2	74

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Mar 2017 has found that there are 12 ECA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
687224 Ontario Inc.	239 Caroline Street North Hamilton ON L8R 2T6	0.0	1
Rheem Canada Limited	128 Barton Street Hamilton ON L8R 2H2	0.0	5
Rheem Canada Ltd.	128 Barton Street Hamilton ON L8R 2H2	0.0	5
Thomas S Loth	182 Barton St W Hamilton ON L8R 2H4	0.0	10
687224 Ontario Inc.	228 Hess Street North Hamilton ON L8R 2T6	0.0	15
Joseph Varga	112 Barton St W Hamilton ON L8L 1A8	0.0	19
AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	65.7	44
AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	85.9	49

Site	Address	Distance (m)	Map Key
AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	85.9	49
Hess Auto Body Limited	195 Hess St N Hamilton ON L8R 2T1	158.2	74
Canadian National Railway Company	241 Stuart St Parking Lot Hamilton ON H3B 2M9	183.3	81
Lockwood Motors Limited	154 Cannon Street East Hamilton ON L8R 1G1	201.5	93

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2016 has found that there are 28 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	Stuart St Hamilton ON	0.0	3
	128 Barton Street West Hamilton ON	0.0	5
	288 Hess Street North Hamilton ON L8R 2T6	0.0	13
	198 Barton Street West Hamilton ON L8R 2H4	0.0	17
	198 Barton St W Hamilton ON L8R 2H4	0.0	17
	249 Hess Street N Hamilton ON L8R 2T7	0.0	21
	36 Tiffany St Hamilton ON	2.2	24
	Stuart Street Hamilton ON	9.3	28
	Stuart Street && Tiffany Street Hamilton ON	11.8	29
	221 Barton St. W. & 217 Hess St. N. Hamilton ON	18.5	33
	221 Barton St W & 217 Hess St N Hamilton ON	18.5	33
	Stuart Street btwn Hess St N and Bay St N Hamilton ON	35.4	38
	Central Park Hamilton ON	79.1	46
	Barton St W & Queen St N Hamilton ON	99.3	51
	Stuart Street Hamilton ON	99.8	52

Site	Address	Distance (m)	Map Key
	268 Bay St N Hamilton ON L8L1M4	105.8	57
	Stuart St Hess St N Hamilton ON L8R 3N6	172.0	78
	203 Queen Street North Hamilton Wentworth Reg Municipality ON L8R 2W2	188.0	85
	50 Murray Street West Hamilton ON L8L 1B3	188.7	87
	141 Park Street North Hamilton ON L8R 2N4	222.1	103
	141 Park Street North Hamilton ON L8R 2N4	222.1	103
	141 Park St North Hamilton ON L8R 2N4	222.1	103
	141 Park Street North Hamilton ON L8R 2N4	222.1	103
	Harbour Front Drive Hamilton ON	230.3	106
	41 Stuart Street Hamilton ON L8L 1B5	247.2	118
	41 Stuart St Hamilton ON L8L1B5	248.1	119
	41 Stuart Street Hamilton ON L8L 1B5	248.1	119
	144 Queen Street North Hamilton ON L8R 2V9	281.7	148

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Feb 28, 2017 has found that there are 21 EXP site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
DK'S GAS BAR INC O/A GAS STN	198 BARTON ST W AT HESS HAMILTON ON	0.0	17
DK'S GAS BAR INC O/A GAS STN	198 BARTON ST W AT HESS HAMILTON ON L8R 2H4	0.0	17
DK'S GAS BAR INC O/A GAS STN	198 BARTON ST W AT HESS HAMILTON ON	0.0	17
DK'S GAS BAR INC O/A GAS STN	198 BARTON ST W AT HESS HAMILTON ON	0.0	17
C N R	241 STUART ST HAMILTON ON	19.0	35
THE REGIONAL MUNICIPALITY OF HAMILTON WENTWORTH - TRANSPORTATION/ENVIRONMENTAL	241 STUART ST HAMILTON ON	19.0	35

Site	Address	Distance (m)	Map Key
THE REGIONAL MUNICIPALITY OF HAMILTON WENTWORTH - TRANSPORTATION/ENVIRONMENTAL	241 STUART ST HAMILTON ON L8R 2W6	19.0	35
SKYLIGHT WINDOW CLEANING	202 QUEEN ST N HAMILTON ON	129.4	64
SKYLIGHT WINDOW CLEANING	202 QUEEN ST N HAMILTON ON	129.4	64
THE REGIONAL MUNICIPALITY OF HAMILTON WENTWORTH - TRANSPORTATION/ENVIRONMENTAL	241 STUART ST HAMILTON ON L8R 2W6	183.3	81
FISHER DISTRIBUTION	136 CANNON ST W HAMILTON ON	205.5	94
CRESCENT FUELS LIMITED	136 CANNON ST W HAMILTON ON	205.5	94
CRESCENT FUELS LIMITED	136 CANNON ST W HAMILTON ON	205.5	94
1195609 ONTARIO LTD R WILSON TRUCKING	136 CANNON ST W HAMILTON ON	205.5	94
OLCO PETROLEUM GROUP ULC ATTN LORI WARE	74 CANNON ST W HAMILTON ON	278.2	143
OLCO PETROLEUM GROUP ULC ATTN LORI WARE	74 CANNON ST W HAMILTON ON L8R 2B6	278.2	143
OLCO PETROLEUM GROUP ULC ATTN LORI WARE	74 CANNON ST W HAMILTON ON	278.2	143
OLCO PETROLEUM GROUP ULC ATTN LORI WARE	74 CANNON ST W HAMILTON ON L8R 2B6	278.2	143
OLCO PETROLEUM GROUP ULC ATTN LORI WARE	74 CANNON ST W HAMILTON ON	278.2	143
OLCO PETROLEUM GROUP ULC ATTN LORI WARE	74 CANNON ST W HAMILTON ON L8R 2B6	278.2	143
OLCO PETROLEUM GROUP ULC ATTN LORI WARE	74 CANNON ST W HAMILTON ON L8R 2B6	278.2	143

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2017 has found that there are 6 FST site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
DK'S GAS BAR INC O/A GAS STN	198 BARTON ST WAT HESS HAMILTON ON L8R 2H4	0.0	17
DK'S GAS BAR INC O/A GAS STN	198 BARTON ST WAT HESS HAMILTON ON L8R 2H4	0.0	17
DK'S GAS BAR INC O/A GAS STN	198 BARTON ST WAT HESS HAMILTON ON L8R 2H4	0.0	17

Site	Address	Distance (m)	Map Key
DK'S GAS BAR INC O/A GAS STN	198 BARTON ST WAT HESS HAMILTON ON L8R 2H4	0.0	17
DK'S GAS BAR INC O/A GAS STN	198 BARTON ST WAT HESS HAMILTON ON L8R 2H4	0.0	17
AUTOMOTIVE MANAGER BELL CANADA	160 BAY ST N HAMILTON ON L8R 2P6	155.4	72

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
AUTOMOTIVE MANAGER BELL CANADA	160 BAY ST N HAMILTON ON L8R 2P6	155.4	72
AUTOMOTIVE MANAGER BELL CANADA	160 BAY ST N HAMILTON ON L8R 2P6	155.4	72

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jun 2017 has found that there are 185 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
687224 Ontario Inc.	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	0.0	1
687224 Ontario Inc.	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	0.0	1
687224 Ontario Inc.	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	0.0	1
B&M METAL RECYCLNG	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	0.0	1
HAMILTON IRON & METAL CO. LTD.	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	0.0	1
HAMILTON IRON & METAL CO. LTD. 19-143	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	0.0	1
B & M METAL RECYCLING	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	0.0	1
HAMILTON-WENTWORTH R.C.S. SCHOOL BOARD	ST. THOMAS ELEMENTARY SCHOOL 170 BARTON STREET WATERDOWN ON	0.0	4
RHEEM CANADA LTD.	128 BARTON STREET EAST HAMILTON ON	0.0	5
RHEEM CANADA LTD. 33-134	128 BARTON STREET WEST HAMILTON ON L8N 3P3	0.0	5
RHEEM CANADA LTD.	128 BARTON STREET WEST HAMILTON ON L8N 3P3	0.0	5

Site	Address	Distance (m)	Map Key
RHEEM CANADA LTD.	128 BARTON STREET WEST P.O. BOX 846 HAMILTON ON L8N 3P3	0.0	5
B & M METAL RECYCLING	228 HESS STREET, NORTH HAMILTON ON L8R 2T6	0.0	15
City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	0.0	16
City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	0.0	16
City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	0.0	16
City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	0.0	16
City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	0.0	16
HAMILTON, THE CORP. OF THE CITY OF	125 BARTON ST. W. MAIN SHOP-CITY COMPND C/O 71 MAIN ST. WEST HAMILTON ON L8L 1A9	0.0	16
HAMILTON-WENTWORTH, REGIONAL MUN. OF	125 BARTON STREET WEST HAMILTON ON L8L 1A9	0.0	16
City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON	0.0	16
City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	0.0	16
HAMILTON-WENTWORTH, REGN'L MUN. OF19-731	PARKS DEPT., 125 BARTON ST. W. C/O 119 KING ST. W. 15TH FLOOR HAMILTON ON L8L 1A9	0.0	16
HAMILTON, CORPORATION OF THE CITY OF	125 BARTON ST. WEST MAIN SHOP - CITY COMPOUND HAMILTON ON L8L 1A9	0.0	16
City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	0.0	16
City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	0.0	16
HAMILTON-WENTWORTH, REGN'L MUN. OF	125 BARTON STREET WEST HAMILTON ON L8L 1A9	0.0	16
HAMILTON-WENTWORTH, REGN'L MUN. OF	REGIONAL WATER & SEWER MAINTENANCE 125 BARTON STREET WEST HAMILTON ON L8L 1A9	0.0	16
HAMILTON, CORPORATION OF THE CITY OF	MAIN SHOP - CITY COMPOUND 125 BARTON STREET WEST HAMILTON ON L8L 1A9	0.0	16
City of Hamilton-Maintenance Compound	125 Barton St. W Hamilton ON L8L 1A9	0.0	16
City of Hamilton-Maintenace Compound	125 Barton St. W Hamilton ON L8L 1A9	0.0	16
The Corporation of The City of Hamilton	198 Barton Street W Hamilton ON L8R 2H3	0.0	17
BRANARD CORPORATION 05-793	175 STUART STREET P.O. BOX 423, DEPOT #1 HAMILTON ON L8L 7W2	0.0	18
BRANARD CORPORATION(OUT OF BUS)	175 STUART STREET P.O. BOX 423, DEPOT #1 HAMILTON ON L8L 7W2	0.0	18

Site	Address	Distance (m)	Map Key
City of Hamilton	249 Hess Street North Hamilton ON L8R 2T7	0.0	21
TRANSPORT ROUTE CANADA INC. 38-285	ROUTE CANADA TERMINAL 241 STUART ST. HAMILTON ON L8R 2W6	19.0	35
Hamilton Police Services	241 Stuart Street Hamilton ON L8R 2W6	19.0	35
SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON	19.0	35
SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON L8R 3H2	19.0	35
HAMILTON-WENTWORTH REGION	241 STUART STREET HAMILTON ON L8R 2W6	19.0	35
SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON L8R 3H2	19.0	35
SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON	19.0	35
CANADIAN NATIONAL RAILWAY	HAMILTON DIESEL SHOP 241 STUART STREET WEST HAMILTON ON L8R 3H2	19.0	35
CN NORTH AMERICA	HAMILTON DIESEL SHOP 241 STUART STREET WEST HAMILTON ON L8R 2W6	19.0	35
CANADIAN NATIONAL RAILWAY 08-156	HAMILTON DIESEL SHOP 241 STUART STREET WEST HAMILTON ON L8R 2W6	19.0	35
SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON	19.0	35
CN NORTH AMERICA 08-156	HAMILTON DIESEL SHOP 241 STUART STREET WEST HAMILTON ON L8R 2W6	19.0	35
SOUTHERN ONTARIO RAILWAY	241 STUART STREET WEST HAMILTON ON L8R 2W6	19.0	35
SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON	19.0	35
City of Hamiltn	241 Stuart Street Hamilton ON L8R 2W6	19.0	35
TRANSPORT ROUTE CANADA INC.	ROUTE CANADA TERMINAL 241 STUART ST. HAMILTON ON L8R 2W6	19.0	35
HAMILTON-WENTWORTH, REGIONAL MUN. OF	241 STUART STREET HAMILTON ON L8R 2W6	19.0	35
TRANSPORT ROUTE CANADA INC.	ROUTE CANADA TERMINAL 241 STUART STREET HAMILTON ON L8R 2W6	19.0	35
CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	22.6	36
CITY OF HAMILTON HFD Mechanical	177 BAY STREET NORTH HAMILTON ON L8R 2P8	22.6	36
CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	22.6	36
CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	22.6	36

Site	Address	Distance (m)	Map Key
CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	38.9	39
CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	38.9	39
CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	38.9	39
CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON	38.9	39
HAMILTON, CITY OF	177 BAY ST N HAMILTON ON L8R 2P8	38.9	39
CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	38.9	39
HAMILTON, CITY OF	177 BAY ST. N. HAMILTON ON L8R 2P8	38.9	39
HAMILTON, CORP. OF THE CITY OF	MECHANICAL DIVISION 177 BAY STREET NORTH HAMILTON ON L8R 2P8	38.9	39
HAMILTON, COR(OUT OF BUSINESS)ITY OF	177 BAY STREET NORTH HAMILTON ON L8R 2P8	38.9	39
CITY OF HAMILTON	177 BAY STREET NORTH HAMILTON ON L8R 2P8	38.9	39
HAMILTON, CORPORATION OF THE CITY OF	177 BAY STREET NORTH HAMILTON ON L8R 2P8	38.9	39
STELCO STEEL	20 INCH MILL 243 QUEEN ST. N. HAMILTON ON L8N 3T1	65.7	44
STELCO STEEL	20 INCH MILL 243 QUEEN ST. N., PO BOX 2030 HAMILTON ON L8R 3N6	65.7	44
HAMILTON METAL WORKS INC.	243 QUEEN STREET NORTH HAMILTON ON L8R 3N6	65.7	44
STELCO INC.	BOX 2030 20" MILL, QUEEN STREET HAMILTON ON L8N 3T1	65.7	44
Orchid Automation Group Inc	243 Queen Street N Hamilton ON L8R 3N6	65.7	44
AVL Manufacturing Inc.	243 Queen St N Hamilton ON	65.7	44
AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	65.7	44
AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	65.7	44
AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	65.7	44
Hamilton Metal Works	243 Queen St. North Hamilton ON L8R 3N6	65.7	44
AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	65.7	44
AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	65.7	44

Site	Address	Distance (m)	Map Key
STELCO STEEL 36-179	20 INCH MILL 243 QUEEN ST. N., PO BOX 2030 HAMILTON ON L8R 3N6	65.7	44
AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	85.9	49
AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	85.9	49
AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	85.9	49
AVL Manufacturing Inc.	243 Queen St N Hamilton ON L8R 3N6	85.9	49
City of Hamilton	168 Bay Street North Hamilton ON	98.5	50
WESTINGHOUSE CANADA INC.	ELEVATOR DIV. 28 HARRIET ST. HAMILTON ON L8R 2E4	99.9	53
Schindler Elevator Corporation	28 Harriet St Hamilton ON L8R 2E4	99.9	53
WESTINGHOUSE CANADA (SEE&USE ON0376806)	ELEVATOR DIVISION 28 HARRIETT STREET HAMILTON ON L8S 4L3	99.9	53
SCHINDLER ELEVATOR CORPORATION	28 HARRIET STREET HAMILTON ON L8S 4L3	99.9	53
WESTINGHOUSE(SEE&USE ON0376806) 42-286	ELEVATOR DIV. 28 HARRIET ST. HAMILTON ON L8R 2E4	99.9	53
CYBERMEDIX HEALTH SERVICES LTD. 11-261	78 BARTON ST. W., HAMILTON C/O 6 VANSCO RD. TORONTO ON L8L 1A6	135.7	66
CYBERMEDIX HEALTH SERVICES LIMITED	78 BARTON STREET WEST HAMILTON ON L8L 1A6	135.7	66
CYBERMEDIX HEALTH SERVICES LTD.	78 BARTON ST. W., HAMILTON C/O 6 VANSCO RD. TORONTO ON L8L 1A6	135.7	66
HAMCO HEATING & COOLING LTD.	200 QUEEN STREET NORTH HAMILTON ON L8R 2W3	135.9	67
City of Hamilton	168 Bay Street North Hamilton ON L8R2P5	139.4	68
City of Hamilton	168 Bay Street North Hamilton ON L8R2P5	139.4	68
City of Hamilton	168 Bay Street North Hamilton ON L8R2P5	139.4	68
City of Hamilton	168 Bay Street North Hamilton ON L8R2P5	139.4	68
HAMILTON-WENTWORTH R.C.S.S.B.(PCB)	90 MULBERRY RD. BOARD BUILDING C/O 57 STUART ST. HAMILTON ON L8R 2C8	148.1	71
HAMILTON-WENTWORTH C.D. SCHOOL BOARD	BOARD BUILDING 90 MULBERRY ROAD HAMILTON ON L8R 2C8	148.1	71
BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	155.4	72
BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	155.4	72

Site	Address	Distance (m)	Map Key
BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	155.4	72
BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	155.4	72
BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	155.4	72
BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	155.4	72
BELL CANADA	160 BAY STREET HAMILTON ON L8R 2P6	155.4	72
BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	155.4	72
BELL CANADA	160 BAY STREET NORTH HAMILTON ON	155.4	72
BELL CANADA	160 BAY STREET HAMILTON ON L8R 2P6	155.4	72
BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	155.4	72
BELL CANADA	160 BAY STREET NORTH HAMILTON ON L8R 2P6	155.4	72
Mayer Choong Medicine Professional	20 Railway St Hamilton ON L8R2R3	170.0	76
Mayer Choong Medicine Professional	20 Railway St Hamilton ON L8R2R3	170.0	76
HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8R 1B5	176.9	80
HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8R 1B5	176.9	80
HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8R 1B5	176.9	80
HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8R 1B5	176.9	80
HAMILTON-WENTWORTH SEPARATE S.B. 19-190	PLANT OPERATIONS BUILDING 57 STUART ST. HAMILTON ON L8L 1B5	176.9	80
HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8L 1B5	176.9	80
HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8L 1B5	176.9	80
HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON	176.9	80
HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8L 1B5	176.9	80
HAMILTON-WENTWORTH R.C.S. SCHOOL BOARD	PLANT OPERATIONS 57 STUART STREET HAMILTON ON L8R 1B5	176.9	80
HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8L 1B5	176.9	80

Site	Address	Distance (m)	Map Key
HAMILTON-WENTWORTH C.D. SCHOOL BOARD	PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8L 1B5	176.9	80
HAMILTON-WENTWORTH SEPARATE S.B.	PLANT OPERATIONS BUILDING 57 STUART ST. HAMILTON ON L8L 1B5	176.9	80
SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON L8R 3H2	183.3	81
SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON L8R 3H2	183.3	81
SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON L8R 3H2	183.3	81
SOUTHERN ONTARIO RAILWAY	241 STUART ST. WEST HAMILTON ON L8R 3H2	183.3	81
GUPM Construction Mgrs.	50 Murray St.West Hamilton ON	195.3	89
Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON	205.5	94
Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	221.4	102
Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	221.4	102
Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	221.4	102
Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	221.4	102
Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	221.4	102
CRESCENT OIL CO. OF CANADA LTD.	136 CANNON ST. WEST HAMILTON ON L8R 2B9	221.4	102
Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	221.4	102
Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	221.4	102
Crescent Oil Co. of Canada Ltd.	136 Cannon St. West Hamilton ON L8R 2B9	221.4	102
CRESCENT OIL CO. OF CANADA LTD.	136 CANNON STREET WEST HAMILTON ON L8R 2B9	221.4	102
CRESCENT OIL CO. OF CANADA LTD. 11-312	136 CANNON ST. WEST HAMILTON ON L8R 2B9	221.4	102
CRESCENT OIL COMPANY OF CANADA LIMITED	136 CANNON STREET WEST HAMILTON ON L8R 2B9	221.4	102
HAMILTON AUTO SUPPLY LTD. 20-343	127 BAY ST. NORTH HAMILTON ON L8R 2P5	233.5	108
HAMILTON AUTO SUPPLY LTD.	127 BAY ST. NORTH HAMILTON ON L8R 2P5	233.5	108
CANADIAN IRON & METAL CO.	94 CANNON STREET WEST HAMILTON ON L8R 2B6	246.1	116

Site	Address	Distance (m)	Map Key
CANADIAN IRON & METAL CO. 08-208	94 CANNON STREET WEST HAMILTON ON L8R 2B6	246.1	116
Union Gas Limited	133 Park Street North Hamilton ON L8R 2N4	246.9	117
Union Gas Limited	133 Park Street North Hamilton ON L8R 2N4	246.9	117
Union Gas Limited	133 Park Street North Hamilton ON L8R 2N4	246.9	117
Union Gas Limited	133 Park Street North Hamilton ON	248.2	120
Hamilton-Wentworth District School Board	Hess Street Elementary 107 Hess Street North Hamilton ON L8R 2T1	255.1	128
Hamilton-Wentworth District School Board	Hess Street Elementary 107 Hess Street North Hamilton ON L8R 2T1	255.1	128
Hamilton-Wentworth District School Board	Hess Street Elementary 107 Hess Street North Hamilton ON L8R 2T1	255.1	128
Hamilton-Wentworth District School Board	Hess Street Elementary 107 Hess Street North Hamilton ON L8R 2T1	255.1	128
HAMILTON COMMERCIAL PRINTERS INC.	295 MacNAB STREET, NORTH HAMILTON ON L8L 1K5	265.2	131
HAMILTON COMMERCIAL PRINTERS INC.	295 MacNAB STREET, NORTH HAMILTON ON L8L 1K5	265.2	131
HAMILTON COMMERCIAL PRINTERS INC.	295 MacNAB STREET, NORTH HAMILTON ON L8L 1K5	265.2	131
HAMILTON COMMERCIAL PRINTERS INC.	295 MacNAB STREET, NORTH HAMILTON ON	265.2	131
Union Gas Limited	133 Park Street North Hamilton ON L8R 2N4	267.8	135
Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	278.2	143
Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	278.2	143
Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	278.2	143
Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	278.2	143
Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	278.2	143
Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	278.2	143
Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	278.2	143
Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	278.2	143
Shell Canada Products	74 Cannon Street West Hamilton ON L8R 2B6	278.2	143

Site	Address	Distance (m)	Map Key
Shell Canada Products	74 Cannon Street West Hamilton ON	278.2	143
Supremex Inc.	144 Queen St. N Hamilton ON L8R 2V9	281.7	148
NATIONAL PAPER GOODS LTD	144 QUEEN ST. N. P.O. BOX 339 HAMILTON ON L8R 2V9	281.7	148
Frost Insulated Panel and Door Systems Inc	144 Queen St N Hamilton ON L8R 2V9	281.7	148
Frost Insulated Panel and Door Systems Inc	144 Queen St N Hamilton ON L8R 2V9	281.7	148
NATIONAL PAPER GOODS LTD	144 QUEEN ST. N.- HESS ST.N. P.O. BOX 339 HAMILTON ON L8R 2V9	281.7	148
NATIONAL PAPER GOODS LTD 28-042	144 QUEEN ST. N. HAMILTON ON L8R 2V9	281.7	148
NATIONAL PAPER GOODS	144 Queen St. N Hamilton ON L8R 2V9	281.7	148
NATIONAL PAPER GOODS	144 QUEEN STREET NORTH HAMILTON ON L8N 4E1	281.7	148
Hamilton-Wentworth R.C.S. School Board	St.MaryElementary-209 MacNab St.N. Hamilton ON L8R 2M5	282.8	149
Hamilton Wentworth Catholic District School Board	209 MacNab St N Hamilton ON	282.8	149
HAMILTON-WENTWORTH R.C.S.S.B.(PCB)	ST.MARY'S 209 MACNAB STREET NORTH HAMILTON ON L8R 2M5	282.8	149
HAMILTON-WENTWORTH R.C.S. SCHOOL BOARD	ST.MARY'S 209 MACNAB STREET NORTH HAMILTON ON	282.8	149

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	295 BAY STREET NORTH HAMILTON ON L8L 1M2	82.8	48

INC - TSSA Incidents

A search of the INC database, dated Feb 28, 2017 has found that there are 3 INC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	194 BAY STREET NORTH, HAMILTON ON	68.0	45
	16 Railway Street, Hamilton ON	187.2	83

Site	Address	Distance (m)	Map Key
	220 Park Street North, Hamilton ON	193.6	88

NCPL - Non-Compliance Reports

A search of the NCPL database, dated Dec 31, 2014 has found that there are 1 NCPL site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Canadian National Railways	241 Stuart S. N., Hamilton ON	19.0	35

NPCB - National PCB Inventory

A search of the NPCB database, dated 1988-2008* has found that there are 11 NPCB site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
HAMILTON IRON & METAL CO. LTD.	239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	0.0	1
B M METAL RECYCLING	228 HESS ST N HAMILTON ON L8R 2T6	0.0	15
B& M METAL RECYCLING	228 HESS ST. NORTH Hamilton ON L8R 2T6	0.0	15
B&M METAL RECYCLING	228 HESS ST. NORTH HESS ST. NORTH HAMILTON ON L8R 2T6	0.0	15
CITY OF HAMILTON	MAINTENANCE SHOP; 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	0.0	16
CITY OF HAMILTON	MAINTENANCE SHOP 125 BARTON ST W HAMILTON ON L8L 1A9	0.0	16
CITY OF HAMILTON	125 BARTON ST WEST MAINTENANCE SHOP HAMILTON ON L8L 1A9	0.0	16
REGIONAL MUN. OF HAMILTON-WENTWORTH	241 STUART STREET HAMILTON ON L8R 2W6	19.0	35
REGIONAL MUN.OF HAMILTON - WENTWORTH	241 STUART STREET HAMILTON ON L8R 2W6	19.0	35
HAMILTON - WENTWORTH R.C. SEP. SCHOOL BRD	57 STUART STREET HAMILTON ON L8L 1B5	176.9	80
HAMILTON -WENTWORTH R.C. SEP. SCHOOL BRD	57 STUART STREET HAMILTON ON L8L 1B5	176.9	80

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-2014 has found that there are 14 NPRI site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
RHEEM CANADA LTD.	128 BARTON Street West Hamilton ON L8N3P3	0.0	7
Rheem Canada Ltd. / Ltee.	128 Barton Street West Hamilton ON L8R 2H2	0.0	7
RHEEM CANADA	128 BARTON Street West Hamilton ON L8N3P3	0.0	7
Rheem Canada Ltd. / Ltee.	128 Barton Street West Hamilton ON L8R 2H2	0.0	7
Rheem Canada Ltd. / Ltee.	128 Barton Street West Hamilton ON L8R 2H2	0.0	7
RHEEM CANADA	128 BARTON Street West Hamilton ON L8N3P3	0.0	7
Rheem Canada Ltd. / Ltee.	128 Barton Street West Hamilton ON L8R 2H2	0.0	7
RHEEM CANADA	128 BARTON Street West Hamilton ON L8N3P3	0.0	7
Rheem Canada Ltd. / Ltee.	128 Barton Street West Hamilton ON L8R 2H2	0.0	7
Rheem Canada Ltd./Ltee.	128 Barton St. West Hamilton ON L8N 3P3	0.0	7
RHEEM CANADA LTD.	128 Barton St. West Hamilton ON L8N 3P3	0.0	7
Rheem Canada Ltd. / Ltee.	128 Barton Street West Hamilton ON L8R 2H2	0.0	7
Rheem Canada Ltd./Ltee.	128 Barton St. West Hamilton ON L8N 3P3	0.0	7
Rheem Canada Ltd. / Ltee.	Hamilton ON	0.0	7

OPCB - Inventory of PCB Storage Sites

A search of the OPCB database, dated 1987-Oct 2004; 2012-Dec 2013 has found that there are 17 OPCB site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
CITY OF HAMILTON	MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	0.0	16
CITY OF HAMILTON	MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	0.0	16
CITY OF HAMILTON	MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	0.0	16
City Of Hamilton	125 Barton St West Maintenance Shop Hamilton ON L8L 1A9	0.0	16
CITY OF HAMILTON	MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	0.0	16

Site	Address	Distance (m)	Map Key
City Of Hamilton	125 Barton St West Maintenance Shop Hamilton ON L8L 1A9	0.0	16
CITY OF HAMILTON	MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	0.0	16
CITY OF HAMILTON	MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	0.0	16
REGIONAL MUN. OF HAMILTON-WENTWORTH	241 STUART STREET HAMILTON ON L8R 2W6	19.0	35
REGIONAL MUN. OF HAMILTON-WENTWORTH	241 STUART STREET HAMILTON ON L8R 2W6	19.0	35
REGIONAL MUN. OF HAMILTON-WENTWORTH	241 STUART STREET HAMILTON ON L8R 2W6	19.0	35
REGIONAL MUN. OF HAMILTON-WENTWORTH	241 STUART STREET HAMILTON ON L8R 2W6	19.0	35
HAMILTON -WENTWORTH R.C. SEP. SCHOOL BRD	57 STUART STREET HAMILTON ON L8L 1B5	176.9	80
HAMILTON WENTWORTH SEPERATE SCHOOL BOARD	57 STUART STREET HAMILTON ON L8L 1B5	176.9	80
HAMILTON -WENTWORTH R.C. SEP. SCHOOL BRD	57 STUART STREET HAMILTON ON L8L 1B5	176.9	80
HAMILTON -WENTWORTH R.C. SEP. SCHOOL BRD	57 STUART STREET HAMILTON ON L8L 1B5	176.9	80
HAMILTON -WENTWORTH R.C. SEP. SCHOOL BRD	57 STUART STREET HAMILTON ON L8L 1B5	176.9	80

PES - Pesticide Register

A search of the PES database, dated 1988-Oct 2016 has found that there are 1 PES site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
OUTDOOR WORKS LTD	195 BARTON ST W HAMILTON ON L8R 2H3	28.2	37

PINC - TSSA Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 4 PINC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	15 WINDSOR DRIVE, HAMILTON ON	81.7	47
	20A MILL STREET, MOREWOOD ON	133.2	65
	20 MILL ST, MOREWOOD ON	133.2	65

Site	Address	Distance (m)	Map Key
	139 PARK ST N, HAMILTON ON	253.4	127

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 5 PRT site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	198 BARTON ST. W. HAMILTON ON	0.0	17
C N R	241 STUART ST HAMILTON ON L8R 2W6	19.0	35
SKYLIGHT WINDOW CLEANING	202 QUEEN ST N HAMILTON ON L8R2W3	129.4	64
AUTOMOTIVE MANAGER BELL CANADA	160 BAY ST N HAMILTON ON L8R 2P6	155.4	72
OLCO PETROLEUM GROUP INC ATTN LORI WARE	74 CANNON ST W HAMILTON ON L8R 2B6	278.2	143

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994-Jul 2017 has found that there are 1 PTTW site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Canadian National RailwayMacmillan Yard	241 Stuart Street City of Hamilton ON L8R 2W6	19.0	35

REC - Ontario Regulation 347 Waste Receivers Summary

A search of the REC database, dated 1986-2016 has found that there are 3 REC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
HAMILTON, CORPORATION OF THE CITY OF	MAINTENANCE SHOP 125 BARTON STREET WEST HAMILTON ON L8L 1A9	0.0	16
HAMILTON-WENTWORTH, THE REGIONAL MUN.OF	241 STUART STREET HAMILTON ON L8R 2W6	19.0	35
HAMILTON-WENTWORHT R.C.S. SCHOOL BOARD	57 STUART STREET HAMILTON ON L8L 1B5	176.9	80

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Aug 2017 has found that there are 1 RSC site(s) within approximately

0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Mission Services of Hamilton Inc.	50 MURRAY ST W, HAMILTON, ON, L8L 1B3 ON L8L 1B3	195.3	89

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-May 2017 has found that there are 6 RST site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
SHANDU GAS CO	198 BARTON ST W HAMILTON ON L8R2H4	0.0	17
SANDHU GAS & CO	198 BARTON ST W HAMILTON ON L8R2H4	0.0	17
SUNNY GAS CO	198 BARTON ST W HAMILTON ON L8R 2H4	0.0	17
SANDHU GAS & CO	198 BARTON ST W HAMILTON ON L8R 2H4	0.0	17
FUELS INC	136 CANNON ST W HAMILTON ON L8R2B9	205.5	94
FUELS	136 CANNON ST W HAMILTON ON L8R 2B9	221.4	102

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 23 SCT site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
HAMILTON IRON AND METAL COMPAN	239 CAROLINE ST N HAMILTON ON L8R 2S3	0.0	1
Rheem Canada Ltd. - Water Heater Division	128 Barton St W Hamilton ON L8R 2H2	0.0	5
RHEEM CANADA LTD./LTEE	128 BARTON ST W HAMILTON ON L8R 2H2	0.0	5
Rheem Canada Ltd. - Water Div	128 Barton St W Hamilton ON L8R 2H2	0.0	5
RHEEM CANADA LTD./LTÉE	128 Barton St W Hamilton ON L8R 2H2	0.0	5
B & M Metal Recycling	228 Hess St N Hamilton ON L8R 2T6	0.0	15
MC CANADA	252 Stuart St Hamilton ON L8R 3N7	0.0	23
M.C. OF CANADA	252 STUART ST HAMILTON ON L8R 3N7	0.0	23

Site	Address	Distance (m)	Map Key
Hamilton Metal Works Inc.	243 Queen St N Hamilton ON L8R 3N6	65.7	44
Dynamic Steel Inc.	243 Queen St N Hamilton ON L8R 3N6	65.7	44
Swift Devices Limited	236 Queen St N Hamilton ON L8R 2W3	103.7	55
SWIFT EQUIPMENT	236 Queen St N Hamilton ON L8R 2W3	103.7	55
Felton Brushes Limited	29 Harriet St Hamilton ON L8R 2E5	124.5	59
Ribesa Tool & Die Company Ltd.	203 Queen St N Hamilton ON L8R 2W2	188.0	85
Crescent Oil Co. of Canada Ltd.	136 Cannon St W Hamilton ON L8R 2B9	221.4	102
Crescent Oil Co. of Canada Ltd	136 Cannon St W Hamilton ON L8R 2B9	221.4	102
Impressive Printing Inc.	94 Cannon St W Unit 1 Hamilton ON L8R 2B6	246.1	116
Design Print & Litho Inc.	295 MacNab St N Hamilton ON L8L 1K5	265.2	131
Envocorp Inc. - National Paper Goods Division	144 Queen St N Hamilton ON L8R 2V9	281.7	148
ENVOCORP INC.	144 QUEEN ST N HAMILTON ON L8R 2V9	281.7	148
npg Envelope Inc.	144 Queen St N Hamilton ON L8R 2V9	281.7	148
C.C.S.O. BREAD OF LIFE RENEWAL	209 MACNAB ST N HAMILTON ON L8R 2M5	282.8	149
CCSO Bread of Life Renewal	209 MacNab St N Hamilton ON L8R 2M5	282.8	149

SPL - Ontario Spills

A search of the SPL database, dated 1988-Feb 2017 has found that there are 26 SPL site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Waste Management<UNOFFICIAL>	128 Barton Street West, Hamilton Hamilton ON	0.0	5
	228 Hess St N Hamilton ON L8R 2T6	0.0	15
ESSO CHEMICAL	SUNNYS GAS BAR, 198 BARTON STREET W TANK TRUCK (CARGO) HAMILTON CITY ON L8R 2H4	0.0	17
HAMILTON HYDRO & ENGINEERING D	249 HESS ST NORTH TRANSFORMER HAMILTON CITY ON L8R 2T7	0.0	21

Site	Address	Distance (m)	Map Key
	249 Hess Hamilton ON	0.0	21
HAMILTON HYDRO & ENGINEERING D	BARTON STREET, 2ND POLE WEST OF HESS ST. TRANSFORMER HAMILTON CITY ON	4.3	26
CANADIAN NATIONAL RAILWAY	LAKE ONTARIO; HAMILTON HARBOUR - BASE OF STUART ST HAMILTON CITY ON	19.0	35
CANADIAN NATIONAL RAILWAY	241 STEWART ST. OUTFALL OF DRAIN AT NORTH END OF SITE HAMILTON YARD HAMILTON CITY ON	19.0	35
CANADIAN NATIONAL RAILWAY	241 STEWART ST. W. HAMILTON YARD TRAIN HAMILTON CITY ON	19.0	35
Union Gas Limited	15 Windsor Drive Hamilton ON	81.7	47
UNKNOWN	NORTHWEST CORNER QUEEN & BARTON CN PROPERTY HAMILTON CITY ON	99.3	51
South Ontario Railway<UNOFFICIAL>	Hamilton Yard (Bay and Stuart Street) Hamilton ON	123.3	58
MOTOR VEHICLE	CORNER OF STEWART & BAY ST. MOTOR VEHICLE (OPERATING FLUID) HAMILTON CITY ON	126.5	62
	at 13 Greig St Hamilton ON L8R 2W8	171.5	77
	219 Queen Street North<UNOFFICIAL> Hamilton ON L8R 2W2	175.8	79
	27 Mill St, Waterdown Hamilton ON L8R 2E2	188.1	86
CANADIAN NATIONAL RAILWAY	TRACK #4 AT STUART ST. YARD TRAIN HAMILTON CITY ON	206.9	95
CANADIAN NATIONAL RAILWAY	C.N. TANKER PARKED AT THE STEWART YARD TRAIN HAMILTON CITY ON	206.9	95
CANADIAN NATIONAL RAILWAY	CN RAIL YARD,STEWART STREET. MOTOR VEHICLE (OPERATING FLUID) HAMILTON CITY ON	206.9	95
CRESCENT OIL CO. OF CANADA LTD	136 CANNON STREET WEST, AT THE LOADING DOCKS ON RAILWAY STREET AT THE SIDE TANK TRUCK (CARGO) HAMILTON CITY ON L8R 2B9	221.4	102
PRIVATE OWNER	SOUTH SIDE OF LITTLE GREG ST/QUEEN ST NORTH, NEAR PARKING ENTRANCE. MOTOR VEHICLE (OPERATING FLUID) HAMILTON CITY ON	240.9	112
CANADIAN NATIONAL RAILWAY	20 STEWART ST, CNR YARD. TANK TRUCK (CARGO) HAMILTON CITY ON	248.6	121
Union Gas Limited	139 Park St. North Hamilton ON	253.4	127
UNKNOWN	STRACHAN ST. WEST/WEST OF BAY ST. HAMILTON CITY ON	256.6	130
OLCO	OLCO SERVICE STN(OWNED BY SHELL) 74 CANNON ST. SERVICE STATION HAMILTON CITY ON	278.2	143
	200 Harbour Front Dr Hamilton ON	278.4	144

WDSH - Waste Disposal Sites - MOE 1991 Historical Approval Inventory

A search of the WDSH database, dated Up to Oct 1990* has found that there are 1 WDSH site(s) within approximately 0.30 kilometers of the project property.

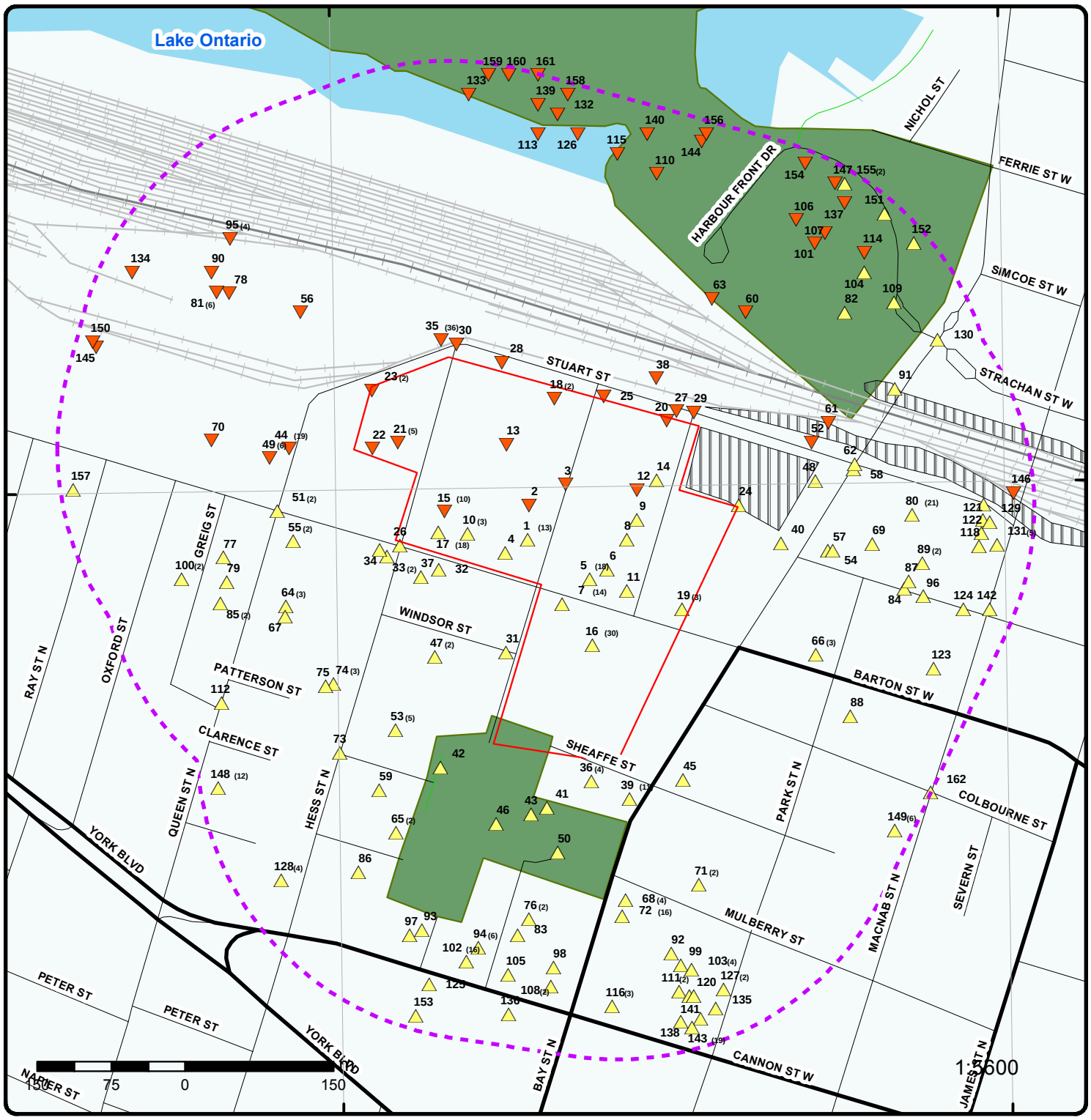
Site	Address	Distance (m)	Map Key
	nr Shaeffe & Bay Sts. HAMILTON ON	64.1	43

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30, 2016 has found that there are 22 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	0.0	11
	ON	0.0	22
	HAMILTON ON	3.0	25
	Hamilton ON	14.6	31
	ON	58.5	42
	Hamilton ON	100.8	54
	Hamilton ON	125.7	61
	Hamilton ON	127.4	63
	Hamilton ON	141.0	69
	ON	163.1	75
	Hamilton ON	199.0	91
	ON	200.5	92
	lot 16 con 2 HAMILTON ON	214.2	98
	lot 15 con 2 HAMILTON ON	214.9	99
	HAMILTON ON	239.8	111
	HAMILTON ON	239.8	111

Site	Address	Distance (m)	Map Key
	ON	255.4	129
	Hamilton ON	269.8	138
	Hamilton ON	272.4	141
	ON	278.7	145
	Hamilton ON	279.4	146
	ON	285.9	153



Map : 0.3 Kilometer Radius

Order No: 20170818054

Address: 112 Barton St W, Hamiton, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

Source: © 2015 DMTI Spatial Inc.

© ERIS Information Limited Partnership

79°52'30"W

43°16'30"N

43°16'30"N

Aerial

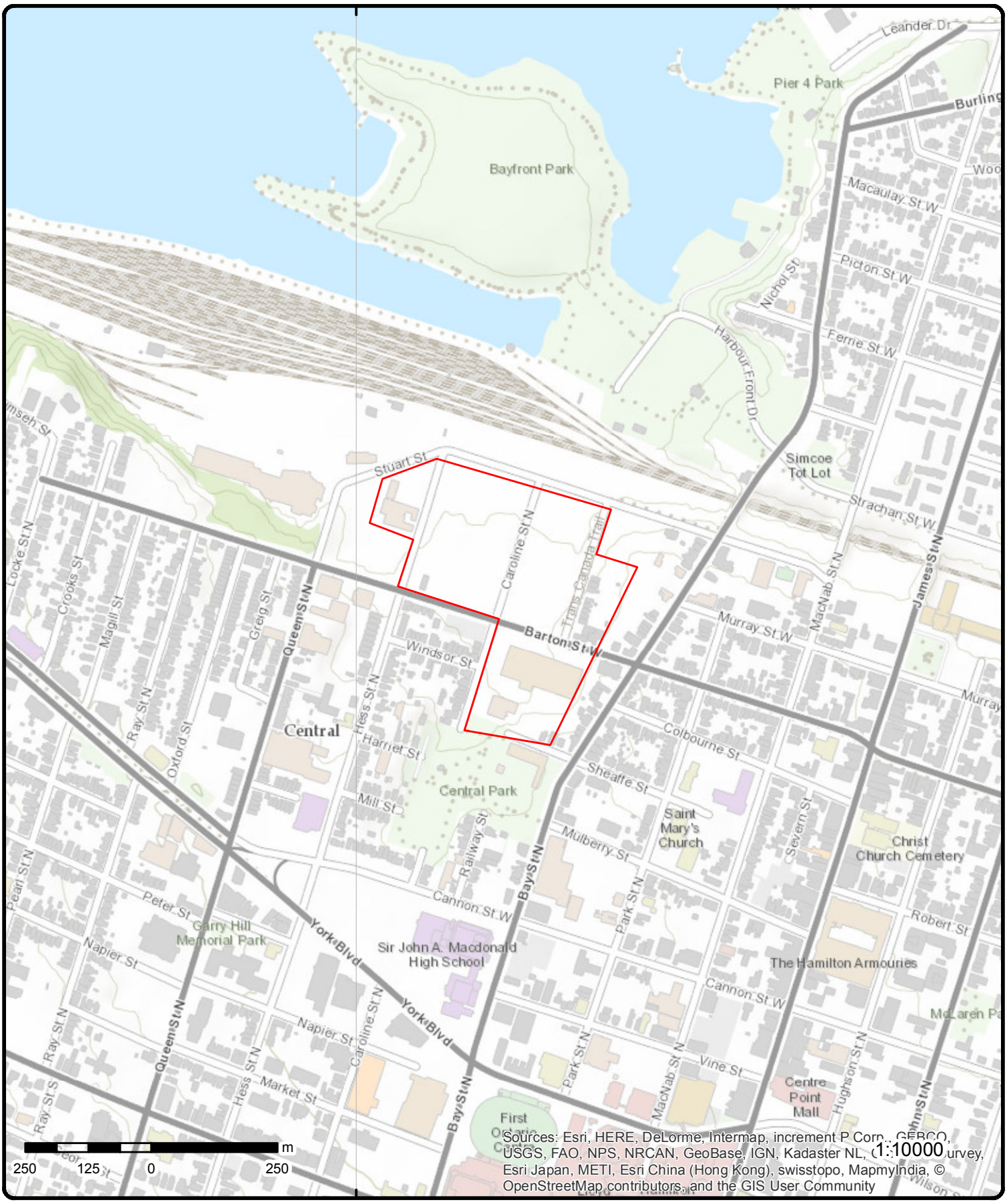
Order No: 20170818054

Address: 112 Barton St W, Hamiton, ON

Source: ESRI World Imagery

ENVIRONMENTAL RISK INFORMATION SERVICES

© ERIS Information Limited Partnership



Topographic Map

Address: 112 Barton St W, Hamiton, ON

Source: ESRI World Topographic Map

Order No: 20170818054

ENVIRONMENTAL RISK INFORMATION SERVICES

© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 13	-/0.0	81.3	687224 Ontario Inc. 239 Caroline Street North Hamilton ON L8R 2S3	CA

Certificate #: 5947-5WFLB7
Application Year: 2004
Issue Date: 3/2/2004
Approval Type: Waste Management Systems
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	2 of 13	-/0.0	81.3	687224 Ontario IncB&M Metal Recycling 239 CAROLINE STREET NORTH City of Hamilton ON L8R 2S3	EBR

Company Name:
Year: 1996
Notice Type: Instrument
EBR Registry No.: IA6E1285
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date: 8/21/96
Ministry Ref. No.:
Location: City of Hamilton
Proponent Address: 687224 Ontario IncB&M Metal Recycling,228 Hess Street,Hamilton, Ontario, L8R 2T6
Notice Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	3 of 13	-/0.0	81.3	687224 Ontario Inc. 239 Caroline Street North HAMILTON ON L8R 2S3	EBR

Company Name:
Year: 2001
Notice Type: Instrument
EBR Registry No.: IA01E0613
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date: 5/3/01
Ministry Ref. No.:
Location: 239 Caroline Street North,Hamilton, Ontario, L8R 2T6HAMILTON
Proponent Address: 687224 Ontario Inc.228 Hess Street,Hamilton, Ontario, L8R 2T6
Notice Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	4 of 13	-/0.0	81.3	687224 Ontario Inc. 239 Caroline Street North	ECA

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
				Hamilton ON L8R 2T6	

Approval No: 5947-5WFLB7
Project Type: Waste Management Systems
Date: 3/2/2004 12:27:05 PM
Status: Approved
Longitude: -79.872795
Latitude: 43.2673149999999
Record Type: ECA
PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/3972-5W8NW7-14.pdf
Full Address:

1	***5 of 13***	***-/0.0***	***81.3***	***687224 Ontario Inc.*** ***239 CAROLINE STREET NORTH*** ***HAMILTON ON L8R 2S3***	***GEN***

Generator No.: ON1734701
Status:
Approval Years: 02,03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 233
Waste Description: OTHER POLYMERIC WASTES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

1	***6 of 13***	***-/0.0***	***81.3***	***B&M METAL RECYCLNG*** ***239 CAROLINE STREET NORTH*** ***HAMILTON ON L8R 2S3***	***GEN***

Generator No.: ON1734700
Status:
Approval Years: 94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 5619
SIC Description: COMB. METAL PROD.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 233
Waste Description: OTHER POLYMERIC WASTES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	7 of 13	-/0.0	81.3	HAMILTON IRON & METAL CO. LTD. 239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	GEN

Generator No.:	ON0579100	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	86,87,88,89,90	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:	0007		
SIC Description:	LETTER ACKNOWLEDG.		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site		DB
1	8 of 13	-/0.0	81.3	HAMILTON IRON & METAL CO. LTD. 239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	19-143	GEN

Generator No.:	ON0579100	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	92,93,94	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:	0007		
SIC Description:	LETTER ACKNOWLEDG.		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	9 of 13	-/0.0	81.3	B & M METAL RECYCLING 239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	GEN

Generator No.:	ON1734700	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	93,97,98	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:	5619		
SIC Description:	COMB. METAL PROD.		

--Details--

Waste Code:	146
Waste Description:	OTHER SPECIFIED INORGANICS
Waste Code:	233
Waste Description:	OTHER POLYMERIC WASTES
Waste Code:	251
Waste Description:	OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	10 of 13	-/0.0	81.3	687224 Ontario Inc. 239 CAROLINE STREET NORTH HAMILTON ON L8R 2S3	GEN

Generator No.:	ON1734701	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	2009	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:	418110		
SIC Description:	Recyclable Metal Wholesaler-Distributors		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

--Details--
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

1	***11 of 13***	***-/0.0***	***81.3***	***687224 Ontario Inc.*** ***239 CAROLINE STREET NORTH*** ***HAMILTON ON L8R 2S3***	***GEN***

Generator No.: ON1734701
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 418110
SIC Description: Recyclable Metal Wholesaler-Distributors

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

1	***12 of 13***	***-/0.0***	***81.3***	***HAMILTON IRON & METAL CO. LTD.*** ***239 CAROLINE STREET NORTH*** ***HAMILTON ON L8R 2S3***	***NPCB***

Company Code: O0275
Industry: Iron/Steel
Site Status:
Transaction Date: 10/18/1990
Inspection Date: 10/27/1989

--Details--
Label:
Serial No.:
PCB Type/Code: Askarel
Location:
Item/State:
No. of Items:
Manufacturer:
Status: In-Use
Contents: 45.00 L

1	***13 of 13***	***-/0.0***	***81.3***	***HAMILTON IRON AND METAL COMPAN*** ***239 CAROLINE ST N*** ***HAMILTON ON L8R 2S3***	***SCT***

Established: 0

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Plant Size (ft²):					
Employment:		20			
--Details--					
Description:		STEEL WORKS, BLAST FURNACES & ROLLING MILLS			
SIC/NAICS Code:		3312			

2	1 of 1	-/0.0	80.6	**CAN AM PLASTICS NA INC.** **259 CAROLINE STREET NORTH** **HAMILTON CITY ON**	CA

Certificate #:	8-2075-89-
Application Year:	89
Issue Date:	8/17/1989
Approval Type:	Industrial air
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	BAGHOUSE FOR PLASTICS RECYCLING PLANT
Contaminants::	
Emission Control::	

3	1 of 1	-/0.0	79.8	**Stuart St** **Hamilton ON**	EHS

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20100331014
Addit. Info Ordered::	Fire Insur. Maps and/or Site Plans; City Directory; Topographical Maps
Report Date:	4/12/2010
Report Type:	Custom Report
Search Radius (km):	0.25

4	1 of 1	-/0.0	81.7	**HAMILTON-WENTWORTH R.C.S. SCHOOL BOARD** **ST. THOMAS ELEMENTARY SCHOOL 170 BARTON STREET** **WATERDOWN ON**	GEN

Generator No.:	ON0300913	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	03,04	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:	611690		
SIC Description:	All Other Schools & Instruction		

5	1 of 18	-/0.0	83.3	**RHEEM CANADA LIMITED** **128 BARTON STREET WEST** **HAMILTON CITY ON**	CA

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Certificate #: 8-2091-93-
Application Year: 93
Issue Date: 6/4/1993
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: INSTALL (2) PAINT SPRAY BOOTHS
Contaminants:: Suspended Particulate Matter
Emission Control:: Other Wet Collector,

5	*2 of 18*	*-/0.0*	*83.3*	***RHEEM CANADA LTD.*** ***128 BARTON STREET WEST*** ***HAMILTON CITY ON***	*CA*

Certificate #: 8-2255-94-
Application Year: 94
Issue Date: 1/25/1995
Approval Type: Industrial air
Status: Approved in 1995
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: 1) PROCESS VENT, 1) PREHEAT FURNACE
Contaminants:: Nitrogen Oxides
Emission Control:: No Controls

5	*3 of 18*	*-/0.0*	*83.3*	***RHEEM CANADA LIMITED*** ***128 BARTON STREET WEST*** ***HAMILTON CITY ON***	*CA*

Certificate #: 8-2075-93-
Application Year: 93
Issue Date: 4/27/1993
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: 1) PORCELAIN ENAMEL BAKE FURNACE
Contaminants:: Nitrogen Oxides, Suspended Particulate Matter
Emission Control:: No Controls

5	*4 of 18*	*-/0.0*	*83.3*	***128 Barton Street*** ***Hamilton ON***	*CA*

Certificate #: 8-2255-94-956
Application Year: 00
Issue Date: 10/16/00
Approval Type: Industrial air
Status: Approved
Application Type: Notice
Client Name:: Rheem Canada Limited

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Client Address::	128 Barton Street
Client City::	Hamilton
Client Postal Code::	L8R 2H2
Project Description::	Addition of 2 heaters, with a capacity of 1.5 million BTU/hr exhausting through a stack 18.3 m above grade
Contaminants::	
Emission Control::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
5	5 of 18	-/0.0	83.3	**Rheem Canada Ltd.** **128 Barton Street** **Hamilton ON**	CA

Certificate #:	6459-6EPPZE
Application Year:	2005
Issue Date:	8/5/2005
Approval Type:	Air
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
5	6 of 18	-/0.0	83.3	**Rheem Canada Limited** **128 Barton Street** **Hamilton ON L8R 2H2**	EBR

Company Name:	
Year:	2004
Notice Type:	Instrument Decision
EBR Registry No.:	IA04E1104
Instrument Type:	Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9
Proposal Date:	
Ministry Ref. No.:	8230-634LLQ
Location:	128 Barton Street Hamilton Ontario L8R 2H2
Proponent Address:	128 Barton Street Hamilton Ontario L8R 2H2
Notice Date:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
5	7 of 18	-/0.0	83.3	**Rheem Canada Ltd.** **128 Barton Street** **Hamilton ON L8R 2H2**	ECA

Approval No:	6459-6EPPZE
Project Type:	Air
Date:	8/5/2005 10:44:13 AM
Status:	Approved
Longitude:	-79.87154
Latitude:	43.2665329999999
Record Type:	ECA
PDF URL:	https://www.accessenvironment.ene.gov.on.ca/instruments/8230-634LLQ-14.pdf
Full Address:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
5	8 of 18	-/0.0	83.3	**Rheem Canada Limited** **128 Barton Street** **Hamilton ON L8R 2H2**	ECA

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Approval No: 8-2255-94-956
Project Type: Air
Date: 10/16/2000
Status: Revoked and/or Replaced
Longitude: -79.87154
Latitude: 43.2665329999999
Record Type: ECA
PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/8750-4P5JMD-14.pdf
Full Address:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
5	9 of 18	-/0.0	83.3	128 Barton Street West Hamilton ON	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20051108005
Addit. Info Ordered::
Report Date: 11/16/2005
Report Type: Complete Report
Search Radius (km): 0.25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
5	10 of 18	-/0.0	83.3	RHEEM CANADA LTD. 128 BARTON STREET EAST HAMILTON ON	GEN

Generator No.: ON9335943
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 493190
SIC Description: Other Warehousing and Storage

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site		DB
5	11 of 18	-/0.0	83.3	RHEEM CANADA LTD. 128 BARTON STREET WEST HAMILTON ON L8N 3P3	33-134	GEN

Generator No.: ON0149600
Status:
Approval Years: 94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 3071
SIC Description: HEATING EQUIP. IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 253
Waste Description: EMULSIFIED OILS

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site		DB
5	12 of 18	-/0.0	83.3	RHEEM CANADA LTD. 128 BARTON STREET WEST HAMILTON ON L8N 3P3		GEN

Generator No.: ON0149600
Status:
Approval Years: 92,93,97,98,99,00,01,02,03,04,05,06
Contam. Facility:
MHSW Facility:
SIC Code: 3071
SIC Description: HEATING EQUIP. IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 251

Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 253
Waste Description: EMULSIFIED OILS

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

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5 | ***13 of 18*** | ***-/0.0*** | ***83.3*** | ***RHEEM CANADA LTD.***
128 BARTON STREET WEST P.O. BOX 846
HAMILTON ON L8N 3P3 | ***GEN***

Generator No.: ON0149600
Status:
Approval Years: 86,87,88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 3071
SIC Description: HEATING EQUIP. IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 253
Waste Description: EMULSIFIED OILS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

5 | **14 of 18** | **-/0.0** | **83.3** | **Rheem Canada Ltd. - Water Div**
128 Barton St W
Hamilton ON L8R 2H2 | **SCT**

Established: 1945
Plant Size (ft²): 30000
Employment: 220

--Details--
Description: Metal Tank (Heavy Gauge) Manufacturing
SIC/NAICS Code: 332420

Description: Heating Equipment and Commercial Refrigeration Equipment Manufacturing
SIC/NAICS Code: 333416

Description: Other Major Appliance Manufacturing
SIC/NAICS Code: 335229

---

5 | **15 of 18** | **-/0.0** | **83.3** | **RHEEM CANADA LTD./LTEE**
128 BARTON ST W
HAMILTON ON L8R 2H2 | **SCT**

Established: 1945
Plant Size (ft²): 130000
Employment: 200

--Details--
Description: HEATING EQUIPMENT, EXCEPT ELECTRIC AND WARM AIR FURNACES
SIC/NAICS Code: 3433

Description: FABRICATED PLATE WORK (BOILER SHOPS)
SIC/NAICS Code: 3443

Description: HOUSEHOLD APPLIANCES, NOT ELSEWHERE CLASSIFIED
SIC/NAICS Code: 3639

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5 | **16 of 18** | **-/0.0** | **83.3** | **Rheem Canada Ltd. - Water Heater Division**
128 Barton St W
Hamilton ON L8R 2H2 | **SCT**

Established: 1945
Plant Size (ft²): 130000
Employment: 220

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
5	17 of 18	-/0.0	83.3	RHEEM CANADA LTD./LTÉE 128 Barton St W Hamilton ON L8R 2H2	SCT

Established: 1945
Plant Size (ft²): 130000
Employment: 250

--Details--
Description: Metal Tank (Heavy Gauge) Manufacturing
SIC/NAICS Code: 332420

Description: Heating Equipment and Commercial Refrigeration Equipment Manufacturing
SIC/NAICS Code: 333416

Description: Other Major Appliance Manufacturing
SIC/NAICS Code: 335229

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
5	18 of 18	-/0.0	83.3	Waste Management<UNOFFICIAL> 128 Barton Street West, Hamilton Hamilton ON	SPL

Ref No: 8581-6CWGT5
Contaminant Code:
Contaminant Name: HYDRAULIC OIL
Contaminant Quantity: 90 L
Incident Cause: Pipe Or Hose Leak
Incident Dt: 5/31/2005
Incident Reason: Spill
Incident Summary: Rhem: 20 gal hydraulic oil to ground & CB
MOE Reported Dt: 5/31/2005
Environmental Impact: Possible
Nature of Impact: Soil Contamination; Surface Water Pollution
Receiving Medium: Land & Water
SAC Action Class: Spills to Land
Sector Source Type: Other
Receiving Environment:
Incident Event:
Site Municipality: Hamilton

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
6	1 of 1	-/0.0	83.9	ON	BORE

Borehole ID: 621879
Use: Geotechnical/Geological Investigation
Drill Method:: Power auger
Easting:: 591574
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: 18.7
Township::
Lot::
Completion Date:: FEB-1963
Primary Water Use:: Not Used
Type: Borehole
Status::
UTM Zone:: 17
Northing:: 4790963
Orig. Ground Elev m:: 85.6
DEM Ground Elev m:: 84
Primary Name::
Concession::
Municipality:
Static Water Level:: -999.9
Sec. Water Use::

--Details--
Stratum ID: 218423040
Bottom Depth(m): 3.0
Top Depth(m): 0.0
Stratum Desc: FILL,SAND,CINDERS. BROWN,MAN-MADE,LOOSE,UNIFORM, AGE POST-GLACIAL.

Stratum ID:	218423041	**Top Depth(m):**	3.0
Bottom Depth(m):	6.4	**Stratum Desc:**	FILL,SAND-MEDIUM, SILT. BROWN,MAN-MADE,LOOSE,UNIFORM, AGE POST-GLACIAL.
Stratum ID:	218423042	**Top Depth(m):**	6.4
Bottom Depth(m):	7.4	**Stratum Desc:**	FILL,SAND-MEDIUM, SILT,CINDERS. BROWN,MAN-MADE,COMPACT, UNIFORM,AGE POST-GLACIAL.
Stratum ID:	218423043	**Top Depth(m):**	7.4
Bottom Depth(m):	12.2	**Stratum Desc:**	CLAY,SILT,GRAVEL. GREEN,LACUSTRINE,VERY SOFT, UNIFORM,AGE GLACIAL.
Stratum ID:	218423044	**Top Depth(m):**	12.2
Bottom Depth(m):	15.2	**Stratum Desc:**	CLAY,SILT. GREEN,LACUSTRINE,STIFF, UNIFORM,AGE GLACIAL.
Stratum ID:	218423045	**Top Depth(m):**	15.2
Bottom Depth(m):	18.7	**Stratum Desc:**	CLAY,SILT,GRAVEL. GREEN,LACUSTRINE,STIFF, UNIFORM,AGE GLACIAL. 020 017

7	***1 of 14***	***-/0.0***	***82.9***	***RHEEM CANADA*** ***128 BARTON Street West*** ***Hamilton ON L8N3P3***	***NPRI***

Longitude:	-79.8722
NPRI #:	0000002057
Year:	2005
Latitude:	43.2656

--Details--

Units:	tonnes
Air:	
Water:	
Substances Released:	Methylenebis(phenylisocyanate)
Land:	
Units:	tonnes
Air:	.043
Water:	
Substances Released:	Calcium oxide
Land:	
Units:	tonnes
Air:	
Water:	
Substances Released:	HCFC-141b
Land:	
Units:	tonnes
Air:	
Water:	
Substances Released:	Polymeric diphenylmethane diisocyanate
Land:	
Units:	tonnes
Air:	
Water:	
Substances Released:	Manganese (and its compounds)

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Land:

Units: tonnes
Air: 2.34
Water:
Substances Released: PM10 - Particulate Matter <= 10 Microns
Land:

Units: tonnes
Air: 2.34
Water:
Substances Released: PM2.5 - Particulate Matter <= 2.5 Microns
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	2 of 14	-/0.0	82.9	***Rheem Canada Ltd. / Ltee.*** ***Hamilton ON***	***NPRI***

Longitude: -79.8722
NPRI #: 0000002057
Year: 1993
Latitude: 43.2656

--Details--
Units: tonnes
Air: 0
Water: 0
Substances Released:
Land: 0

Units: tonnes
Air: 0
Water: 0
Substances Released:
Land: 0

Units: tonnes
Air: 0
Water: 0
Substances Released:
Land: 0

Units: tonnes
Air: 0
Water: 0
Substances Released:
Land: 0

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	3 of 14	-/0.0	82.9	***RHEEM CANADA*** ***128 BARTON Street West*** ***Hamilton ON L8N3P3***	***NPRI***

Longitude: -79.8722
NPRI #: 0000002057
Year: 2004
Latitude: 43.2656

--Details--
Units: tonnes
Air:

Water:	
Substances Released:	Nitrous oxide
Land:	
Units:	tonnes
Air:	
Water:	
Substances Released:	Methylenebis(phenylisocyanate)
Land:	
Units:	tonnes
Air:	
Water:	
Substances Released:	Nitrogen oxides (expressed as NO2)
Land:	
Units:	tonnes
Air:	
Water:	
Substances Released:	Carbon dioxide
Land:	
Units:	tonnes
Air:	.037
Water:	
Substances Released:	Calcium oxide
Land:	
Units:	tonnes
Air:	
Water:	
Substances Released:	HCFC-141b
Land:	
Units:	tonnes
Air:	
Water:	
Substances Released:	Carbon monoxide
Land:	
Units:	tonnes
Air:	.171
Water:	
Substances Released:	Iron (and its compounds)
Land:	
Units:	tonnes
Air:	
Water:	
Substances Released:	Sulphur dioxide
Land:	
Units:	tonnes
Air:	
Water:	
Substances Released:	Methane
Land:	
Units:	tonnes
Air:	
Water:	
Substances Released:	HFC-134a Hydrofluorocarbon
Land:	
Units:	tonnes
Air:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Water:
Substances Released: Polymeric diphenylmethane diisocyanate
Land:

Units: tonnes
Air: .039
Water:
Substances Released: Manganese (and its compounds)
Land:

Units: tonnes
Air:
Water:
Substances Released: PM - Total Particulate Matter
Land:

Units: tonnes
Air: 2.293
Water:
Substances Released: PM10 - Particulate Matter <= 10 Microns
Land:

Units: tonnes
Air: 2.293
Water:
Substances Released: PM2.5 - Particulate Matter <= 2.5 Microns
Land:

Units: tonnes
Air:
Water:
Substances Released: Volatile Organic Compounds (VOCs)
Land:

7	*4 of 14*	*-/0.0*	*82.9*	***RHEEM CANADA LTD.*** ***128 BARTON Street West*** ***Hamilton ON L8N3P3***	***NPRI***

Longitude: -79.8722
NPRI #: 0000002057
Year: 2003
Latitude: 43.2656

--Details--
Units: tonnes
Air:
Water:
Substances Released: Methylenebis(phenylisocyanate)
Land:

Units: tonnes
Air:
Water:
Substances Released: HCFC-141b
Land:

Units: tonnes
Air:
Water:
Substances Released: Polymeric diphenylmethane diisocyanate
Land:

Units: tonnes

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Air: 2.365
Water:
Substances Released: PM10 - Particulate Matter <= 10 Microns
Land:

Units: tonnes
Air: 2.365
Water:
Substances Released: PM2.5 - Particulate Matter <= 2.5 Microns
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	5 of 14	-/0.0	82.9	***Rheem Canada Ltd. / Ltee.*** ***128 Barton Street West*** ***Hamilton ON L8R 2H2***	***NPRI***

Longitude: -79.8722
NPRI #: 0000002057
Year: 1995
Latitude: 43.2656

--Details--
Units: tonnes
Air:
Water:
Substances Released: Aluminum (fume or dust)
Land:

Units: tonnes
Air:
Water:
Substances Released: Manganese (and its compounds)
Land:

Units: tonnes
Air:
Water:
Substances Released: Nickel (and its compounds)
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	6 of 14	-/0.0	82.9	***RHEEM CANADA*** ***128 BARTON Street West*** ***Hamilton ON L8N3P3***	***NPRI***

Longitude: -79.8722
NPRI #: 0000002057
Year: 2006
Latitude: 43.2656

--Details--
Units: tonnes
Air:
Water:
Substances Released: Methylenebis(phenylisocyanate)
Land:

Units: tonnes
Air: .014
Water:
Substances Released: Calcium oxide
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Units: tonnes
Air:
Water:
Substances Released: HCFC-141b
Land:

Units: tonnes
Air:
Water:
Substances Released: Polymeric diphenylmethane diisocyanate
Land:

Units: tonnes
Air: .72
Water:
Substances Released: PM10 - Particulate Matter <= 10 Microns
Land:

Units: tonnes
Air: .72
Water:
Substances Released: PM2.5 - Particulate Matter <= 2.5 Microns
Land:

7	***7 of 14***	***-/0.0***	***82.9***	***Rheem Canada Ltd. / Ltee.*** ***128 Barton Street West*** ***Hamilton ON L8R 2H2***	***NPRI***

Longitude: -79.8722
NPRI #: 0000002057
Year: 1997
Latitude: 43.2656

--Details--
Units: tonnes
Air:
Water:
Substances Released: Aluminum (fume or dust)
Land:

Units: tonnes
Air:
Water:
Substances Released: Manganese (and its compounds)
Land:

7	***8 of 14***	***-/0.0***	***82.9***	***Rheem Canada Ltd. / Ltee.*** ***128 Barton Street West*** ***Hamilton ON L8R 2H2***	***NPRI***

Longitude: -79.8722
NPRI #: 0000002057
Year: 1994
Latitude: 43.2656

--Details--
Units: tonnes
Air:
Water:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Substances Released:		Aluminum (fume or dust)			
Land:					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Zinc (fume or dust)			
Land:					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Manganese (and its compounds)			
Land:					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Nickel (and its compounds)			
Land:					

7	***9 of 14***	***-/0.0***	***82.9***	***Rheem Canada Ltd. / Ltee.*** ***128 Barton Street West*** ***Hamilton ON L8R 2H2***	***NPRI***
Longitude:		-79.8722			
NPRI #:		0000002057			
Year:		1999			
Latitude:		43.2656			
--Details--					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Aluminum (fume or dust)			
Land:					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Manganese (and its compounds)			
Land:					

7	***10 of 14***	***-/0.0***	***82.9***	***Rheem Canada Ltd./Ltee.*** ***128 Barton St. West*** ***Hamilton ON L8N 3P3***	***NPRI***
Longitude:		-79.8722			
NPRI #:		0000002057			
Year:		2000			
Latitude:		43.2656			
--Details--					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Aluminum (fume or dust)			
Land:					
Units:		tonnes			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Air:
Water:
Substances Released: Polymeric diphenylmethane diisocyanate
Land:

Units: tonnes
Air:
Water:
Substances Released: Manganese (and its compounds)
Land:

7	***11 of 14***	***-/0.0***	***82.9***	***Rheem Canada Ltd. / Ltee.*** ***128 Barton Street West*** ***Hamilton ON L8R 2H2***	***NPRI***

Longitude: -79.8722
NPRI #: 0000002057
Year: 1998
Latitude: 43.2656

--Details--
Units: tonnes
Air:
Water:
Substances Released: Aluminum (fume or dust)
Land:

Units: tonnes
Air:
Water:
Substances Released: Manganese (and its compounds)
Land:

7	***12 of 14***	***-/0.0***	***82.9***	***RHEEM CANADA LTD.*** ***128 Barton St. West*** ***Hamilton ON L8N 3P3***	***NPRI***

Longitude: -79.8722
NPRI #: 0000002057
Year: 2002
Latitude: 43.2656

--Details--
Units: tonnes
Air:
Water:
Substances Released: Methylenebis(phenylisocyanate)
Land:

Units: tonnes
Air:
Water:
Substances Released: HCFC-141b
Land:

Units: tonnes
Air:
Water:
Substances Released: Polymeric diphenylmethane diisocyanate
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Units: tonnes
Air: 1.989
Water:
Substances Released: PM10 - Particulate Matter <= 10 Microns
Land:

Units: tonnes
Air: 1.989
Water:
Substances Released: PM2.5 - Particulate Matter <= 2.5 Microns
Land:

7	***13 of 14***	***-/0.0***	***82.9***	***Rheem Canada Ltd./Ltee.*** ***128 Barton St. West*** ***Hamilton ON L8N 3P3***	***NPRI***

Longitude: -79.8722
NPRI #: 0000002057
Year: 2001
Latitude: 43.2656

--Details--
Units: tonnes
Air:
Water:
Substances Released: Aluminum (fume or dust)
Land:

Units: tonnes
Air:
Water:
Substances Released: Polymeric diphenylmethane diisocyanate
Land:

Units: tonnes
Air:
Water:
Substances Released: Manganese (and its compounds)
Land:

7	***14 of 14***	***-/0.0***	***82.9***	***Rheem Canada Ltd. / Ltee.*** ***128 Barton Street West*** ***Hamilton ON L8R 2H2***	***NPRI***

Longitude: -79.8722
NPRI #: 0000002057
Year: 1996
Latitude: 43.2656

--Details--
Units: tonnes
Air:
Water:
Substances Released: Aluminum (fume or dust)
Land:

Units: tonnes
Air:
Water:

Substances Released:	Manganese (and its compounds)
Land:	
Units:	tonnes
Air:	
Water:	
Substances Released:	Nickel (and its compounds)
Land:	

8 **1 of 1** **-/0.0** **83.1** **ON** **BORE**

Borehole ID:	622405	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591594	**Northing::**	4790993
Location Accuracy::		**Orig. Ground Elev m::**	83.8
Elev. Reliability Note::		**DEM Ground Elev m::**	83.4
Total Depth m::	9.4	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	FEB-1963	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218425460	**Top Depth(m):**	0.0
Bottom Depth(m):	2.0	**Stratum Desc:**	SAND,ORGANIC. RED,LOOSE,UNIFORM,AGE GLACIAL.
Stratum ID:	218425461	**Top Depth(m):**	2.0
Bottom Depth(m):	3.0	**Stratum Desc:**	SAND,SILT. GREEN,VERY LOOSE,UNIFORM, AGE GLACIAL.
Stratum ID:	218425462	**Top Depth(m):**	3.0
Bottom Depth(m):	4.3	**Stratum Desc:**	SILT,SAND,ORGANIC. GREEN,VERY LOOSE,UNIFORM, AGE GLACIAL.
Stratum ID:	218425463	**Top Depth(m):**	4.3
Bottom Depth(m):	5.0	**Stratum Desc:**	SILT,CLAY. GREEN,STIFF,UNIFORM, AGE GLACIAL.
Stratum ID:	218425464	**Top Depth(m):**	5.0
Bottom Depth(m):	9.4	**Stratum Desc:**	CLAY,SILT. GREEN,VERY SOFT,UNIFORM, AGE GLACIAL. 0000000500065003001000020014001300165019000 65

9 **1 of 1** **-/0.0** **82.0** **ON** **BORE**

Borehole ID:	622406	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591604	**Northing::**	4791013
Location Accuracy::		**Orig. Ground Elev m::**	83.8
Elev. Reliability Note::		**DEM Ground Elev m::**	82.9
Total Depth m::	18.3	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Completion Date:: FEB-1963
Primary Water Use:: Not Used
Static Water Level:: -999.9
Sec. Water Use::

--Details--

Stratum ID: 218425465
Bottom Depth(m): 2.1
Top Depth(m): 0.0
Stratum Desc: SAND-FINE TO MEDIUM.RED,COMPACT,UNIFORM, AGE GLACIAL.

Stratum ID: 218425466
Bottom Depth(m): 18.3
Top Depth(m): 2.1
Stratum Desc: CLAY,SILT. GREEN,HARD,UNIFORM, AGE GLACIAL. 00000013000700510006ORY LOOSE

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10 | ***1 of 3*** | ***-/0.0*** | ***81.8*** | ***Thomas S Loth*** ***182 Barton St W*** ***Hamilton ON L8R 2H4*** | ***CA***

Certificate #: 7526-7FNMEK
Application Year: 2008
Issue Date: 6/17/2008
Approval Type: Air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

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10 | ***2 of 3*** | ***-/0.0*** | ***81.8*** | ***Thomas Loth*** ***182 Barton Street West*** ***Hamilton ON L8R 2H4*** | ***EBR***

Company Name:
Year: 2007
Notice Type: Instrument Proposal
EBR Registry No.: 010-1677
Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9
Proposal Date: September 19, 2007
Ministry Ref. No.: 2152-772L77
Location: 182 Barton Street West Hamilton L8R 2H4 CITY OF HAMILTON
Proponent Address: 182 Barton Street West Hamilton Ontario Canada L8R 2H4
Notice Date:

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10 | ***3 of 3*** | ***-/0.0*** | ***81.8*** | ***Thomas S Loth*** ***182 Barton St W*** ***Hamilton ON L8R 2H4*** | ***ECA***

Approval No: 7526-7FNMEK
Project Type: Air
Date: 6/17/2008 4:07:25 PM
Status: Approved
Longitude: -79.8733599999999
Latitude: 43.2662539999999
Record Type: ECA
PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/2152-772L77-13.pdf

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Full Address:					

11 | **1 of 1** | **-/0.0** | **84.9** | **ON** | **WWIS**

Well ID:	7149525	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:		**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:		**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HAMILTON CITY	**UTM Reliability:**	
County:	WENTWORTH		

Bore Hole Information

--	--
Bore Hole ID:	1003269660
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	20-MAY-10
Remarks:	
Zone:	17
East 83:	591594
North 83:	4790941
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	84.97
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
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12 | **1 of 1** | **-/0.0** | **80.0** | **ON** | **BORE**

Borehole ID:	622407	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591604	**Northing::**	4791043
Location Accuracy::		**Orig. Ground Elev m::**	83.8
Elev. Reliability		**DEM Ground Elev m::**	81.3
Note::			
Total Depth m::	6.4	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	FEB-1963	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218425467	**Top Depth(m):**	0.0
Bottom Depth(m):	0.9	**Stratum Desc:**	FILL,SAND,SILT, CINDERS. MAN-MADE,VERY LOOSE,UNIFORM, AGE POST-

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

GLACIAL.

Stratum ID:	218425468	**Top Depth(m):**	0.9
Bottom Depth(m):	3.4	**Stratum Desc:**	SILT,SAND. GREEN,COMPACT,UNIFORM, AGE GLACIAL.
Stratum ID:	218425469	**Top Depth(m):**	3.4
Bottom Depth(m):	4.6	**Stratum Desc:**	CLAY,SAND-MEDIUM. GREEN,COMPACT,LAYERED, AGE GLACIAL.
Stratum ID:	218425470	**Top Depth(m):**	4.6
Bottom Depth(m):	6.4	**Stratum Desc:**	SAND-FINE TO MEDIUM.GREEN,COMPACT,UNIFORM, AGE GLACIAL. 00000003000300210011002200150023000900

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13 | ***1 of 1*** | ***-/0.0*** | ***79.8*** | ***288 Hess Street North Hamilton ON L8R 2T6*** | ***EHS***

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20070615031
Addit. Info Ordered::	
Report Date:	6/26/2007
Report Type:	CAN - Complete Report
Search Radius (km):	0.25

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14 | ***1 of 1*** | ***-/0.0*** | ***81.1*** | ***ON*** | ***BORE***

Borehole ID:	622408	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Diamond Drill	***UTM Zone::***	17
Easting::	591624	***Northing::***	4791053
Location Accuracy::		***Orig. Ground Elev m::***	83.8
Elev. Reliability Note::		***DEM Ground Elev m::***	81.5
Total Depth m::	21.6	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	SEP-1963	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218425471	***Top Depth(m):***	0.0
Bottom Depth(m):	0.2	***Stratum Desc:***	FILL,GRAVEL. MAN-MADE,THIN, AGE POST-GLACIAL.
Stratum ID:	218425472	***Top Depth(m):***	0.2
Bottom Depth(m):	0.9	***Stratum Desc:***	SAND-MEDIUM. BROWN,LOOSE,UNIFORM, AGE GLACIAL.
Stratum ID:	218425473	***Top Depth(m):***	0.9
Bottom Depth(m):	2.1	***Stratum Desc:***	SILT,SAND-MEDIUM. GREEN,LOOSE,LAYERED, AGE GLACIAL.
Stratum ID:	218425474	***Top Depth(m):***	2.1
Bottom Depth(m):	5.5	***Stratum Desc:***	CLAY,SILT. GREEN,VERY SOFT,UNIFORM,

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

AGE GLACIAL.

Stratum ID: 218425475
Bottom Depth(m): 21.6
Top Depth(m): 5.5
Stratum Desc: CLAY,SILT. GREEN,STIFF,UNIFORM, AGE GLACIAL. 026 00005009000300090007001900180013

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15 *1 of 10* *-/0.0* *81.0*

B & M METAL RECYCLING
228 HESS ST N
HAMILTON ON L8R 2T6

AUWR

Code: 1169400
Facility: Scrap Metals
Description:
List Name:

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15 *2 of 10* *-/0.0* *81.0*

687224 Ontario Inc.
228 Hess Street North
Hamilton ON L8R 2T6

CA

Certificate #: 6027-7KLQ9M
Application Year: 2008
Issue Date: 10/28/2008
Approval Type: Air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

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15 *3 of 10* *-/0.0* *81.0*

687224 Ontario Inc.
228 Hess Street North
Hamilton ON L8R 2T6

EBR

Company Name:
Year: 2004
Notice Type: Instrument Proposal
EBR Registry No.: IA04E1707
Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9
Proposal Date:
Ministry Ref. No.: 5572-64UQ6Y
Location: 228 Hess Street North Hamilton Ontario L8R 2T6
Proponent Address: 228 Hess Street Hamilton Ontario L8R 2T6
Notice Date:

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15 *4 of 10* *-/0.0* *81.0*

687224 Ontario Inc.
228 Hess Street North
Hamilton ON L8R 2T6

ECA

Approval No: 6027-7KLQ9M
Project Type: Air
Date: 10/28/2008 4:56:24 PM
Status: Revoked and/or Replaced
Longitude: -79.87364

Latitude: 43.2664569999999
Record Type: ECA
PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/5572-64UQ6Y-14.pdf
Full Address:

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15 | ***5 of 10*** | ***-/0.0*** | ***81.0*** | ***B & M METAL RECYCLING*** ***228 HESS STREET, NORTH*** ***HAMILTON ON L8R 2T6*** | ***GEN***

Generator No.: ON1734701
Status:
Approval Years: 97,98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 5619
SIC Description: COMB. METAL PROD.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 233
Waste Description: OTHER POLYMERIC WASTES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

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15 | ***6 of 10*** | ***-/0.0*** | ***81.0*** | ***B&M METAL RECYCLING*** ***228 HESS ST. NORTH HESS ST. NORTH*** ***HAMILTON ON L8R 2T6*** | ***NPCB***

Company Code: O0275
Industry:
Site Status:
Transaction Date:
Inspection Date:

--Details--
Label:
Serial No.:
PCB Type/Code:
Location:
Item/State:
No. of Items:
Manufacturer:
Status: In-Use
Contents:

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15 | ***7 of 10*** | ***-/0.0*** | ***81.0*** | ***B& M METAL RECYCLING*** ***228 HESS ST. NORTH*** ***Hamilton ON L8R 2T6*** | ***NPCB***

Company Code: O0275
Industry: Iron/Steel
Site Status: In- Use
Transaction Date: 4/29/1999
Inspection Date: 4/28/1999

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

--Details--
Label:
Serial No.:
PCB Type/Code: Askarel/Askarel
Location: FOUNDRY ELECTRICAL ROOM
Item/State:
No. of Items:
Manufacturer:
Status: In-Use
Contents:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
15	8 of 10	-/0.0	81.0	***B M METAL RECYCLING*** ***228 HESS ST N*** ***HAMILTON ON L8R 2T6***	***NPCB***

Company Code: O0275
Industry: IRON/STEEL
Site Status: INSPECTED SITES (NON FEDERAL)
Transaction Date: 5/15/2000
Inspection Date: 4/28/1999

--Details--
Label: OR48469
Serial No.: 391363G01
PCB Type/Code: ASKAREL/ASKAREL
Location:
Item/State: CAPACITOR/FULL
No. of Items: 6
Manufacturer:
Status: IN-USE
Contents: 27 L

Label: OR54721
Serial No.: 391363G01
PCB Type/Code: ASKAREL/ASKAREL
Location:
Item/State: CAPACITOR/FULL
No. of Items: 5
Manufacturer:
Status: IN-USE
Contents: 22.5 L

Label: OR48468
Serial No.: 391363G01
PCB Type/Code: ASKAREL/ASKAREL
Location:
Item/State: CAPACITOR/FULL
No. of Items: 6
Manufacturer:
Status: IN-USE
Contents: 27 L

Label: OR48467
Serial No.:
PCB Type/Code: ASKAREL/ASKAREL
Location:
Item/State: CAPACITOR/FULL
No. of Items: 6
Manufacturer:
Status: IN-USE
Contents: 30 L

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
15	9 of 10	-/0.0	81.0	B & M Metal Recycling 228 Hess St N Hamilton ON L8R 2T6	SCT

Established: 01-AUG-79
Plant Size (ft²):
Employment:

--Details--
Description: Recyclable Metal Wholesaler-Distributors
SIC/NAICS Code: 418110

Description: Non-Ferrous Metal (except Aluminum) Smelting and Refining
SIC/NAICS Code: 331410

Description: Non-Ferrous Metal (except Copper and Aluminum) Rolling, Drawing, Extruding and Alloying
SIC/NAICS Code: 331490

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
15	10 of 10	-/0.0	81.0	228 Hess St N Hamilton ON L8R 2T6	SPL

Ref No: 1300-8PRSYR
Contaminant Code: 15
Contaminant Name: TRANSFORMER OIL (N.O.S.)
Contaminant Quantity: 50 L
Incident Cause: Other Discharges
Incident Dt: 12/21/2011
Incident Reason: Error- Operator error
Incident Summary: Triple M Demolition - 50 L transformer oil to concrete.
MOE Reported Dt: 12/21/2011
Environmental Impact: Not Anticipated
Nature of Impact:
Receiving Medium: Sewage - Municipal/Private and Commercial
SAC Action Class: Land Spills
Sector Source Type: Transformer
Receiving Environment:
Incident Event:
Site Municipality: Hamilton

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	1 of 30	-/0.0	84.7	City of Hamilton-Maintenance Compound 125 Barton St. W Hamilton ON L8L 1A9	GEN

Generator No.: ON4548081
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 561210
SIC Description: FACILITIES SUPPORT SERVICES

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Charlene McKay
Phone No. Admin: (905)546-2424 Ext.7023

--Details--
Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 263

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 222
Waste Description: HEAVY FUELS

Waste Code: 243
Waste Description: PCBS

Waste Code: 267
Waste Description: ORGANIC ACIDS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

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16 | **2 of 30** | **-/0.0** | **84.7** | **City of Hamilton-Maintenance Compound**
125 Barton St. W
Hamilton ON L8L 1A9 | **GEN**

Generator No.: ON4548081
Status: Registered
Approval Years: As of Jun 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country: Canada
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 331 L
Waste Description: Waste compressed gases including cylinders

Waste Code: 243 D
Waste Description: PCB

Waste Code: 267 C
Waste Description: Organic acids

Waste Code:	221 L
Waste Description:	Light fuels
Waste Code:	212 L
Waste Description:	Aliphatic solvents and residues
Waste Code:	212 H
Waste Description:	Aliphatic solvents and residues
Waste Code:	148 L
Waste Description:	Misc. wastes and inorganic chemicals
Waste Code:	263 I
Waste Description:	Misc. waste organic chemicals
Waste Code:	146 T
Waste Description:	Other specified inorganic sludges, slurries or solids
Waste Code:	145 H
Waste Description:	Wastes from the use of pigments, coatings and paints
Waste Code:	145 L
Waste Description:	Wastes from the use of pigments, coatings and paints
Waste Code:	213 I
Waste Description:	Petroleum distillates
Waste Code:	148 I
Waste Description:	Misc. wastes and inorganic chemicals
Waste Code:	252 L
Waste Description:	Waste crankcase oils and lubricants
Waste Code:	121 C
Waste Description:	Alkaline slutions - containing heavy metals
Waste Code:	148 T
Waste Description:	Misc. wastes and inorganic chemicals
Waste Code:	251 L
Waste Description:	Waste oils/sludges (petroleum based)
Waste Code:	221 I
Waste Description:	Light fuels
Waste Code:	263 B
Waste Description:	Misc. waste organic chemicals
Waste Code:	112 C
Waste Description:	Acid solutions - containing heavy metals
Waste Code:	263 L
Waste Description:	Misc. waste organic chemicals
Waste Code:	331 I
Waste Description:	Waste compressed gases including cylinders

16	***3 of 30***	***-/0.0***	***84.7***	***City of Hamilton-Maintenance Compound*** ***125 Barton St. W*** ***Hamilton ON L8L 1A9***	***GEN***

Generator No.:	ON4548081	***PO Box No.:***	
Status:		***Country:***	Canada
Approval Years:	2015	***Choice of Contact:***	CO_ADMIN

Contam. Facility:	No	**Co Admin:**	Clark Euale
MHSW Facility:	No	**Phone No. Admin:**	(905)546-2424 Ext.4315
SIC Code:	561210		
SIC Description:	FACILITIES SUPPORT SERVICES		

--Details--

Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS
Waste Code:	331
Waste Description:	WASTE COMPRESSED GASES
Waste Code:	146
Waste Description:	OTHER SPECIFIED INORGANICS
Waste Code:	263
Waste Description:	ORGANIC LABORATORY CHEMICALS
Waste Code:	213
Waste Description:	PETROLEUM DISTILLATES
Waste Code:	221
Waste Description:	LIGHT FUELS
Waste Code:	222
Waste Description:	HEAVY FUELS
Waste Code:	211
Waste Description:	AROMATIC SOLVENTS
Waste Code:	267
Waste Description:	ORGANIC ACIDS
Waste Code:	212
Waste Description:	ALIPHATIC SOLVENTS
Waste Code:	148
Waste Description:	INORGANIC LABORATORY CHEMICALS
Waste Code:	121
Waste Description:	ALKALINE WASTES - HEAVY METALS
Waste Code:	112
Waste Description:	ACID WASTE - HEAVY METALS
Waste Code:	251
Waste Description:	OIL SKIMMINGS & SLUDGES
Waste Code:	145
Waste Description:	PAINT/PIGMENT/COATING RESIDUES
Waste Code:	243
Waste Description:	PCBS

16	***4 of 30***	***-/0.0***	***84.7***	***City of Hamilton-Maintenance Compound 125 Barton St. W Hamilton ON L8L 1A9***	***GEN***

Generator No.:	ON4548081	**PO Box No.:**	
Status:		**Country:**	Canada
Approval Years:	2016	**Choice of Contact:**	CO_ADMIN
Contam. Facility:	No	**Co Admin:**	Clark Euale
MHSW Facility:	No	**Phone No. Admin:**	(905)546-2424 Ext.4315

SIC Code: 561210
SIC Description: FACILITIES SUPPORT SERVICES

--Details--
Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 222
Waste Description: HEAVY FUELS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 267
Waste Description: ORGANIC ACIDS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 243
Waste Description: PCBS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

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16 | ***5 of 30*** | ***-/0.0*** | ***84.7*** | ***City of Hamilton-Maintenance Compound***
125 Barton St. W
Hamilton ON L8L 1A9 | ***GEN***

Generator No.: ON4548081
Status:
Approval Years: 07,08
Contam. Facility:
MHSW Facility:
SIC Code: 561210
SIC Description: Facilities Support Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 243
Waste Description: PCB'S

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 267
Waste Description: ORGANIC ACIDS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

16	6 of 30	-/0.0	84.7	HAMILTON, THE CORP. OF THE CITY OF 125 BARTON ST. W. MAIN SHOP-CITY COMPND C/O 71 MAIN ST. WEST HAMILTON ON L8L 1A9	GEN

Generator No.: ON0062421
Status:
Approval Years: 89,90
Contam. Facility:
MHSW Facility:
SIC Code: 4275
SIC Description: PAINT. & DECOR. WORK

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	7 of 30	-/0.0	84.7	HAMILTON-WENTWORTH, REGIONAL MUN. OF 125 BARTON STREET WEST HAMILTON ON L8L 1A9	GEN

Generator No.: ON0217714
Status:
Approval Years: 98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 8371
SIC Description: TRANSPORTATION ADMIN.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	8 of 30	-/0.0	84.7	City of Hamilton-Maintenance Compound 125 Barton St. W Hamilton ON	GEN

Generator No.: ON4548081
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 561210
SIC Description: FACILITIES SUPPORT SERVICES

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 222
Waste Description: HEAVY FUELS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 267
Waste Description: ORGANIC ACIDS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 243
Waste Description: PCBS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	9 of 30	-/0.0	84.7	City of Hamilton-Maintenance Compound 125 Barton St. W Hamilton ON L8L 1A9	GEN

Generator No.: ON4548081
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 561210
SIC Description: Facilities Support Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 222
Waste Description: HEAVY FUELS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 243
Waste Description: PCBS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 112

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 267
Waste Description: ORGANIC ACIDS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	10 of 30	-/0.0	84.7	HAMILTON-WENTWORTH, REGN'L MUN. OF19-731 PARKS DEPT., 125 BARTON ST. W. C/O 119 KING ST. W. 15TH FLOOR HAMILTON ON L8L 1A9	GEN

Generator No.: ON0217714
Status:
Approval Years: 94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 8371
SIC Description: TRANSPORTATION ADMIN

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	11 of 30	-/0.0	84.7	HAMILTON, CORPORATION OF THE CITY OF 125 BARTON ST. WEST MAIN SHOP - CITY COMPOUND HAMILTON ON L8L 1A9	GEN

Generator No.: ON0062421
Status:
Approval Years: 92,93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 4275
SIC Description: PAINT. & DECOR. WORK

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 243
Waste Description: PCB'S

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

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16 | **12 of 30** | **-/0.0** | **84.7**

City of Hamilton-Maintenance Compound
125 Barton St. W
Hamilton ON L8L 1A9

GEN

Generator No.: ON4548081
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 561210
SIC Description: Facilities Support Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 243
Waste Description: PCBS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 222
Waste Description: HEAVY FUELS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 267
Waste Description: ORGANIC ACIDS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 251

Waste Description: OIL SKIMMINGS & SLUDGES

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16 | **13 of 30** | **-/0.0** | **84.7** | **City of Hamilton-Maintenance Compound**
125 Barton St. W
Hamilton ON L8L 1A9 | **GEN**

Generator No.: ON4548081
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 561210
SIC Description: Facilities Support Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 267
Waste Description: ORGANIC ACIDS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 222
Waste Description: HEAVY FUELS

Waste Code: 243
Waste Description: PCBS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	14 of 30	-/0.0	84.7	HAMILTON-WENTWORTH, REGN'L MUN. OF 125 BARTON STREET WEST HAMILTON ON L8L 1A9	GEN

Generator No.: ON0217714
Status:
Approval Years: 92,93,97
Contam. Facility:
MHSW Facility:
SIC Code: 8371
SIC Description: TRANSPORTATION ADMIN

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	15 of 30	-/0.0	84.7	HAMILTON-WENTWORTH, REGN'L MUN. OF REGIONAL WATER & SEWER MAINTENANCE 125 BARTON STREET WEST HAMILTON ON L8L 1A9	GEN

Generator No.: ON0217714
Status:
Approval Years: 88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 0000
SIC Description: *** NOT DEFINED ***

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	16 of 30	-/0.0	84.7	HAMILTON, CORPORATION OF THE CITY OF MAIN SHOP - CITY COMPOUND 125 BARTON STREET WEST HAMILTON ON L8L 1A9	GEN

Generator No.: ON0062421
Status:
Approval Years: 98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 4275
SIC Description: PAINT. & DECOR. WORK

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 243
Waste Description: PCB'S

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	17 of 30	-/0.0	84.7	City of Hamilton-Maintenance Compound 125 Barton St. W Hamilton ON L8L 1A9	GEN

Generator No.: ON4548081
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 561210
SIC Description: Facilities Support Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 222
Waste Description: HEAVY FUELS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 267
Waste Description: ORGANIC ACIDS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 243
Waste Description: PCBS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	18 of 30	-/0.0	84.7	City of Hamilton-Maintenace Compound 125 Barton St. W Hamilton ON L8L 1A9	GEN

Generator No.: ON4548081
Status:
Approval Years: 03,04,05
Contam. Facility:
MHSW Facility:
SIC Code: 561210
SIC Description: Facilities Support Services
PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 243
Waste Description: PCB'S

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	19 of 30	-/0.0	84.7	CITY OF HAMILTON MAINTENANCE SHOP 125 BARTON ST W HAMILTON ON L8L 1A9	NPCB

Company Code: F0318
Industry: UNDEFINED
Site Status:
Transaction Date:
Inspection Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	20 of 30	-/0.0	84.7	CITY OF HAMILTON 125 BARTON ST WEST MAINTENANCE SHOP HAMILTON ON L8L 1A9	NPCB

Company Code: F0318
Industry: Undefined
Site Status: Stored for Disposal
Transaction Date: 12/30/1995
Inspection Date:

--Details--
Label:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Serial No.:
PCB Type/Code: Askarel/Askarel
Location:
Item/State:
No. of Items:
Manufacturer:
Status: Stored for disposal
Contents:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	21 of 30	-/0.0	84.7	***CITY OF HAMILTON MAINTENANCE SHOP; 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9***	***NPCB***

Company Code: F0328
Industry:
Site Status:
Transaction Date: 1/29/1996
Inspection Date:

--Details--
Label:
Serial No.:
PCB Type/Code: Unknown concentration
Location:
Item/State:
No. of Items:
Manufacturer:
Status: Stored for Disposal
Contents: 549.00 KG

Label:
Serial No.:
PCB Type/Code: Low 50 - 10,000 ppm
Location:
Item/State:
No. of Items:
Manufacturer:
Status: Stored for Disposal
Contents: 600.00 KG

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	22 of 30	-/0.0	84.7	***CITY OF HAMILTON MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9***	***OPCB***

Year: 1999
Site Number: 20190A017
Name Owner:
Additional Site Information:

--Details--
Quantity: 6.00
Address Site:
Description: Number of Drums of Ballasts with High Level PCBs (>1000 ppm)

Quantity: 1200.00
Address Site:
Description: Calculated Weight (Kg) of Drums of Ballasts with High Level PCBs (>1000 ppm)

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	23 of 30	-/0.0	84.7	CITY OF HAMILTON MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	OPCB

Year: 1998
Site Number: 20190A017
Name Owner:
Additional Site Information:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	24 of 30	-/0.0	84.7	CITY OF HAMILTON MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	OPCB

Year: 2004
Site Number: 20190A017
Name Owner:
Additional Site Information:

--Details--
Quantity: 6
Address Site:
Description: Number of Drums of Ballasts with High Level PCBs (>1000 ppm)

Quantity: 1425
Address Site:
Description: Weight of Drums of Ballasts with High Level PCBs (>1000 ppm) kg

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	25 of 30	-/0.0	84.7	CITY OF HAMILTON MAINTENANCE SHOP 125 BARTON ST WEST HAMILTON ONTARIO ON L8L 1A9	OPCB

Year: 2003
Site Number: 20190A017
Name Owner:
Additional Site Information:

--Details--
Quantity: 6.00
Address Site:
Description: Number of Drums of Ballasts with High Level PCBs (>1000 ppm)

Quantity: 1375.00
Address Site:
Description: Weight of Drums of Ballasts with High Level PCBs (>1000 ppm) kg

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	26 of 30	-/0.0	84.7	City Of Hamilton 125 Barton St West Maintenance Shop Hamilton ON L8L 1A9	OPCB

Year: 2013
Site Number: 20190A017
Name Owner: City Of Hamilton
Additional Site Information: Maintenance Shop

--Details--
Quantity: 1
Address Site:
Description: High Number of Drums Ballasts (Count)

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Quantity: 3
Address Site:
Description: High Total Weight of Ballast in Drum (kg)

Quantity: 3
Address Site:
Description: High Calculated Total Weight of Ballast (kg)

---

16 | ***27 of 30*** | ***-/0.0*** | ***84.7*** | ***CITY OF HAMILTON***
MAINTENANCE SHOP 125 BARTON ST WEST
HAMILTON ONTARIO ON L8L 1A9 | ***OPCB***

Year: 2000
Site Number: 20190A017
Name Owner:
Additional Site Information:

--Details--
Quantity: 6.00
Address Site:
Description: Number of Drums of Ballasts with High Level PCBs (>1000 ppm)

Quantity: 1200.00
Address Site:
Description: Calculated Weight (Kg) of Drums of Ballasts with High Level PCBs (>1000 ppm)

---

16 | ***28 of 30*** | ***-/0.0*** | ***84.7*** | ***City Of Hamilton***
125 Barton St West Maintenance Shop
Hamilton ON L8L 1A9 | ***OPCB***

Year: 2012
Site Number: 20190A017
Name Owner: City Of Hamilton
Additional Site Information: Maintenance Shop

--Details--
Quantity: 1
Address Site:
Description: High Number of Drums Ballasts (Count)

Quantity: 3
Address Site:
Description: High Total Weight of Ballast in Drum (kg)

Quantity: 3
Address Site:
Description: High Calculated Total Weight of Ballast (kg)

---

16 | ***29 of 30*** | ***-/0.0*** | ***84.7*** | ***CITY OF HAMILTON***
MAINTENANCE SHOP 125 BARTON ST WEST
HAMILTON ONTARIO ON L8L 1A9 | ***OPCB***

Year: 1995
Site Number: 20190A017
Name Owner:
Additional Site Information:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

--Details--
Quantity: 9.00
Address Site:
Description: Number of Drums of Ballasts with High Level PCBs (>1000 ppm)

Quantity: 1800.00
Address Site:
Description: Weight of Drums of Ballasts with High Level PCBs (>1000 ppm) kg

---

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
16	30 of 30	-/0.0	84.7	HAMILTON, CORPORATION OF THE CITY OF MAINTENANCE SHOP 125 BARTON STREET WEST HAMILTON ON L8L 1A9	REC

Rec Op Div:
Co Admin:
Phone No Admin:
Rec Div:
Rec Op Name:
Choice of Contact:
Site Bldg:
Site PO Box:
Receiver #:: 201-90A017
Facility Type: TRANSFER STATION
Approval Yrs:: 97,98,99,00,01,02,03,04,05,06,07,08

--Details--
Waste Code: 243
Waste Description: PCB'S

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
17	1 of 18	-/0.0	81.9	198 Barton Street West Hamilton ON L8R 2H4	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20041125009
Addit. Info Ordered::
Report Date: 11/29/04
Report Type: Site Report
Search Radius (km): 0.25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
17	2 of 18	-/0.0	81.9	198 Barton St W Hamilton ON L8R 2H4	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20030915011
Addit. Info Ordered::
Report Date: 9/15/03
Report Type: Site Report
Search Radius (km): 0.25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
17	3 of 18	-/0.0	81.9	DK'S GAS BAR INC O/A GAS STN 198 BARTON ST W AT HESS HAMILTON ON	EXP

Instance No:	11186160
Instance ID:	73046
Instance Type:	FS Piping
Description:	FS Piping
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
17	4 of 18	-/0.0	81.9	DK'S GAS BAR INC O/A GAS STN 198 BARTON ST W AT HESS HAMILTON ON	EXP

Instance No:	9639387
Instance ID:	391673
Instance Type:	FS Facility
Description:	FS Propane Refill Cntr - Cylr Fill
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
17	5 of 18	-/0.0	81.9	DK'S GAS BAR INC O/A GAS STN 198 BARTON ST W AT HESS HAMILTON ON L8R 2H4	EXP

Instance No:	10024270
Instance ID:	
Instance Type:	FS Facility
Description:	
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	12/4/2009 13:47

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
17	6 of 18	-/0.0	81.9	DK'S GAS BAR INC O/A GAS STN 198 BARTON ST W AT HESS HAMILTON ON	EXP

Instance No:	11186191
Instance ID:	73132
Instance Type:	FS Piping
Description:	FS Piping
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
17	7 of 18	-/0.0	81.9	DK'S GAS BAR INC O/A GAS STN 198 BARTON ST WAT HESS HAMILTON ON L8R 2H4	FST

Instance No:	11186130
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Gasoline
Status:	Active
Capacity:	25000
Tank Material:	Steel
Corrosion Protection:	Sacrificial anode
Tank Type:	Single Wall UST
Install Year:	1985
Parent Facility Type:	FS Gasoline Station - Self Serve
Facility Type:	FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
17	8 of 18	-/0.0	81.9	DK'S GAS BAR INC O/A GAS STN 198 BARTON ST WAT HESS HAMILTON ON L8R 2H4	FST

Instance No:	11186117
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Gasoline
Status:	Active
Capacity:	25000
Tank Material:	Steel
Corrosion Protection:	Sacrificial anode
Tank Type:	Single Wall UST
Install Year:	1985
Parent Facility Type:	FS Gasoline Station - Self Serve
Facility Type:	FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
17	9 of 18	-/0.0	81.9	DK'S GAS BAR INC O/A GAS STN 198 BARTON ST WAT HESS HAMILTON ON L8R 2H4	FST

Instance No:	11186142
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Gasoline
Status:	Active
Capacity:	25000
Tank Material:	Steel
Corrosion Protection:	Sacrificial anode
Tank Type:	Single Wall UST
Install Year:	1985
Parent Facility Type:	FS Gasoline Station - Self Serve
Facility Type:	FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
17	10 of 18	-/0.0	81.9	DK'S GAS BAR INC O/A GAS STN 198 BARTON ST WAT HESS HAMILTON ON L8R 2H4	FST

Instance No:	11186171
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Diesel
Status:	Active

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Capacity: 25000
Tank Material: Steel
Corrosion Protection: Sacrificial anode
Tank Type: Single Wall UST
Install Year: 1985
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Type: FS Liquid Fuel Tank

17	11 of 18	-/0.0	81.9	DK'S GAS BAR INC O/A GAS STN 198 BARTON ST WAT HESS HAMILTON ON L8R 2H4	FST

Instance No: 11186098
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Gasoline
Status: Active
Capacity: 25000
Tank Material: Steel
Corrosion Protection: Sacrificial anode
Tank Type: Single Wall UST
Install Year: 1985
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Type: FS Liquid Fuel Tank

17	12 of 18	-/0.0	81.9	The Corporation of The City of Hamilton 198 Barton Street W Hamilton ON L8R 2H3	GEN

Generator No.: ON9693562
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 213118
SIC Description: SERVICES TO OIL AND GAS EXTRACTION

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

17	13 of 18	-/0.0	81.9	198 BARTON ST. W. HAMILTON ON	PRT

Location ID: 5806
Type: retail
Expiry Date:
Capacity (L):
Licence #:

17	14 of 18	-/0.0	81.9	SANDHU GAS & CO 198 BARTON ST W HAMILTON ON L8R 2H4	RST

Code: 01186800
Facility: SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS
Description:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
List Name:					
17	15 of 18	-/0.0	81.9	SUNNY GAS CO 198 BARTON ST W HAMILTON ON L8R 2H4	RST
Code:	01186800				
Facility:	SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS				
Description:					
List Name:					
17	16 of 18	-/0.0	81.9	SANDHU GAS & CO 198 BARTON ST W HAMILTON ON L8R2H4	RST
Code:	01186800				
Facility:	SERVICE STATIONS GASOLINE OIL & NATURAL				
Description:					
List Name:					
17	17 of 18	-/0.0	81.9	SHANDU GAS CO 198 BARTON ST W HAMILTON ON L8R2H4	RST
Code:	1186800				
Facility:	Service Stations-Gasoline, Oil & Natural Gas				
Description:					
List Name:					
17	18 of 18	-/0.0	81.9	ESSO CHEMICAL SUNNYS GAS BAR, 198 BARTON STREET W TANK TRUCK (CARGO) HAMILTON CITY ON L8R 2H4	SPL
Ref No:	22326				
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:	VALVE/FITTING LEAK OR FAILURE				
Incident Dt:	7/20/1989				
Incident Reason:	MATERIAL FAILURE				
Incident Summary:	ESSO - LOST 10L OF GAS TO GROUND.				
MOE Reported Dt:	7/20/1989				
Environmental Impact:					
Nature of Impact:					
Receiving Medium:	LAND				
SAC Action Class:					
Sector Source Type:					
Receiving Environment:					
Incident Event:					
Site Municipality:	16101				
18	1 of 2	-/0.0	79.1	BRANARD CORPORATION 05-793 175 STUART STREET P.O. BOX 423, DEPOT #1 HAMILTON ON L8L 7W2	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Generator No.: ON1546700
Status:
Approval Years: 94,95
Contam. Facility:
MHSW Facility:
SIC Code: 7215
SIC Description: HOLDING COMPANIES

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

18	2 of 2	-/0.0	79.1	**BRANARD CORPORATION(OUT OF BUS)** **175 STUART STREET P.O. BOX 423, DEPOT #1** **HAMILTON ON L8L 7W2**	GEN

Generator No.: ON1546700
Status:
Approval Years: 92,93,96,97,98
Contam. Facility:
MHSW Facility:
SIC Code: 7215
SIC Description: HOLDING COMPANIES

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

19	1 of 3	-/0.0	90.0	**Joseph Varga** **112 Barton St W** **Hamilton ON L8L 1A8**	CA

Certificate #: 6953-7TRKWM
Application Year: 2009
Issue Date: 7/9/2009
Approval Type: Air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

19	2 of 3	-/0.0	90.0	**Joseph Varga** **112 Barton Street West** **Hamilton ON L8L 1A8**	EBR

Company Name:
Year: 2009
Notice Type: Instrument Proposal
EBR Registry No.: 010-6804
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date: May 28, 2009
Ministry Ref. No.: 9713-7S2KUB
Location: 112 Barton Street West Hamilton L8L 1A8

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Proponent Address: 112 Barton Street West Hamilton Ontario Canada L8L 1A8
Notice Date:

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19 | **3 of 3** | **-/0.0** | **90.0** | **Joseph Varga**
112 Barton St W
Hamilton ON L8L 1A8 | **ECA**

Approval No: 6953-7TRKWM
Project Type: Air
Date: 7/9/2009 2:52:43 PM
Status: Approved
Longitude: -79.87071
Latitude: 43.2655369999999
Record Type: ECA
PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/9713-7S2KUB-14.pdf
Full Address:

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20 | **1 of 1** | **-/0.0** | **79.6** | **ON** | **BORE**

Borehole ID: 625593
Use: Geotechnical/Geological Investigation
Drill Method:: Power auger
Easting:: 591634
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: 9.6
Township::
Lot::
Completion Date:: APR-1968
Primary Water Use:: Not Used

Type: Borehole
Status::
UTM Zone:: 17
Northing:: 4791113
Orig. Ground Elev m:: 79.9
DEM Ground Elev m:: 78.9
Primary Name::
Concession::
Municipality:
Static Water Level:: .1
Sec. Water Use::

--Details--

Stratum ID: 218437288
Bottom Depth(m): 1.1
Top Depth(m): 0.0
Stratum Desc: FILL,SAND,BRICK. FRACTURED.

Stratum ID: 218437289
Bottom Depth(m): 5.2
Top Depth(m): 1.1
Stratum Desc: SILT,SAND-MEDIUM. RED,LOOSE,AGE QUATERNARY, WATER STABLE AT 261.7 FEET.

Stratum ID: 218437290
Bottom Depth(m): 6.7
Top Depth(m): 5.2
Stratum Desc: PEAT,ORGANIC. BLACK,AGE QUATERNARY.

Stratum ID: 218437291
Bottom Depth(m): 9.6
Top Depth(m): 6.7
Stratum Desc: CLAY,SILT,GRAVEL. GREEN,STIFF,AGE QUATERNARY. 00000008000350040017000400220032

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21 | **1 of 5** | **-/0.0** | **78.9** | **IMTREX COMMODITIES INC.**
249 HESS ST. NORTH
HAMILTON CITY ON L8R 2T7 | **CA**

Certificate #: 8-2200-88-
Application Year: 88
Issue Date: 11/18/1988
Approval Type: Industrial air

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: PRCUMATIC CONV. AND DUST COLL
Contaminants:: Suspended Particulate Matter
Emission Control:: Baghouse (Incl Vent Fil.)

21	*2 of 5*	*-/0.0*	*78.9*	***249 Hess Street N Hamilton ON L8R 2T7***	***EHS***

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20130412009
Addit. Info Ordered:: City Directory
Report Date: 22-APR-13
Report Type: Standard Report
Search Radius (km): .25

21	*3 of 5*	*-/0.0*	*78.9*	***City of Hamilton 249 Hess Street North Hamilton ON L8R 2T7***	***GEN***

Generator No.: ON4834925
Status: Registered
Approval Years: As of Jun 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country: Canada
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 146 L
Waste Description: Other specified inorganic sludges, slurries or solids

Waste Code: 148 I
Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 122 C
Waste Description: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Code: 252 L
Waste Description: Waste crankcase oils and lubricants

Waste Code: 251 L
Waste Description: Waste oils/sludges (petroleum based)

Waste Code: 112 C
Waste Description: Acid solutions - containing heavy metals

Waste Code: 263 I
Waste Description: Misc. waste organic chemicals

Waste Code: 213 I
Waste Description: Petroleum distillates

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
21	4 of 5	-/0.0	78.9	249 Hess Hamilton ON	SPL

Ref No: 5661-A8JRZM
Contaminant Code: 41
Contaminant Name: SLUDGE (N.O.S.)
Contaminant Quantity: 6000 L
Incident Cause:
Incident Dt: 2016/03/30
Incident Reason: Unknown / N/A
Incident Summary: 6000 L sludge, water to abandonded shipping yard, contained and cleaned
MOE Reported Dt: 2016/03/30
Environmental Impact:
Nature of Impact:
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Unknown / N/A
Receiving Environment: Land
Incident Event: Unknown / N/A
Site Municipality: Hamilton

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
21	5 of 5	-/0.0	78.9	HAMILTON HYDRO & ENGINEERING D 249 HESS ST NORTH TRANSFORMER HAMILTON CITY ON L8R 2T7	SPL

Ref No: 119799
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: COOLING SYSTEM LEAK
Incident Dt: //
Incident Reason: VANDALISM
Incident Summary: HAMILTON HYDRO-810L MIN- ERAL OIL TO GND OVER UNK TIME.ADVISED TO CLEAN.
MOE Reported Dt: 10/18/1995
Environmental Impact: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 16101

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
22	1 of 1	-/0.0	78.8	ON	WWIS

Well ID: 7217133
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Specific Capacity:
Municipality: HAMILTON CITY (BARTON)
County: WENTWORTH
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information
-- --
Bore Hole ID: 1004716796
DP2BR:
Code OB:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Code OB Description:
Open Hole:
Date Completed: 28-AUG-13
Remarks:
Zone: 17
East 83: 591337
North 83: 4791085
UTMRC: 4
UTMRC Description: margin of error : 30 m - 100 m
Location Method: wwr
Org CS: UTM83
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
-- --
-- --

23	*1 of 2*	*-/0.0*	*78.6*	***M.C. OF CANADA*** ***252 STUART ST*** ***HAMILTON ON L8R 3N7***	***SCT***

Established: 1915
Plant Size (ft²): 0
Employment: 3

--Details--
Description: Paint and Coating Manufacturing
SIC/NAICS Code: 325510

Description: Adhesive Manufacturing
SIC/NAICS Code: 325520

23	*2 of 2*	*-/0.0*	*78.6*	***MC CANADA*** ***252 Stuart St*** ***Hamilton ON L8R 3N7***	***SCT***

Established: 1915
Plant Size (ft²): 0
Employment: 3

--Details--
Description: Paint and Coating Manufacturing
SIC/NAICS Code: 325510

Description: Adhesive Manufacturing
SIC/NAICS Code: 325520

24	*1 of 1*	*E/2.2*	*90.1*	***36 Tiffany St*** ***Hamilton ON***	***EHS***

Postal Code:
City: Hamilton
Address2:

Address1:	36 Tiffany St
Provstate:	ON
Order No.:	20141112134
Addit. Info Ordered::	
Report Date:	19-NOV-14
Report Type:	RSC Report (Urban)
Search Radius (km):	.3

25 **1 of 1** **NNE/3.0** **78.8** **HAMILTON ON** **WWIS**

Well ID:	7146073	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:	Test Hole	**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Test Hole	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HAMILTON CITY	**UTM Reliability:**	
County:	WENTWORTH		

Bore Hole Information

--	--
Bore Hole ID:	1002988838
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	02-APR-10
Remarks:	
Zone:	17
East 83:	591571
North 83:	4791137
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	78.9
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	1003114739
Layer:	1
General Color:	BROWN
Most Common Material:	FILL
Other Materials:	
Other Materials:	WATER-BEARING
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	1003114740
Layer:	2
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	

Other Materials:	WATER-BEARING
Formation Top Depth:	4
Formation End Depth:	12
Formation End Depth UOM:	ft
--	--
Formation ID:	1003114741
Layer:	3
General Color:	GREY
Most Common Material:	CLAY
Other Materials:	
Other Materials:	WATER-BEARING
Formation Top Depth:	12
Formation End Depth:	14
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1003114743
Layer:	1
Plug From:	14
Plug To:	3
Plug Depth UOM:	ft
--	--
Plug ID:	1003114744
Layer:	2
Plug From:	3
Plug To:	1
Plug Depth UOM:	ft
--	--
Plug ID:	1003114745
Layer:	3
Plug From:	1
Plug To:	0
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1003114750
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1003114738
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1003114747
Layer:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1003114748

Layer:	1
Slot:	10
Screen Top Depth:	4
Screen End Depth:	14
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2
--	--
Hole Diameter	
--	--
Hole ID:	1003114742
Diameter:	8
Depth From:	14
Depth To:	0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

26 **1 of 1** **W/4.3** **82.3** **HAMILTON HYDRO & ENGINEERING D**
BARTON STREET, 2ND POLE WEST OF HESS
ST. TRANSFORMER
HAMILTON CITY ON
SPL

Ref No:	118756
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	OTHER CONTAINER LEAK
Incident Dt:	9/21/1995
Incident Reason:	EQUIPMENT FAILURE
Incident Summary:	HAMILTON HYDRO - 227L NON PCB TRANS.OIL TO GND NO SEWERS, CLEANING UP.
MOE Reported Dt:	9/21/1995
Environmental Impact:	POSSIBLE
Nature of Impact:	Soil contamination
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	16101

27 **1 of 1** **NE/8.6** **79.6** **ON** **BORE**

Borehole ID:	625594	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591644	**Northing::**	4791123
Location Accuracy::		**Orig. Ground Elev m::**	85.3
Elev. Reliability Note::		**DEM Ground Elev m::**	79
Total Depth m::	18	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUN-1967	**Static Water Level::**	.2
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218437292	**Top Depth(m):**	0.0
Bottom Depth(m):	3.0	**Stratum Desc:**	FILL. DENSE.

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Stratum ID:	218437293	**Top Depth(m):**	3.0
Bottom Depth(m):	5.8	**Stratum Desc:**	SILT,SAND. RED,LOOSE, WATER STABLE AT 279.2 FEET.
Stratum ID:	218437294	**Top Depth(m):**	5.8
Bottom Depth(m):	18.0	**Stratum Desc:**	CLAY. BROWN,HARD. T 2

---

28 | **1 of 1** | **NNW/9.3** | **78.8** | **Stuart Street, Hamilton ON** | **EHS**

Postal Code:	
City:	Hamilton
Address2:	
Address1:	Stuart Street
Provstate:	ON
Order No.:	20151211078
Addit. Info Ordered::	
Report Date:	18-DEC-15
Report Type:	Standard Report
Search Radius (km):	.25

---

29 | **1 of 1** | **NE/11.8** | **79.5** | **Stuart Street && Tiffany Street, Hamilton ON** | **EHS**

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20021029010
Addit. Info Ordered::	Fire Insur. Maps and/or Site Plans and/or Inspection Reports
Report Date:	11/21/02
Report Type:	Custom Report
Search Radius (km):	1.70

---

30 | **1 of 1** | **NNW/14.5** | **78.5** | **Queen Street and Stuart Street, Hamilton ON** | **CA**

Certificate #:	0766-4NQRML
Application Year:	00
Issue Date:	9/1/00
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name::	Corporation of the Regional Municipality of Hamilton-Wentworth
Client Address::	71 Main Street West, 2nd Floor
Client City::	Hamilton
Client Postal Code::	L8N 3T4
Project Description::	Construction of watermains on Queen Street and Stuart Street.
Contaminants::	
Emission Control::	

---

31 | **1 of 1** | **SSW/14.6** | **84.2** | **Hamilton ON** | **WWIS**

Well ID:	7234531	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:	Other	**Concession Name:**	
Sec. Water Use:	Monitoring	**Easting NAD83:**	

Final Well Status:	Monitoring and Test Hole	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	HAMILTON CITY (BARTON)	***UTM Reliability:***	
County:	WENTWORTH		

Bore Hole Information

--	--
Bore Hole ID:	1005268005
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	17-OCT-14
Remarks:	
Zone:	17
East 83:	591472
North 83:	4790879
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	1005473338
Layer:	1
General Color:	BROWN
Most Common Material:	FILL
Other Materials:	SILTY
Other Materials:	SAND
Formation Top Depth:	0
Formation End Depth:	2.5
Formation End Depth UOM:	m
--	--
Formation ID:	1005473339
Layer:	2
General Color:	BROWN
Most Common Material:	GRAVEL
Other Materials:	SAND
Other Materials:	
Formation Top Depth:	2.5
Formation End Depth:	9
Formation End Depth UOM:	m
--	--
Formation ID:	1005473340
Layer:	3
General Color:	BROWN
Most Common Material:	SILT
Other Materials:	CLAY
Other Materials:	
Formation Top Depth:	9
Formation End Depth:	13.7
Formation End Depth UOM:	m
--	--

Annular Space/Abandonment Sealing Record

--	--
Plug ID:	1005473348
Layer:	1
Plug From:	0
Plug To:	.3
Plug Depth UOM:	m
--	--
Plug ID:	1005473349
Layer:	2
Plug From:	.3
Plug To:	11.7
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1005473347
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1005473337
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1005473343
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	12
Casing Diameter:	5.1
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1005473344
Layer:	1
Slot:	.10
Screen Top Depth:	12
Screen End Depth:	13.7
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.4
--	--
Hole Diameter	
--	--
Hole ID:	1005473341
Diameter:	21
Depth From:	0
Depth To:	13.7
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

32	1 of 1	WSW/15.5	83.2	ON	BORE

Borehole ID:	625903	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591404	**Northing::**	4790963
Location Accuracy::		**Orig. Ground Elev m::**	98.2
Elev. Reliability Note::		**DEM Ground Elev m::**	84.1
Total Depth m::	7.8	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	AUG-1967	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218438207	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL,GRAVEL.
Stratum ID:	218438208	**Top Depth(m):**	0.2
Bottom Depth(m):	2.5	**Stratum Desc:**	SAND,SILT. LOOSE,LAYERED,AGE QUATERNARY.
Stratum ID:	218438209	**Top Depth(m):**	2.5
Bottom Depth(m):	7.8	**Stratum Desc:**	SAND-FINE,GRAVEL. BROWN,VERY DENSE,LAYERED, AGE QUATERNARY. 0000700600083080

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33 ***1 of 2*** ***W/18.5*** ***82.7*** ***221 Barton St. W. & 217 Hess St. N. Hamilton ON*** ***EHS***

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20030702008
Addit. Info Ordered::	
Report Date:	7/3/03
Report Type:	Basic Report
Search Radius (km):	0.25

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33 ***2 of 2*** ***W/18.5*** ***82.7*** ***221 Barton St W & 217 Hess St N Hamilton ON*** ***EHS***

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20030623014
Addit. Info Ordered::	
Report Date:	6/25/03
Report Type:	Site Report
Search Radius (km):	0.25

---

34 ***1 of 1*** ***W/18.5*** ***82.3*** ***ON*** ***BORE***

Borehole ID:	621878	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17

Easting::	591344	***Northing::***	4790983
Location Accuracy::		***Orig. Ground Elev m::***	84.1
Elev. Reliability Note::		***DEM Ground Elev m::***	83.1
Total Depth m::	12.6	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	FEB-1963	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218423032	***Top Depth(m):***	0.0
Bottom Depth(m):	1.7	***Stratum Desc:***	FILL,SAND. BROWN,MAN-MADE,DENSE,GRANULAR,AGE POST-GLACIAL.
Stratum ID:	218423033	***Top Depth(m):***	1.7
Bottom Depth(m):	3.2	***Stratum Desc:***	FILL,CINDERS. BUFF,MAN-MADE,LOOSE,UNIFORM, AGE POST-GLACIAL.
Stratum ID:	218423034	***Top Depth(m):***	3.2
Bottom Depth(m):	3.7	***Stratum Desc:***	SAND,SILT. BROWN,LACUSTRINE,LOOSE, UNIFORM,AGE GLACIAL.
Stratum ID:	218423035	***Top Depth(m):***	3.7
Bottom Depth(m):	5.0	***Stratum Desc:***	SILT,SAND,CLAY. BROWN,LACUSTRINE,SOFT,UNIFORM,AGE GLACIAL.
Stratum ID:	218423036	***Top Depth(m):***	5.0
Bottom Depth(m):	5.6	***Stratum Desc:***	SILT,SAND-MEDIUM. BROWN,LACUSTRINE,LOOSE, FISSURED,AGE GLACIAL.
Stratum ID:	218423037	***Top Depth(m):***	5.6
Bottom Depth(m):	6.0	***Stratum Desc:***	CLAY,SILT,GRAVEL. BROWN,LACUSTRINE,STIFF, UNIFORM.
Stratum ID:	218423038	***Top Depth(m):***	6.0
Bottom Depth(m):	9.1	***Stratum Desc:***	CLAY,SILT,GRAVEL. GREEN,LACUSTRINE,STIFF, UNIFORM,AGE GLACIAL.
Stratum ID:	218423039	***Top Depth(m):***	9.1
Bottom Depth(m):	12.6	***Stratum Desc:***	CLAY(45),SILT(50), GRAVEL. GREEN,LACUSTRINE,STIFF, UNIFORM,AGE GLACIAL. 010 034

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35 ***1 of 36*** ***NNW/19.0*** ***78.1*** ***CANADIAN NATIONAL RAILWAY***
241 STUART ST. (RAIL YARD)
HAMILTON CITY ON L8R 2W6 ***CA***

Certificate #:	4-0074-99-
Application Year:	99
Issue Date:	12/15/1999
Approval Type:	Industrial wastewater
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	G-WATER PRODUCT EXTRACTION TRENCH
Contaminants::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Emission Control::					

35	2 of 36	NNW/19.0	78.1	**Canadian National Railway** **241 Stuart Street** **City of Hamilton ON L8R 2W6**	EBR

Company Name:
Year: 1999
Notice Type: Instrument
EBR Registry No.: IA9E0752
Instrument Type: OWRA s. 53(1) - Approval for sewage works
Proposal Date: 6/22/99
Ministry Ref. No.:
Location: City of Hamilton
Proponent Address: Canadian National Railway277 Front Street West, 7th Floor,Toronto, Ontario, M5V 2X7
Notice Date:

35	3 of 36	NNW/19.0	78.1	**C N R** **241 STUART ST** **HAMILTON ON**	EXP

Instance No: 9890667
Instance ID: 398158
Instance Type: FS Facility
Description: FS Propane Refill Cntr - Cylr Fill
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

35	4 of 36	NNW/19.0	78.1	**THE REGIONAL MUNICIPALITY OF HAMILTON WENTWORTH - TRANSPORTATION/ENVIRONMENTAL** **241 STUART ST** **HAMILTON ON**	EXP

Instance No: 10192501
Instance ID: 13430
Instance Type: FS Facility
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

35	5 of 36	NNW/19.0	78.1	**THE REGIONAL MUNICIPALITY OF HAMILTON WENTWORTH - TRANSPORTATION/ENVIRONMENTAL** **241 STUART ST** **HAMILTON ON L8R 2W6**	EXP

Instance No: 11497289
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description:
Status: EXPIRED
TSSA Program Area:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Maximum Hazard Rank:
Facility Type:
Expired Date: 6/24/1997

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35 **6 of 36** **NNW/19.0** **78.1** **TRANSPORT ROUTE CANADA INC. 38-285**
ROUTE CANADA TERMINAL 241 STUART ST.
HAMILTON ON L8R 2W6 **GEN**

Generator No.: ON0099207
Status:
Approval Years: 92,93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 4561
SIC Description: GEN. FREIGHT TRUCK.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

---

35 **7 of 36** **NNW/19.0** **78.1** **SOUTHERN ONTARIO RAILWAY**
241 STUART ST. WEST
HAMILTON ON **GEN**

Generator No.: ON2467704
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 482112
SIC Description: Short-Haul Freight Rail Transportation

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

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35 **8 of 36** **NNW/19.0** **78.1** **CANADIAN NATIONAL RAILWAY**
HAMILTON DIESEL SHOP 241 STUART STREET **GEN**

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
				WEST HAMILTON ON L8R 3H2	

Generator No.: ON0013110
Status:
Approval Years: 86,87,88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 0007
SIC Description: LETTER ACKNOWLEDG.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 221
Waste Description: LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	9 of 36	NNW/19.0	78.1	CN NORTH AMERICA HAMILTON DIESEL SHOP 241 STUART STREET WEST HAMILTON ON L8R 2W6	GEN

Generator No.: ON0013110
Status:
Approval Years: 97,98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 4531
SIC Description: RAILWAY TRANS. IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	10 of 36	NNW/19.0	78.1	CANADIAN NATIONAL RAILWAY 08-156 HAMILTON DIESEL SHOP 241 STUART STREET WEST HAMILTON ON L8R 2W6	GEN

Generator No.: ON0013110
Status:
Approval Years: 94
Contam. Facility:
MHSW Facility:
SIC Code: 4531

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

SIC Description: RAILWAY TRANS. IND.

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 221
Waste Description: LIGHT FUELS

---

35 **11 of 36** **NNW/19.0** **78.1** **SOUTHERN ONTARIO RAILWAY** **GEN**
241 STUART ST. WEST
HAMILTON ON

Generator No.: ON2467704
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 482112
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

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35 **12 of 36** **NNW/19.0** **78.1** **CN NORTH AMERICA** **08-156** **GEN**
HAMILTON DIESEL SHOP 241 STUART STREET WEST
HAMILTON ON L8R 2W6

Generator No.: ON0013110
Status:
Approval Years: 92,93,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 4531
SIC Description: RAILWAY TRANS. IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

35 | **13 of 36** | **NNW/19.0** | **78.1** | **SOUTHERN ONTARIO RAILWAY**
241 STUART STREET WEST
HAMILTON ON L8R 2W6 | **GEN**

Generator No.: ON2467704
Status:
Approval Years: 99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 4531
SIC Description: RAILWAY TRANS. IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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35 | **14 of 36** | **NNW/19.0** | **78.1** | **SOUTHERN ONTARIO RAILWAY**
241 STUART ST. WEST
HAMILTON ON | **GEN**

Generator No.: ON2467704
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 482112
SIC Description: Short-Haul Freight Rail Transportation

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

---

35 **15 of 36** **NNW/19.0** **78.1**

City of Hamiltn
241 Stuart Street
Hamilton ON L8R 2W6

GEN

Generator No.: ON9029064
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 447190, 913910
SIC Description: Other Gasoline Stations, Other Local Municipal and Regional Public Administration

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 243
Waste Description: PCBS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

35 **16 of 36** **NNW/19.0** **78.1**

TRANSPORT ROUTE CANADA INC.
ROUTE CANADA TERMINAL 241 STUART ST.
HAMILTON ON L8R 2W6

GEN

Generator No.: ON0099207
Status:
Approval Years: 86,87,88,89
Contam. Facility:
MHSW Facility:
SIC Code: 0000
SIC Description: *** NOT DEFINED ***

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

---

35 **17 of 36** **NNW/19.0** **78.1**

HAMILTON-WENTWORTH, REGIONAL MUN. OF
241 STUART STREET
HAMILTON ON L8R 2W6

GEN

Generator No.: ON0217724
Status:
Approval Years: 98
Contam. Facility:
MHSW Facility:
SIC Code: 4799
SIC Description: OTHER STOR./WARE.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 243
Waste Description: PCB'S

---

35 **18 of 36** **NNW/19.0** **78.1** ***TRANSPORT ROUTE CANADA INC.***
ROUTE CANADA TERMINAL 241 STUART STREET
HAMILTON ON L8R 2W6 ***GEN***

Generator No.: ON0099207
Status:
Approval Years: 98
Contam. Facility:
MHSW Facility:
SIC Code: 4561
SIC Description: GEN. FREIGHT TRUCK.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

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35 **19 of 36** **NNW/19.0** **78.1** ***SOUTHERN ONTARIO RAILWAY***
241 STUART ST. WEST
HAMILTON ON L8R 3H2 ***GEN***

Generator No.: ON2467704
Status:
Approval Years: 02,03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code: 482112
SIC Description: Short-Haul Freight Rail Transportation

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Waste Code: 221
Waste Description: LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	20 of 36	NNW/19.0	78.1	Hamilton Police Services 241 Stuart Street Hamilton ON L8R 2W6	GEN

Generator No.: ON7811925
Status:
Approval Years: 02,03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	21 of 36	NNW/19.0	78.1	SOUTHERN ONTARIO RAILWAY 241 STUART ST. WEST HAMILTON ON	GEN

Generator No.: ON2467704
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 482112
SIC Description: Short-Haul Freight Rail Transportation

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	22 of 36	NNW/19.0	78.1	SOUTHERN ONTARIO RAILWAY 241 STUART ST. WEST HAMILTON ON L8R 3H2	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Generator No.: ON2467704
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 482112
SIC Description: Short-Haul Freight Rail Transportation

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	23 of 36	NNW/19.0	78.1	HAMILTON-WENTWORTH REGION 241 STUART STREET HAMILTON ON L8R 2W6	GEN

Generator No.: ON0217724
Status:
Approval Years: 93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 4799
SIC Description: OTHER STOR./WARE.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 243
Waste Description: PCB'S

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	24 of 36	NNW/19.0	78.1	Canadian National Railways 241 Stuart S. N., Hamilton ON	NCPL

Year: 2003
Discharge Type: Industrial Sewage
Sector: Miscellaneous
Type of Concern: C of A Non-Compliance
Contaminant:: total petroleum hydrocarbons
Status Report::

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

--Details--
Incident Date: 10/10/2003
Limit/Unit/Freq: 1 mg/L any
Quantity Min/Max: 2/
Facility Action: Action Plan Submitted - Implementing Improvements
Ministry Action: Voluntary Abatement Program Underway

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	25 of 36	NNW/19.0	78.1	REGIONAL MUN.OF HAMILTON - WENTWORTH 241 STUART STREET HAMILTON ON L8R 2W6	NPCB

Company Code: F0359
Industry: UNDEFINED
Site Status:
Transaction Date:
Inspection Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	26 of 36	NNW/19.0	78.1	REGIONAL MUN. OF HAMILTON-WENTWORTH 241 STUART STREET HAMILTON ON L8R 2W6	NPCB

Company Code: F0370
Industry:
Site Status:
Transaction Date: 1/29/1996
Inspection Date:

--Details--
Label:
Serial No.:
PCB Type/Code: Askarel
Location:
Item/State:
No. of Items:
Manufacturer:
Status: Stored for Disposal
Contents: 0.00 KG

Label:
Serial No.:
PCB Type/Code: Low 50 - 10,000 ppm
Location:
Item/State:
No. of Items:
Manufacturer:
Status: Stored for Disposal
Contents: 3450.00 KG

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	27 of 36	NNW/19.0	78.1	REGIONAL MUN. OF HAMILTON-WENTWORTH 241 STUART STREET HAMILTON ON L8R 2W6	OPCB

Year: 2000
Site Number: 20193A043
Name Owner:
Additional Site Information:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	28 of 36	NNW/19.0	78.1	REGIONAL MUN. OF HAMILTON-WENTWORTH 241 STUART STREET HAMILTON ON L8R 2W6	OPCB

Year: 1998
Site Number: 20193A043
Name Owner:
Additional Site Information:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	29 of 36	NNW/19.0	78.1	REGIONAL MUN. OF HAMILTON-WENTWORTH 241 STUART STREET HAMILTON ON L8R 2W6	OPCB

Year: 1995
Site Number: 20193A043
Name Owner:
Additional Site Information:

--Details--
Quantity: 5580.00
Address Site:
Description: Weight of Bulk Liquid with Low Level PCBs (< 1000 ppm) kg

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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	30 of 36	NNW/19.0	78.1	REGIONAL MUN. OF HAMILTON-WENTWORTH 241 STUART STREET HAMILTON ON L8R 2W6	OPCB

Year: 1999
Site Number: 20193A043
Name Owner:
Additional Site Information:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	31 of 36	NNW/19.0	78.1	C N R 241 STUART ST HAMILTON ON L8R 2W6	PRT

Location ID: 19478
Type: retail
Expiry Date: 1993-01-31
Capacity (L): 1885
Licence #: 0076345883

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	32 of 36	NNW/19.0	78.1	Canadian National RailwayMacmillan Yard 241 Stuart Street City of Hamilton ON L8R 2W6	PTTW

Year: 1999
EBR Registry No.: IA9E1359
Ministry Reference Number:
Notice Type: Instrument
Instrument Type: OWRA s. 34 - Permit to take water
Proposal Date: 12/7/99
Location: City of Hamilton
Proponent Address: Canadian National RailwayMacmillan Yard,277 Front Street West,Toronto, Ontario, M5V 2X7
Notice Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	33 of 36	NNW/19.0	78.1	HAMILTON-WENTWORTH, THE REGIONAL MUN.OF 241 STUART STREET HAMILTON ON L8R 2W6	REC

Rec Op Div:
Co Admin:
Phone No Admin:
Rec Div:
Rec Op Name:
Choice of Contact:
Site Bldg:
Site PO Box:
Receiver #:: 201-93A043
Facility Type: TRANSFER STATION
Approval Yrs:: 94,95,96,97,98,99,00,01,02,03,04,05,06,07,08

--Details--
Waste Code: 243
Waste Description: PCB'S

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	34 of 36	NNW/19.0	78.1	CANADIAN NATIONAL RAILWAY 241 STEWART ST. W. HAMILTON YARD TRAIN HAMILTON CITY ON	SPL

Ref No: 92786
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 10/27/1993
Incident Reason: DAMAGE BY MOVING EQUIPMENT
Incident Summary: CN RAIL: LOCOMOTIVE RAN OVER STOP LOCK 45L DIESELLEAK FROM TANK PIPE
MOE Reported Dt: 10/27/1993
Environmental Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 16101

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	35 of 36	NNW/19.0	78.1	CANADIAN NATIONAL RAILWAY 241 STEWART ST. OUTFALL OF DRAIN AT NORTH END OF SITE HAMILTON YARD HAMILTON CITY ON	SPL

Ref No: 180596
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CAUSE (N.O.S.)
Incident Dt: 5/10/2000
Incident Reason: STORM/FLOOD/WIND
Incident Summary: CN RAILYARD:DIESEL FUEL FLUSHED FROM DRAIN DURINGHEAVY RAINFALL.AMOUNT UKN
MOE Reported Dt: 5/10/2000
Environmental Impact: POSSIBLE
Nature of Impact: Other
Receiving Medium: WATER
SAC Action Class:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 16101

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35 | ***36 of 36*** | ***NNW/19.0*** | ***78.1*** | ***CANADIAN NATIONAL RAILWAY LAKE ONTARIO; HAMILTON HARBOUR - BASE OF STUART ST HAMILTON CITY ON*** | ***SPL***

Ref No: 120320
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: UNKNOWN
Incident Dt: 11/2/1995
Incident Reason: UNKNOWN
Incident Summary: CNR-OILY SHEEN TO HAMIL- TON HARBOUR.OUTFALL BOOMD& WILL PUMP.REASON UNK.
MOE Reported Dt: 11/2/1995
Environmental Impact: CONFIRMED
Nature of Impact: Water course or lake
Receiving Medium: WATER
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 16101

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36 | ***1 of 4*** | ***S/22.6*** | ***94.7*** | ***CITY OF HAMILTON 177 BAY STREET NORTH HAMILTON ON L8R 2P8*** | ***GEN***

Generator No.: ON0062437
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 624230, 621911
SIC Description: 624230, 621911

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Jenny Pellegrino
Phone No. Admin: 905-546-2424 Ext.6310

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

36 **2 of 4** **S/22.6** **94.7** **CITY OF HAMILTON** **GEN**
177 BAY STREET NORTH
HAMILTON ON L8R 2P8

Generator No.:	ON0062437	**PO Box No.:**	
Status:		**Country:**	Canada
Approval Years:	2016	**Choice of Contact:**	CO_OFFICIAL
Contam. Facility:	No	**Co Admin:**	Jenny Pellegrino
MHSW Facility:	No	**Phone No. Admin:**	905-546-2424 Ext.6310
SIC Code:	624230, 621911		
SIC Description:	624230, 621911		

--Details--

Waste Code:	263
Waste Description:	ORGANIC LABORATORY CHEMICALS
Waste Code:	148
Waste Description:	INORGANIC LABORATORY CHEMICALS
Waste Code:	213
Waste Description:	PETROLEUM DISTILLATES
Waste Code:	251
Waste Description:	OIL SKIMMINGS & SLUDGES
Waste Code:	212
Waste Description:	ALIPHATIC SOLVENTS
Waste Code:	241
Waste Description:	HALOGENATED SOLVENTS
Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS

36 **3 of 4** **S/22.6** **94.7** **CITY OF HAMILTON HFD Mechanical** **GEN**
177 BAY STREET NORTH
HAMILTON ON L8R 2P8

Generator No.:	ON0062437	**PO Box No.:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Jun 2017	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:			
SIC Description:			

--Details--

Waste Code:	252 L
Waste Description:	Waste crankcase oils and lubricants
Waste Code:	251 L
Waste Description:	Waste oils/sludges (petroleum based)
Waste Code:	251 T
Waste Description:	Waste oils/sludges (petroleum based)
Waste Code:	212 L
Waste Description:	Aliphatic solvents and residues
Waste Code:	221 I

Waste Description: Light fuels

Waste Code: 213 L
Waste Description: Petroleum distillates

Waste Code: 213 I
Waste Description: Petroleum distillates

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36 | **4 of 4** | **S/22.6** | **94.7** | **CITY OF HAMILTON**
177 BAY STREET NORTH
HAMILTON ON L8R 2P8 | **GEN**

Generator No.: ON0062437
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 624230, 621911
SIC Description: 624230, 621911

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Jenny Pellegrino
Phone No. Admin: 905-546-2424 Ext.6310

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

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37 | **1 of 1** | **WSW/28.2** | **83.7** | **OUTDOOR WORKS LTD**
195 BARTON ST W
HAMILTON ON L8R 2H3 | **PES**

Detail Licence No.: 02-01-04033-0
Licence Type: Operator

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38 | **1 of 1** | **NNE/35.4** | **78.2** | **Stuart Street btwn Hess St N and Bay St N**
Hamilton ON | **EHS**

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20060822022
Addit. Info Ordered::
Report Date: 9/5/2006

Report Type: Custom Report
Search Radius (km): 0.15

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39 **1 of 11** **SSE/38.9** **95.8** **CITY OF HAMILTON** **GEN**
177 BAY STREET NORTH
HAMILTON ON L8R 2P8

Generator No.: ON0062437
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 624230, 621911
SIC Description: Emergency and Other Relief Services, Ambulance (except Air Ambulance) Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

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39 **2 of 11** **SSE/38.9** **95.8** **CITY OF HAMILTON** **GEN**
177 BAY STREET NORTH
HAMILTON ON L8R 2P8

Generator No.: ON0062437
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 624230, 621911
SIC Description: Emergency and Other Relief Services, Ambulance (except Air Ambulance) Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

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39 **3 of 11** **SSE/38.9** **95.8** **HAMILTON, CORP. OF THE CITY OF MECHANICAL DIVISION 177 BAY STREET NORTH HAMILTON ON L8R 2P8** **GEN**

Generator No.: ON0062437
Status:
Approval Years: 00,01
Contam. Facility:
MHSW Facility:
SIC Code: 8324
SIC Description: FIREFIGHTING SERV.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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39 **4 of 11** **SSE/38.9** **95.8** **CITY OF HAMILTON 177 BAY STREET NORTH HAMILTON ON L8R 2P8** **GEN**

Generator No.: ON0062437
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 624230, 621911
SIC Description: Emergency and Other Relief Services, Ambulance (except Air Ambulance) Services

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

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39 ***5 of 11*** ***SSE/38.9*** ***95.8*** ***CITY OF HAMILTON***
177 BAY STREET NORTH
HAMILTON ON ***GEN***

Generator No.: ON0062437
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 624230, 621911
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

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39 ***6 of 11*** ***SSE/38.9*** ***95.8*** ***HAMILTON, CITY OF***
177 BAY ST N
HAMILTON ON L8R 2P8 ***GEN***

Generator No.: ON0062403
Status:
Approval Years: 86,87,88,89
Contam. Facility:
MHSW Facility:
SIC Code: 8371
SIC Description: TRANSPORTATION ADMIN.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
39	7 of 11	SSE/38.9	95.8	CITY OF HAMILTON 177 BAY STREET NORTH HAMILTON ON L8R 2P8	GEN

Generator No.: ON0062437
Status:
Approval Years: 02,03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
39	8 of 11	SSE/38.9	95.8	HAMILTON, CITY OF 177 BAY ST. N. HAMILTON ON L8R 2P8	GEN

Generator No.: ON0062403
Status:
Approval Years: 90
Contam. Facility:
MHSW Facility:
SIC Code: 8371
SIC Description: TRANSPORTATION ADMIN

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
39	9 of 11	SSE/38.9	95.8	HAMILTON, CORPORATION OF THE CITY OF 177 BAY STREET NORTH HAMILTON ON L8R 2P8	GEN

Generator No.: ON0062403

PO Box No.:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Status: ***Country:***
Approval Years: 92,93,94,95,96,97,98 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No. Admin:***
SIC Code: 8371
SIC Description: TRANSPORTATION ADMIN

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

39 ***10 of 11*** ***SSE/38.9*** ***95.8*** ***HAMILTON, COR(OUT OF BUSINESS)ITY OF*** ***GEN***
177 BAY STREET NORTH
HAMILTON ON L8R 2P8

Generator No.: ON0062403 ***PO Box No.:***
Status: ***Country:***
Approval Years: 99,00 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No. Admin:***
SIC Code: 8371
SIC Description: TRANSPORTATION ADMIN.

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

39 ***11 of 11*** ***SSE/38.9*** ***95.8*** ***CITY OF HAMILTON*** ***GEN***
177 BAY STREET NORTH
HAMILTON ON L8R 2P8

Generator No.: ON0062437 ***PO Box No.:***
Status: ***Country:***
Approval Years: 2012 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No. Admin:***
SIC Code: 624230, 621911
SIC Description: Emergency and Other Relief Services, Ambulance (except Air Ambulance) Services

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

---

40 | **1 of 1** | **E/55.1** | **91.4** | **WHITE STAR AUTO WRECKERS LTD**
271 BAY ST N
HAMILTON ON L8L 1M2 | **AUWR**

Code: 98600
Facility: Automobile Wrecking & Recycling
Description:
List Name:

---

41 | **1 of 1** | **S/55.7** | **93.1** | **Shaeffe & Bay Dump**
Hamilton ON L8R 2E | **ANDR**

Legal Description: Barton Con 2
Location Description: nr Shaeffe & Bay Sts; End of Railway St
Municipality: Hamilton City
Current Municipality: Hamilton City
RM: Hamilton-Wentworth Region
Facility: Dump
Date Active: pre 1970
Date Begun:
Date Complete:
Area (Ha):
Landfill Type:
Group Name:
Operated By:
Serial: MOEE 8034
NTS: 30M05
Diameter (m):

Historical Summary:

Shaeffe & Bay Dump MOEE 1994 Shaeffe & Bay Sts cited as a closed waste disposal site in (Ontario Ministry of the Environment [1994] Waste disposal site inventory, [Toronto]: Ontario Environment, 1994., i, 196 pp., maps, ISBN 0772984093 98). 1996 MapArt Datapoint plots to End of Railway St ([1996] MapArt Corporation, Golden Horseshoe Atlas, 1996 Edition, ISBN 1-55198-384-2)

Waste Type:
UTM X Nad 27:
UTM Y Nad 27:
UTM Zone:

---

42 | **1 of 1** | **SSW/58.5** | **90.7** | **ON** | **WWIS**

Well ID: 7212240
Construction Date:
Primary Water Use:
Sec. Water Use:
Lot:
Concession:
Concession Name:
Easting NAD83:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Final Well Status:
Specific Capacity:
Municipality: HAMILTON CITY (BARTON)
County: WENTWORTH
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

--	--
Bore Hole ID:	1004658870
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	03-OCT-13
Remarks:	
Zone:	17
East 83:	591406
North 83:	4790762
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
43	1 of 1	S/64.1	93.0	nr Shaeffe & Bay Sts. HAMILTON ON	WDSH

Site No.:	X8034
Region:	WESTCENTRAL
County:	HAMILTON-WENTWORTH
Concession:	
Lot:	nr Shaeffe & Bay Sts.
Easting::	591500
Northing::	4790500
Zone::	17
Date Closed:	
Status::	CLOSED
Classification::	A7 - POTENTIAL HUMAN IMPACT-RURAL MUNICIPAL/DOMESTIC WASTE - CLOSED >20 YRS
%CommericialWste::	n/a
%DomesticWste Rec::	n/a
%LiquidWste Rec::	n/a
%HazardousWste Rec::	n/a
%Non-haz.Wste Rec::	n/a
%Sewage/Sludge Rec::	n/a
%Other Wste Rec::	n/a

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
44	1 of 19	WNW/65.7	79.9	AVL Manufacturing Inc. 243 Queen St N Hamilton ON L8R 3N6	CA

Certificate #:	9760-83TGP3
Application Year:	2010
Issue Date:	3/24/2010
Approval Type:	Air

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
44	2 of 19	WNW/65.7	79.9	AVL Manufacturing Inc. 243 Queen Street Hamilton ON M9R 1S8	EBR

Company Name:
Year: 2009
Notice Type: Instrument Proposal
EBR Registry No.: 010-6464
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date: April 16, 2009
Ministry Ref. No.: 9758-7PTLS3
Location: 243 Queen Street North Hamilton, ON M9R 1S8
Proponent Address: 243 Queen Street North Hamilton Ontario Canada L8R 3N6
Notice Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
44	3 of 19	WNW/65.7	79.9	AVL Manufacturing Inc. 243 Queen Street North Hamilton ON L8R 3N6	EBR

Company Name:
Year: 2012
Notice Type: Instrument Proposal
EBR Registry No.: 011-7450
Instrument Type: (EPA Part II.1) - Environmental Compliance Approval (project type: air)
Proposal Date: October 30, 2012
Ministry Ref. No.: 6353-8YPRNX
Location: 243 Queen Street North Hamilton M9R 1S8 CITY OF HAMILTON
Proponent Address: 243 Queen Street North Hamilton Ontario Canada L8R 3N6
Notice Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
44	4 of 19	WNW/65.7	79.9	AVL Manufacturing Inc. 243 Queen St N Hamilton ON L8R 3N6	ECA

Approval No: 6676-95TLR8
Project Type: Air/Noise
Date: 15-MAR-13
Status: Approved
Longitude:
Latitude:
Record Type:
PDF URL:
Full Address:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
44	5 of 19	WNW/65.7	79.9	STELCO STEEL 20 INCH MILL 243 QUEEN ST. N. HAMILTON ON L8N 3T1	GEN

Generator No.: ON0009519 **PO Box No.:**

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Status: | **Country:**
Approval Years: 88,89 | **Choice of Contact:**
Contam. Facility: | **Co Admin:**
MHSW Facility: | **Phone No. Admin:**
SIC Code: 2911
SIC Description: FERRO-ALLOYS IND.

--Details--
Waste Code: 143
Waste Description: STEEL MAKING RESIDUES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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44 | **6 of 19** | **WNW/65.7** | **79.9** | **STELCO STEEL**
20 INCH MILL 243 QUEEN ST. N., PO BOX 2030
HAMILTON ON L8R 3N6 | **GEN**

Generator No.: ON0009519 | **PO Box No.:**
Status: | **Country:**
Approval Years: 90,98 | **Choice of Contact:**
Contam. Facility: | **Co Admin:**
MHSW Facility: | **Phone No. Admin:**
SIC Code: 2911
SIC Description: FERRO-ALLOYS IND.

--Details--
Waste Code: 143
Waste Description: STEEL MAKING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 243
Waste Description: PCB'S

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

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44 | **7 of 19** | **WNW/65.7** | **79.9** | **HAMILTON METAL WORKS INC.**
243 QUEEN STREET NORTH
HAMILTON ON L8R 3N6 | **GEN**

Generator No.: ON1847201 | **PO Box No.:**
Status: | **Country:**
Approval Years: 98,99,00,01,02 | **Choice of Contact:**
Contam. Facility: | **Co Admin:**
MHSW Facility: | **Phone No. Admin:**
SIC Code: 3022
SIC Description: PLATE WORK INDUSTRY

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

--Details--
Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 253
Waste Description: EMULSIFIED OILS

---

44 ***8 of 19*** ***WNW/65.7*** ***79.9***

STELCO INC.
BOX 2030 20" MILL, QUEEN STREET
HAMILTON ON L8N 3T1

GEN

Generator No.: ON0009519
Status:
Approval Years: 86,87
Contam. Facility:
MHSW Facility:
SIC Code: 2911
SIC Description: FERRO-ALLOYS IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 143
Waste Description: STEEL MAKING RESIDUES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

44 ***9 of 19*** ***WNW/65.7*** ***79.9***

Orchid Automation Group Inc
243 Queen Street N
Hamilton ON L8R 3N6

GEN

Generator No.: ON7947456
Status:
Approval Years: 03,04
Contam. Facility:
MHSW Facility:
SIC Code: 339990
SIC Description: All Other Miscellaneous Mfg.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

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44 ***10 of 19*** ***WNW/65.7*** ***79.9***

STELCO STEEL ***36-179***
20 INCH MILL 243 QUEEN ST. N., PO BOX 2030
HAMILTON ON L8R 3N6

GEN

Generator No.: ON0009519
Status:
Approval Years: 92,93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 2911
SIC Description: FERRO-ALLOYS IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 143
Waste Description: STEEL MAKING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 243
Waste Description: PCB'S

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

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44 | **11 of 19** | **WNW/65.7** | **79.9** | **AVL Manufacturing Inc.**
243 Queen St N
Hamilton ON | **GEN**

Generator No.: ON9561337
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 332999
SIC Description: ALL OTHER MISCELLANEOUS FABRICATED METAL PRODUCT MANUFACTURING

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 311
Waste Description: ORGANIC TANNERY WASTES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

---

44 | **12 of 19** | **WNW/65.7** | **79.9** | **AVL Manufacturing Inc.**
243 Queen St N | **GEN**

Hamilton ON L8R 3N6

Generator No.: ON9561337
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 332999
SIC Description: All Other Miscellaneous Fabricated Metal Product Manufacturing

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

---

44 | ***13 of 19*** | ***WNW/65.7*** | ***79.9*** | ***AVL Manufacturing Inc.***
243 Queen St N
Hamilton ON L8R 3N6 | ***GEN***

Generator No.: ON9561337
Status:
Approval Years: 07,08
Contam. Facility:
MHSW Facility:
SIC Code: 332999
SIC Description: All Other Miscellaneous Fabricated Metal Product Manufacturing

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

---

44 **14 of 19** **WNW/65.7** **79.9** **AVL Manufacturing Inc.**
243 Queen St N
Hamilton ON L8R 3N6 **GEN**

Generator No.: ON9561337
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 332999
SIC Description: All Other Miscellaneous Fabricated Metal Product Manufacturing

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

---

44 **15 of 19** **WNW/65.7** **79.9** **Hamilton Metal Works**
243 Queen St. North
Hamilton ON L8R 3N6 **GEN**

Generator No.: ON5746395
Status:
Approval Years: 05
Contam. Facility:
MHSW Facility:
SIC Code: 332420
SIC Description: Metal Tank (Heavy Gauge) Manufacturing

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 123

Waste Description: ALKALINE PHOSPHATES

---

44 **16 of 19** **WNW/65.7** **79.9** **AVL Manufacturing Inc.** **GEN**
243 Queen St N
Hamilton ON L8R 3N6

Generator No.: ON9561337
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 332999
SIC Description: All Other Miscellaneous Fabricated Metal Product Manufacturing

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

---

44 **17 of 19** **WNW/65.7** **79.9** **AVL Manufacturing Inc.** **GEN**
243 Queen St N
Hamilton ON L8R 3N6

Generator No.: ON9561337
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 332999
SIC Description: All Other Miscellaneous Fabricated Metal Product Manufacturing

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 232
Waste Description: POLYMERIC RESINS

---

44 | **18 of 19** | **WNW/65.7** | **79.9** | **Dynamic Steel Inc.**
243 Queen St N
Hamilton ON L8R 3N6 | **SCT**

Established: 1970
Plant Size (ft²): 30000
Employment: 45

--Details--
Description: Other Ornamental and Architectural Metal Products Manufacturing
SIC/NAICS Code: 332329

Description: Metal Tank (Heavy Gauge) Manufacturing
SIC/NAICS Code: 332420

Description: All Other Miscellaneous Fabricated Metal Product Manufacturing
SIC/NAICS Code: 332999

Description: Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing
SIC/NAICS Code: 333413

Description: All Other General-Purpose Machinery Manufacturing
SIC/NAICS Code: 333990

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44 | **19 of 19** | **WNW/65.7** | **79.9** | **Hamilton Metal Works Inc.**
243 Queen St N
Hamilton ON L8R 3N6 | **SCT**

Established: 01-AUG-97
Plant Size (ft²): 87000
Employment:

--Details--
Description: Other Ornamental and Architectural Metal Product Manufacturing
SIC/NAICS Code: 332329

Description: All Other Miscellaneous Fabricated Metal Product Manufacturing
SIC/NAICS Code: 332999

Description: Other Plate Work and Fabricated Structural Product Manufacturing
SIC/NAICS Code: 332319

Description: Other Plate Work and Fabricated Structural Product Manufacturing
SIC/NAICS Code: 332319

Description: Coating, Engraving, Heat Treating and Allied Activities

SIC/NAICS Code: 332810

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45 | **1 of 1** | **SSE/68.0** | **95.4** | **194 BAY STREET NORTH, HAMILTON ON** | **INC**

Incident No: 296864
Incident ID:
Attribute Category: FS-Perform L1 Incident Insp
Status Code:
Incident Location: 194 BAY STREET NORTH, HAMILTON - CO RELEASE
Drainage System:
Sub Surface Contam.:
Aff. Prop. Use Water:
Contam. Migrated:
Contact Natural Env.:
Near Body of Water:
Approx. Quant. Rel.:
Equipment Model:
Serial No:
Residential App. Type:
Commercial App. Type:
Industrial App. Type:
Institutional App. Type:
Venting Type:
Vent Connector Mater:
Vent Chimney Mater:
Pipeline Type:
Pipeline Involved:
Pipe Material:
Depth Ground Cover:
Regulator Location:
Regulator Type:
Operation Pressure:
Liquid Prop Make:
Liquid Prop Model:
Liquid Prop Serial No:
Equipment Type:
Cylinder Capacity:
Cylinder Capac. Units:
Cylinder Material Type:
Tank Capacity:
Fuels Occurence Type: N/A
Fuel Type Involved: Fuel Oil
Date of Occurence: 2010/01/14 00:00:00
Time of Occurence: NULL
Occur Insp Start Date: 2010/01/14 00:00:00
Any Health Impact: No
Any Environmental Impact: No
Was Service Interrupted: No
Was Property Damaged: No
Operation Type Involved: Private Dwelling
Enforcement Policy: NULL
Prc Escalation Required: NULL
Task No: 2700257
Notes:
Occurence Narrative: NULL
Tank Material Type:
Tank Storage Type:
Tank Location Type:
Pump Flow Rate Capac:
Liquid Prop Notes:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
46	1 of 1	SSW/79.1	92.1	Central Park Hamilton ON	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20130624015
Addit. Info Ordered:: Fire Insur. Maps and/or Site Plans; Aerial Photos
Report Date: 30-JUL-13
Report Type: Custom Report
Search Radius (km): .25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
47	1 of 2	SW/81.7	87.5	15 WINDSOR DRIVE, HAMILTON ON	PINC

Incident ID:
Incident No: 1942862
Type: FS-Pipeline Incident
Status Code: Pipeline Damage Reason Est
Fuel Occurrence Tp:
Fuel Type:
Tank Status: RC Established
Task No: 6326794
Spills Action Centre:
Method Details: E-mail
Fuel Category: Natural Gas
Date of Occurrence:
Occurrence Start Date: 2016/09/15
Operation Type:
Pipeline Type:
Regulator Type:
Summary: 15 WINDSOR DRIVE, HAMILTON - PIPELINE HIT 1/2"
Reported By: VINCE DOWNING - UNION GAS
Affiliation:
Occurrence Desc:
Damage Reason: Excavation practices not sufficient
Notes:

Health Impact:
Environment Impact:
Property Damage: Yes
Service Interupt:
Enforce Policy: Yes
Public Relation:
Pipeline System:
Depth:
Pipe Material:
PSIG:
Attribute Category: FS-Perform P-line Inc Invest
Regualtor Location:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
47	2 of 2	SW/81.7	87.5	Union Gas Limited 15 Windsor Drive Hamilton ON	SPL

Ref No: 1741-ADTPBT
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Quantity: 0 other - see incident description
Incident Cause:
Incident Dt: 9/15/2016
Incident Reason: Operator/Human Error
Incident Summary: TSSA: FSB 0.5" PL svc line strike, Made Safe
MOE Reported Dt: 9/15/2016
Environmental Impact:
Nature of Impact:
Receiving Medium:
SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Sector Source Type: Miscellaneous Communal
Receiving Environment: Air
Incident Event: Leak/Break
Site Municipality: Hamilton

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
48	1 of 1	ENE/82.8	86.2	295 BAY STREET NORTH HAMILTON ON L8L 1M2	HINC

External File Num:	FS INC 0904-01708
Date of Occurrence:	4/1/2009
Fuel Occurrence Type:	CO Release
Fuel Type Involved:	Natural Gas
Status Desc::	Completed - Causal Analysis(End)
Job Type Desc::	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved::	Private Dwelling
Service Interruptions::	No
Property Damage::	No
Fuel Life Cycle Stage::	Utilization
Root Cause::	Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:Yes Design:No Training:No Management:Yes Human Factors:No
Reported Details::	
Fuel Category::	Gaseous Fuel
Occurrence Type::	Incident
Affiliation::	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name::	Hamilton
Approx. Quant. Rel::	
Nearby body of water::	
Enter Drainage Syst.::	
Approx. Quant. Unit::	
Environmental Impact::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
49	1 of 6	WNW/85.9	80.1	AVL Manufacturing Inc. 243 Queen St N Hamilton ON L8R 3N6	ECA

Approval No:	9760-83TGP3
Project Type:	Air
Date:	3/24/2010 2:43:31 PM
Status:	Revoked and/or Replaced
Longitude:	-79.87677
Latitude:	43.267582
Record Type:	ECA
PDF URL:	https://www.accessenvironment.ene.gov.on.ca/instruments/9758-7PTLS3-14.pdf
Full Address:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
49	2 of 6	WNW/85.9	80.1	AVL Manufacturing Inc. 243 Queen St N Hamilton ON L8R 3N6	ECA

Approval No:	6676-95TLR8
Project Type:	Air
Date:	3/15/2013 4:17:12 PM
Status:	Approved
Longitude:	
Latitude:	
Record Type:	ECA
PDF URL:	https://www.accessenvironment.ene.gov.on.ca/instruments/6353-8YPRNX-14.pdf
Full Address:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
49	3 of 6	WNW/85.9	80.1	AVL Manufacturing Inc. 243 Queen St N Hamilton ON L8R 3N6	GEN

Generator No.:	ON9561337	**PO Box No.:**	
Status:		**Country:**	Canada
Approval Years:	2015	**Choice of Contact:**	CO_OFFICIAL
Contam. Facility:	No	**Co Admin:**	Joey Katkic
MHSW Facility:	No	**Phone No. Admin:**	9055457660 Ext.224
SIC Code:	332999		
SIC Description:	ALL OTHER MISCELLANEOUS FABRICATED METAL PRODUCT MANUFACTURING		

--Details--

Waste Code:	212
Waste Description:	ALIPHATIC SOLVENTS
Waste Code:	145
Waste Description:	PAINT/PIGMENT/COATING RESIDUES
Waste Code:	213
Waste Description:	PETROLEUM DISTILLATES
Waste Code:	263
Waste Description:	ORGANIC LABORATORY CHEMICALS
Waste Code:	331
Waste Description:	WASTE COMPRESSED GASES
Waste Code:	311
Waste Description:	ORGANIC TANNERY WASTES
Waste Code:	148
Waste Description:	INORGANIC LABORATORY CHEMICALS
Waste Code:	232
Waste Description:	POLYMERIC RESINS
Waste Code:	251
Waste Description:	OIL SKIMMINGS & SLUDGES
Waste Code:	211
Waste Description:	AROMATIC SOLVENTS
Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
49	4 of 6	WNW/85.9	80.1	***AVL Manufacturing Inc.*** ***243 Queen St N*** ***Hamilton ON L8R 3N6***	GEN

Generator No.:	ON9561337	**PO Box No.:**	
Status:		**Country:**	Canada
Approval Years:	2014	**Choice of Contact:**	CO_ADMIN
Contam. Facility:	No	**Co Admin:**	Marina Staresinic
MHSW Facility:	No	**Phone No. Admin:**	905 545 7660 Ext.
SIC Code:	332999		
SIC Description:	ALL OTHER MISCELLANEOUS FABRICATED METAL PRODUCT MANUFACTURING		

--Details--

Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS
Waste Code:	211
Waste Description:	AROMATIC SOLVENTS
Waste Code:	263

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 311
Waste Description: ORGANIC TANNERY WASTES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

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49 | ***5 of 6*** | ***WNW/85.9*** | ***80.1*** | ***AVL Manufacturing Inc.***
243 Queen St N
Hamilton ON L8R 3N6 | ***GEN***

Generator No.: ON9561337
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 332999
SIC Description: ALL OTHER MISCELLANEOUS FABRICATED METAL PRODUCT MANUFACTURING

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Joey Katkic
Phone No. Admin: 9055457660 Ext.224

--Details--
Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 311
Waste Description: ORGANIC TANNERY WASTES

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

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49 | ***6 of 6*** | ***WNW/85.9*** | ***80.1*** | ***AVL Manufacturing Inc.***
243 Queen St N
Hamilton ON L8R 3N6 | ***GEN***

Generator No.: ON9561337
Status: Registered
Approval Years: As of Jun 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country: Canada
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 251 L
Waste Description: Waste oils/sludges (petroleum based)

Waste Code: 232 I
Waste Description: Polymeric resins

Waste Code: 148 C
Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 212 I
Waste Description: Aliphatic solvents and residues

Waste Code: 331 I
Waste Description: Waste compressed gases including cylinders

Waste Code: 311 I
Waste Description: Organic tannery wastes

Waste Code: 211 H
Waste Description: Aromatic solvents and residues

Waste Code: 263 I
Waste Description: Misc. waste organic chemicals

Waste Code: 232 L
Waste Description: Polymeric resins

Waste Code: 145 T
Waste Description: Wastes from the use of pigments, coatings and paints

Waste Code: 145 I
Waste Description: Wastes from the use of pigments, coatings and paints

Waste Code: 252 L
Waste Description: Waste crankcase oils and lubricants

Waste Code: 213 T
Waste Description: Petroleum distillates

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
50	1 of 1	S/98.5	94.6	City of Hamilton 168 Bay Street North Hamilton ON	GEN

Generator No.: ON2713003
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 913910
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 253
Waste Description: EMULSIFIED OILS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
51	1 of 2	W/99.3	84.0	Barton St W & Queen St N Hamilton ON	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20070227024
Addit. Info Ordered:: City Directory
Report Date: 3/7/2007
Report Type: CAN - Custom Report
Search Radius (km): 0.25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
51	2 of 2	W/99.3	84.0	UNKNOWN NORTHWEST CORNER QUEEN & BARTON CN PROPERTY HAMILTON CITY ON	SPL

Ref No: 87569
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CONTAINER LEAK
Incident Dt: 6/24/1993
Incident Reason: VANDALISM
Incident Summary: ILLEGAL DUMPING PAINT TO CN PROPERTY
MOE Reported Dt: 6/24/1993
Environmental Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 16101

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
52	1 of 1	ENE/99.8	80.8	Stuart Street Hamilton ON	EHS

Postal Code:

City:	Hamilton
Address2:	
Address1:	Stuart Street
Provstate:	ON
Order No.:	20151211091
Addit. Info Ordered::	City Directory; Aerial Photos
Report Date:	18-DEC-15
Report Type:	Standard Report
Search Radius (km):	.25

53 ***1 of 5*** ***SW/99.9*** ***95.2*** ***WESTINGHOUSE CANADA INC. ELEVATOR DIV. 28 HARRIET ST. HAMILTON ON L8R 2E4*** ***GEN***

Generator No.:	ON0187126	***PO Box No.:***	
Status:		***Country:***	
Approval Years:	86,87,88,89,90	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No. Admin:***	
SIC Code:	0000		
SIC Description:	*** NOT DEFINED ***		

--Details--

Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS

53 ***2 of 5*** ***SW/99.9*** ***95.2*** ***Schindler Elevator Corporation 28 Harriet St Hamilton ON L8R 2E4*** ***GEN***

Generator No.:	ON2535143	***PO Box No.:***	
Status:		***Country:***	
Approval Years:	02,03,04,05,06	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No. Admin:***	
SIC Code:			
SIC Description:			

--Details--

Waste Code:	251
Waste Description:	OIL SKIMMINGS & SLUDGES
Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS

53 ***3 of 5*** ***SW/99.9*** ***95.2*** ***WESTINGHOUSE CANADA (SEE&USE ON0376806) ELEVATOR DIVISION 28 HARRIETT STREET HAMILTON ON L8S 4L3*** ***GEN***

Generator No.:	ON0187126	***PO Box No.:***	
Status:		***Country:***	
Approval Years:	98	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No. Admin:***	
SIC Code:	4112		
SIC Description:	GAS, OIL STRUCTURES		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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53 ***4 of 5*** ***SW/99.9*** ***95.2*** ***SCHINDLER ELEVATOR CORPORATION*** ***GEN***
28 HARRIET STREET
HAMILTON ON L8S 4L3

Generator No.: ON0376806
Status:
Approval Years: 94,95,96,97,98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 4112
SIC Description: GAS, OIL STRUCTURES

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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53 ***5 of 5*** ***SW/99.9*** ***95.2*** ***WESTINGHOUSE(SEE&USE ON0376806)*** ***42-286*** ***GEN***
ELEVATOR DIV. 28 HARRIET ST.
HAMILTON ON L8R 2E4

Generator No.: ON0187126
Status:
Approval Years: 92,93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 4112
SIC Description: GAS, OIL STRUCTURES

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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54 ***1 of 1*** ***E/100.8*** ***90.8*** ***WWIS***
Hamilton ON

Well ID: 7228679
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Specific Capacity:
Municipality: HAMILTON CITY
County: WENTWORTH

Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information
-- --
Bore Hole ID: 1005144574
DP2BR:
Code OB:
Code OB Description:
Open Hole:
Date Completed: 28-AUG-14
Remarks:
Zone: 17
East 83: 591797

North 83:	4790982
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	dms83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1005371944
Layer:	1
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	
Other Materials:	SOFT
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft
--	--
Formation ID:	1005371945
Layer:	2
General Color:	GREY
Most Common Material:	CLAY
Other Materials:	SAND
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	15
Formation End Depth UOM:	ft
--	--
Formation ID:	1005371946
Layer:	3
General Color:	GREY
Most Common Material:	CLAY
Other Materials:	
Other Materials:	SOFT
Formation Top Depth:	15
Formation End Depth:	30
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1005371952
Layer:	1
Plug From:	0
Plug To:	19
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1005371951
Method Construction Code:	
Method Construction:	
Other Method Construction:	
--	--
Pipe Information	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

--	--
Pipe ID:	1005371943
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1005371949
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	20
Casing Diameter:	1.8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1005371950
Layer:	1
Slot:	10
Screen Top Depth:	20
Screen End Depth:	30
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2
--	--
Hole Diameter	
--	--
Hole ID:	1005371947
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
55	1 of 2	W/103.7	84.7	**SWIFT EQUIPMENT** **236 Queen St N** **Hamilton ON L8R 2W3**	SCT

Established:	1947
Plant Size (ft²):	0
Employment:	12
--Details--	
Description:	Stamping
SIC/NAICS Code:	332118
Description:	Semiconductor and Other Electronic Component Manufacturing
SIC/NAICS Code:	334410

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
55	2 of 2	W/103.7	84.7	**Swift Devices Limited** **236 Queen St N** **Hamilton ON L8R 2W3**	SCT

Established:	01-JAN-45
Plant Size (ft²):	17500

Employment:

--Details--

Description:	Electrical Wiring and Construction Supplies Wholesaler-Distributors
SIC/NAICS Code:	416110
Description:	Wiring Device Manufacturing
SIC/NAICS Code:	335930
Description:	Steel Foundries
SIC/NAICS Code:	331514
Description:	Wiring Device Manufacturing
SIC/NAICS Code:	335930
Description:	Industrial Machinery, Equipment and Supplies Wholesaler-Distributors
SIC/NAICS Code:	417230
Description:	All Other Miscellaneous Fabricated Metal Product Manufacturing
SIC/NAICS Code:	332999
Description:	Stamping
SIC/NAICS Code:	332118
Description:	Turned Product and Screw, Nut and Bolt Manufacturing
SIC/NAICS Code:	332720
Description:	Hardware Wholesaler-Distributors
SIC/NAICS Code:	416330
Description:	Other Fabricated Wire Product Manufacturing
SIC/NAICS Code:	332619

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56 ***1 of 1*** ***NW/104.0*** ***77.2*** ***ON*** ***BORE***

Borehole ID:	622623	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Diamond Drill	***UTM Zone::***	17
Easting::	591264	***Northing::***	4791223
Location Accuracy::		***Orig. Ground Elev m::***	102
Elev. Reliability Note::		***DEM Ground Elev m::***	77.8
Total Depth m::	11	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	JUN-1963	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218426415	***Top Depth(m):***	0.0
Bottom Depth(m):	2.1	***Stratum Desc:***	SAND-MEDIUM. BROWN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218426416	***Top Depth(m):***	2.1
Bottom Depth(m):	4.4	***Stratum Desc:***	SAND-MEDIUM. GREEN,VERY LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218426417	***Top Depth(m):***	4.4
Bottom Depth(m):	5.5	***Stratum Desc:***	CLAY,SILT. GREEN,FIRM,UNIFORM, AGE GLACIAL.
Stratum ID:	218426418	***Top Depth(m):***	5.5

Bottom Depth(m):	7.3	**Stratum Desc:**	CLAY,SILT,SAND. BROWN,VERY SOFT,UNIFORM, AGE GLACIAL.
Stratum ID:	218426419	**Top Depth(m):**	7.3
Bottom Depth(m):	11.0	**Stratum Desc:**	CLAY,SILT. GREEN,STIFF,UNIFORM, AGE GLACIAL. 026 0000000500070002001450050018002000240

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57 | **1 of 1** | **E/105.8** | **90.8** | **268 Bay St N, Hamilton ON L8L1M4** | **EHS**

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20140715072
Addit. Info Ordered::	Fire Insur. Maps and/or Site Plans; City Directory
Report Date:	22-JUL-14
Report Type:	Standard Report
Search Radius (km):	.25

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58 | **1 of 1** | **ENE/123.3** | **83.9** | **South Ontario Railway<UNOFFICIAL>, Hamilton Yard (Bay and Stuart Street), Hamilton ON** | **SPL**

Ref No:	4463-9HMTGD
Contaminant Code:	12
Contaminant Name:	GASOLINE
Contaminant Quantity:	100 L
Incident Cause:	Leak/Break
Incident Dt:	2014/03/28
Incident Reason:	Operator/Human Error
Incident Summary:	S.O Railway spill of gasoline from tank car
MOE Reported Dt:	2014/03/28
Environmental Impact:	Not Anticipated
Nature of Impact:	Soil Contamination
Receiving Medium:	
SAC Action Class:	Land Spills
Sector Source Type:	Other
Receiving Environment:	
Incident Event:	
Site Municipality:	Hamilton

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59 | **1 of 1** | **SW/124.5** | **94.9** | **Felton Brushes Limited, 29 Harriet St, Hamilton ON L8R 2E5** | **SCT**

Established:	01-AUG-33
Plant Size (ft²):	22000
Employment:	

--Details--

Description:	Abrasive Product Manufacturing
SIC/NAICS Code:	327910
Description:	All Other Miscellaneous Manufacturing
SIC/NAICS Code:	339990
Description:	All Other Miscellaneous Manufacturing

SIC/NAICS Code: 339990

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60 *1 of 1* *NE/124.5* *79.2* *ON* **BORE**

Borehole ID:	625596	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591714	**Northing::**	4791223
Location Accuracy::		**Orig. Ground Elev m::**	74.4
Elev. Reliability Note::		**DEM Ground Elev m::**	79
Total Depth m::	21.2	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	FEB-1969	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218437298	**Top Depth(m):**	0.0
Bottom Depth(m):	4.7	**Stratum Desc:**	WATER.
Stratum ID:	218437299	**Top Depth(m):**	4.7
Bottom Depth(m):	11.6	**Stratum Desc:**	SILT,ORGANIC,SAND, PEAT. SOFT,SEAMS.
Stratum ID:	218437300	**Top Depth(m):**	11.6
Bottom Depth(m):	13.6	**Stratum Desc:**	SAND-MEDIUM,SILT. GREEN,LOOSE,SEAMS.
Stratum ID:	218437301	**Top Depth(m):**	13.6
Bottom Depth(m):	14.8	**Stratum Desc:**	SILT,ORGANIC,SAND. STIFF.
Stratum ID:	218437302	**Top Depth(m):**	14.8
Bottom Depth(m):	21.2	**Stratum Desc:**	SILT,CLAY,SAND, GRAVEL. GREEN,STIFF. 040 030 030

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61 *1 of 1* *ENE/125.7* *80.4* *Hamilton ON* **WWIS**

Well ID:	7221313	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:		**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Abandoned-Other	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HAMILTON CITY (BARTON)	**UTM Reliability:**	
County:	WENTWORTH		

Bore Hole Information

--	--
Bore Hole ID:	1004800100
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	01-MAY-14
Remarks:	
Zone:	17
East 83:	591798
North 83:	4791111
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m

Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1005160318
Layer:	1
General Color:	
Most Common Material:	
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	20
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1005160323
Method Construction Code:	
Method Construction:	
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1005160317
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1005160321
Layer:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1005160322
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	
--	--
Water Details	
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Water ID:	1005160320
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	5
Water Found Depth UOM:	ft
--	--
Hole Diameter	
--	--
Hole ID:	1005160319
Diameter:	8.25
Depth From:	0
Depth To:	6.5
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

---

62 | **1 of 1** | **ENE/126.5** | **83.9** | **MOTOR VEHICLE**
CORNER OF STEWART & BAY ST. MOTOR VEHICLE (OPERATING FLUID)
HAMILTON CITY ON | **SPL**

Ref No:	227225
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT
Incident Dt:	6/4/2002
Incident Reason:	UNKNOWN
Incident Summary:	MOTOR VEHICLE: 4 L TRANSM ISSION FLUID TO CATCHBAS IN, ECHELON ON SITE
MOE Reported Dt:	6/4/2002
Environmental Impact:	POSSIBLE
Nature of Impact:	Water course or lake
Receiving Medium:	WATER
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	16103

---

63 | **1 of 1** | **NNE/127.4** | **77.2** | **Hamilton ON** | **WWIS**

Well ID:	7236508	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:	Monitoring	**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:		**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HAMILTON CITY	**UTM Reliability:**	
County:	WENTWORTH		

Bore Hole Information

--	--
Bore Hole ID:	1005296466
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	12-JAN-15
Remarks:	
Zone:	17

East 83:	591680
North 83:	4791236
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	dms83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1005524700
Layer:	1
General Color:	BLACK
Most Common Material:	FILL
Other Materials:	SAND
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft
--	--
Formation ID:	1005524701
Layer:	2
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	SAND
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	18
Formation End Depth UOM:	ft
--	--
Formation ID:	1005524702
Layer:	3
General Color:	GREY
Most Common Material:	CLAY
Other Materials:	SILT
Other Materials:	
Formation Top Depth:	18
Formation End Depth:	30
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1005524709
Layer:	1
Plug From:	0
Plug To:	19
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1005524708
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Pipe Information	
--	--
Pipe ID:	1005524699
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1005524705
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	20
Casing Diameter:	1.8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1005524706
Layer:	1
Slot:	10
Screen Top Depth:	20
Screen End Depth:	30
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2
--	--
Hole Diameter	
--	--
Hole ID:	1005524703
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
64	*1 of 3*	*WSW/129.4*	*90.8*	***SKYLIGHT WINDOW CLEANING*** ***202 QUEEN ST N*** ***HAMILTON ON***	*EXP*

Instance No:	11095691
Instance ID:	68661
Instance Type:	FS Propane Tank
Description:	FS Propane Tank
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
64	*2 of 3*	*WSW/129.4*	*90.8*	***SKYLIGHT WINDOW CLEANING*** ***202 QUEEN ST N*** ***HAMILTON ON***	*EXP*

Instance No:	9908999
Instance ID:	398081
Instance Type:	FS Facility

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Description: FS Propane Refill Cntr - Cylr Fill
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

---

64 *3 of 3* *WSW/129.4* *90.8* ***SKYLIGHT WINDOW CLEANING***
202 QUEEN ST N
HAMILTON ON L8R2W3 ***PRT***

Location ID: 18957
Type: retail
Expiry Date: 1993-01-31
Capacity (L): 1000
Licence #: 0076354208

---

65 *1 of 2* *SSW/133.2* *94.8* ***20 MILL ST, MOREWOOD ON*** ***PINC***

Incident ID:
Incident No: 1455836
Type: FS-Pipeline Incident
Status Code: Pipeline Damage Reason Est
Fuel Occurrence Tp:
Fuel Type:
Tank Status: RC Established
Task No: 5134085
Spills Action Centre:
Method Details: E-mail
Fuel Category: Natural Gas
Date of Occurrence:
Occurrence Start Date: 2014/10/01
Operation Type:
Pipeline Type:
Regulator Type:
Summary: 20 MILL ST, MOREWOOD - PIPELINE HIT - 3/4"
Reported By: TREVOR Kuzyk - Union Gas
Affiliation:
Occurrence Desc:
Damage Reason: Excavation practices not sufficient
Notes:

Health Impact:
Environment Impact:
Property Damage: Yes
Service Interupt:
Enforce Policy: Yes
Public Relation:
Pipeline System:
Depth:
Pipe Material:
PSIG:
Attribute Category: FS-Perform P-line Inc Invest
Regualtor Location:

---

65 *2 of 2* *SSW/133.2* *94.8* ***20A MILL STREET, MOREWOOD ON*** ***PINC***

Incident ID:
Incident No: 1100864
Type: FS-Pipeline Incident
Status Code: Pipeline Damage Reason Est
Fuel Occurrence Tp:
Fuel Type:
Tank Status: RC Established
Task No: 4474757
Spills Action Centre:
Method Details: E-mail
Fuel Category: Natural Gas
Date of Occurrence:
Occurrence Start Date: 2013/11/11

Health Impact:
Environment Impact:
Property Damage: Yes
Service Interupt:
Enforce Policy: Yes
Public Relation:
Pipeline System:
Depth:
Pipe Material:
PSIG:
Attribute Category: FS-Perform P-line Inc Invest
Regualtor Location:

Date:
Operation Type:
Pipeline Type:
Regulator Type:
Summary: 20A MILL STREET, MOREWOOD - PIPELINE HIT - 3/4"
Reported By: Jake Lapierre UNION GAS
Affiliation:
Occurrence Desc:
Damage Reason: Facility was not located or marked
Notes:

---

66 | ***1 of 3*** | ***ESE/135.7*** | ***93.4*** | ***CYBERMEDIX HEALTH SERVICES LTD. 11-261 78 BARTON ST. W., HAMILTON C/O 6 VANSCO RD. TORONTO ON L8L 1A6*** | ***GEN***

Generator No.: ON0064831
Status:
Approval Years: 92,93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 8681
SIC Description: MEDICAL LABORATORIES

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

---

66 | ***2 of 3*** | ***ESE/135.7*** | ***93.4*** | ***CYBERMEDIX HEALTH SERVICES LIMITED 78 BARTON STREET WEST HAMILTON ON L8L 1A6*** | ***GEN***

Generator No.: ON0064831
Status:
Approval Years: 98
Contam. Facility:
MHSW Facility:
SIC Code: 8681
SIC Description: MEDICAL LABORATORIES

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

---

66 | ***3 of 3*** | ***ESE/135.7*** | ***93.4*** | ***CYBERMEDIX HEALTH SERVICES LTD. 78 BARTON ST. W., HAMILTON C/O 6 VANSCO RD. TORONTO ON L8L 1A6*** | ***GEN***

Generator No.: ON0064831
Status:
Approval Years: 86,87,88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 8681
SIC Description: MEDICAL LABORATORIES

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

---

67 | **1 of 1** | **WSW/135.9** | **91.1** | **HAMCO HEATING & COOLING LTD.**
200 QUEEN STREET NORTH
HAMILTON ON L8R 2W3 | **GEN**

Generator No.: ON1994200
Status:
Approval Years: 95,96,97,98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 4244
SIC Description: SHEET METAL & DUCT.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

---

68 | **1 of 4** | **S/139.4** | **95.8** | **City of Hamilton**
168 Bay Street North
Hamilton ON L8R2P5 | **GEN**

Generator No.: ON2713003
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 913910
SIC Description: 913910

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Dong Deng
Phone No. Admin: 9055462424 Ext.5714

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 253
Waste Description: EMULSIFIED OILS

---

68 | **2 of 4** | **S/139.4** | **95.8** | **City of Hamilton**
168 Bay Street North
Hamilton ON L8R2P5 | **GEN**

Generator No.: ON2713003
Status: Registered
Approval Years: As of Jun 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country: Canada
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 253 L
Waste Description: Emulsified oils

Waste Code: 221 L
Waste Description: Light fuels

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
68	3 of 4	S/139.4	95.8	City of Hamilton 168 Bay Street North Hamilton ON L8R2P5	GEN

Generator No.: ON2713003
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 913910
SIC Description: 913910

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Dong Deng
Phone No. Admin: 9055462424 Ext.5714

--Details--
Waste Code: 253
Waste Description: EMULSIFIED OILS

Waste Code: 221
Waste Description: LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
68	4 of 4	S/139.4	95.8	City of Hamilton 168 Bay Street North Hamilton ON L8R2P5	GEN

Generator No.: ON2713003
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 913910
SIC Description: 913910

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Dong Deng
Phone No. Admin: 9055462424 Ext.5714

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 253
Waste Description: EMULSIFIED OILS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
69	1 of 1	E/141.0	90.6	Hamilton ON	WWIS

Well ID: 7161162
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells
Specific Capacity:
Municipality: HAMILTON CITY
County: WENTWORTH

Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information
-- --
Bore Hole ID: 1003492456
DP2BR:
Code OB:
Code OB Description:
Open Hole:
Date Completed: 17-MAR-11
Remarks:
Zone: 17

East 83:	591842
North 83:	4790988
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	wwr
Org CS:	dms83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1003864601
Layer:	1
General Color:	RED
Most Common Material:	CLAY
Other Materials:	SILTY
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft
--	--
Formation ID:	1003864602
Layer:	2
General Color:	RED
Most Common Material:	SHALE
Other Materials:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	20
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1003864610
Layer:	1
Plug From:	0
Plug To:	3.5
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1003864609
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1003864600
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1003864606

Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	5
Casing Diameter:	1.8
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1003864607
Layer:	1
Slot:	10
Screen Top Depth:	5
Screen End Depth:	20
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2
--	--
Water Details	
--	--
Water ID:	1003864604
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	15
Water Found Depth UOM:	ft
--	--
Hole Diameter	
--	--
Hole ID:	1003864603
Diameter:	6
Depth From:	0
Depth To:	20
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

70 **1 of 1** **WNW/144.4** **80.5** **ON** **BORE**

Borehole ID:	621876	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591174	**Northing::**	4791093
Location Accuracy::		**Orig. Ground Elev m::**	95
Elev. Reliability Note::		**DEM Ground Elev m::**	82.9
Total Depth m::	20.3	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	FEB-1963	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423017	**Top Depth(m):**	0.0
Bottom Depth(m):	3.2	**Stratum Desc:**	FILL,SAND,SILT. BROWN,MAN-MADE,LOOSE,UNIFORM, AGE POST-GLACIAL.
Stratum ID:	218423018	**Top Depth(m):**	3.2
Bottom Depth(m):	5.9	**Stratum Desc:**	SAND-FINE TO

MEDIUM.BROWN,LACUSTRINE,DENSE, UNIFORM,AGE GLACIAL.

Stratum ID: 218423019 ***Top Depth(m):*** 5.9
Bottom Depth(m): 8.0 ***Stratum Desc:*** SAND-MEDIUM,SILT. BROWN,LACUSTRINE,COMPACT, LAYERED,AGE GLACIAL.

Stratum ID: 218423020 ***Top Depth(m):*** 8.0
Bottom Depth(m): 8.6 ***Stratum Desc:*** SILT,CLAY. BROWN,LACUSTRINE,UNIFORM, AGE GLACIAL.

Stratum ID: 218423021 ***Top Depth(m):*** 8.6
Bottom Depth(m): 10.1 ***Stratum Desc:*** SAND-FINE TO MEDIUM,GRAVEL. BROWN,LACUSTRINE,COMPACT, LAYERED,AGE GLACIAL.

Stratum ID: 218423022 ***Top Depth(m):*** 10.1
Bottom Depth(m): 13.0 ***Stratum Desc:*** SAND-MEDIUM,SILT. BROWN,LACUSTRINE,DENSE, LAYERED,AGE GLACIAL.

Stratum ID: 218423023 ***Top Depth(m):*** 13.0
Bottom Depth(m): 15.8 ***Stratum Desc:*** SAND-MEDIUM,SILT, CLAY. GREEN,LACUSTRINE,COMPACT, LAYERED,AGE GLACIAL.

Stratum ID: 218423024 ***Top Depth(m):*** 15.8
Bottom Depth(m): 20.3 ***Stratum Desc:*** SILT(62),SAND(25)MEDIUM,CLAY(13). GREEN,LACUSTRINE,DENSE, LAYERED,AGE GLACIAL. 010

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71 ***1 of 2*** ***SSE/148.1*** ***94.8*** ***GEN***

HAMILTON-WENTWORTH R.C.S.S.B.(PCB)
90 MULBERRY RD. BOARD BUILDING C/O 57 STUART ST.
HAMILTON ON L8R 2C8

Generator No.: ON0300936
Status:
Approval Years: 93,94
Contam. Facility:
MHSW Facility:
SIC Code: 0000
SIC Description: *** NOT DEFINED ***

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

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71 ***2 of 2*** ***SSE/148.1*** ***94.8*** ***GEN***

HAMILTON-WENTWORTH C.D. SCHOOL BOARD
BOARD BUILDING 90 MULBERRY ROAD
HAMILTON ON L8R 2C8

Generator No.: ON0300936
Status:
Approval Years: 02,03,04
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			

72	1 of 16	S/155.4	95.8	AUTOMOTIVE MANAGER BELL CANADA 160 BAY ST N HAMILTON ON L8R 2P6	FST

Instance No:	10775565
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Gasoline
Status:	Active
Capacity:	25000
Tank Material:	Fiberglass (FRP)
Corrosion Protection:	Fiberglass
Tank Type:	Single Wall UST
Install Year:	1990
Parent Facility Type:	Fuels Safety Private Fuel Outlet - Self Serve
Facility Type:	FS Liquid Fuel Tank

72	2 of 16	S/155.4	95.8	AUTOMOTIVE MANAGER BELL CANADA 160 BAY ST N HAMILTON ON L8R 2P6	FSTH

License Issue Date:	12/10/1990
Tank Status:	Licensed
Tank Status As Of:	August 2007
Operation Type:	Private Fuel Outlet
Facility Type:	Gasoline Station - Self Serve

--Details--

Status:	Active
Year of Installation:	1990
Corrosion Protection:	
Capacity:	25000
Tank Fuel Type:	Liquid Fuel Single Wall UST - Gasoline

72	3 of 16	S/155.4	95.8	AUTOMOTIVE MANAGER BELL CANADA 160 BAY ST N HAMILTON ON L8R 2P6	FSTH

License Issue Date:	12/10/1990
Tank Status:	Licensed
Tank Status As Of:	December 2008
Operation Type:	Private Fuel Outlet
Facility Type:	Gasoline Station - Self Serve

--Details--

Status:	Active
Year of Installation:	1990
Corrosion Protection:	
Capacity:	25000
Tank Fuel Type:	Liquid Fuel Single Wall UST - Gasoline

72	4 of 16	S/155.4	95.8	BELL CANADA 160 BAY STREET NORTH HAMILTON ON L8R 2P6	GEN

Generator No.: ON0473603
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 517110, 517210, 517510
SIC Description: WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE), 517510

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Julie Labelle
Phone No. Admin: 514-870-0688 Ext.

--Details--

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 131
Waste Description: NEUTRALIZED WASTES - HEAVY METALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

---

72 | **5 of 16** | **S/155.4** | **95.8** | **BELL CANADA**
160 BAY STREET NORTH
HAMILTON ON L8R 2P6 | **GEN**

Generator No.: ON0473603
Status: Registered
Approval Years: As of Jun 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country: Canada
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 213 I
Waste Description: Petroleum distillates

Waste Code: 243 D
Waste Description: PCB

Waste Code: 331 I
Waste Description: Waste compressed gases including cylinders

Waste Code: 221 I
Waste Description: Light fuels

Waste Code: 145 L
Waste Description: Wastes from the use of pigments, coatings and paints

Waste Code: 251 L
Waste Description: Waste oils/sludges (petroleum based)

Waste Code: 212 L
Waste Description: Aliphatic solvents and residues

Waste Code: 121 C
Waste Description: Alkaline slutions - containing heavy metals

Waste Code: 252 L
Waste Description: Waste crankcase oils and lubricants

---

72 | ***6 of 16*** | ***S/155.4*** | ***95.8*** | ***BELL CANADA***
160 BAY STREET NORTH
HAMILTON ON L8R 2P6 | ***GEN***

Generator No.: ON0473603
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 517110, 517210, 517510
SIC Description: WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE), 517510

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Julie Labelle
Phone No. Admin: 514-870-0688 Ext.

--Details--

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 131
Waste Description: NEUTRALIZED WASTES - HEAVY METALS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

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72 | **7 of 16** | **S/155.4** | **95.8** | **BELL CANADA**
160 BAY STREET NORTH
HAMILTON ON L8R 2P6 | **GEN**

Generator No.: ON0473603
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 517110, 517210, 517510
SIC Description: WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE), 517510

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Chloé Lamothe-Luneau
Phone No. Admin: 514-391-1021 Ext.

--Details--

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 131
Waste Description: NEUTRALIZED WASTES - HEAVY METALS

Waste Code: 148

Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 243
Waste Description: PCBS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

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72 | **8 of 16** | **S/155.4** | **95.8** | **BELL CANADA**
160 BAY STREET NORTH
HAMILTON ON L8R 2P6 | **GEN**

Generator No.: ON0473603
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 517110, 517210, 517510
SIC Description: Wired Telecommunications Carriers, Wireless Telecommunications Carriers (except Satellite), Cable and Other Program Distribution

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 131
Waste Description: NEUTRALIZED WASTES - HEAVY METALS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

72 **9 of 16** **S/155.4** **95.8**

BELL CANADA
160 BAY STREET NORTH
HAMILTON ON L8R 2P6

GEN

Generator No.: ON0473603
Status:
Approval Years: 97,98,99,00,01,02,03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code: 4821
SIC Description: TELECOMMUN. CARRRIERS

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 131
Waste Description: NEUTRALIZED WASTES - HEAVY METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

72 **10 of 16** **S/155.4** **95.8**

BELL CANADA
160 BAY STREET
HAMILTON ON L8R 2P6

GEN

Generator No.: ON0473603
Status:
Approval Years: 86,87
Contam. Facility:

PO Box No.:
Country:
Choice of Contact:
Co Admin:

MHSW Facility: ***Phone No. Admin:***
SIC Code: 4821
SIC Description: TELECOMMUN. CARRRIERS

--Details--
Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 131
Waste Description: NEUTRALIZED WASTES - HEAVY METALS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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72 ***11 of 16*** ***S/155.4*** ***95.8*** ***BELL CANADA***
160 BAY STREET NORTH
HAMILTON ON L8R 2P6 ***GEN***

Generator No.: ON0473603 ***PO Box No.:***
Status: ***Country:***
Approval Years: 2010 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No. Admin:***
SIC Code: 517110, 517210, 517510
SIC Description: Wired Telecommunications Carriers, Wireless Telecommunications Carriers (except Satellite), Cable and Other Program Distribution

--Details--
Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 131
Waste Description: NEUTRALIZED WASTES - HEAVY METALS

Waste Code: 263

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
72	12 of 16	S/155.4	95.8	BELL CANADA 160 BAY STREET NORTH HAMILTON ON	GEN

Generator No.: ON0473603
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 517110, 517210, 517510
SIC Description: WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE)

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 131
Waste Description: NEUTRALIZED WASTES - HEAVY METALS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
72	13 of 16	S/155.4	95.8	BELL CANADA 160 BAY STREET HAMILTON ON L8R 2P6	GEN

Generator No.: ON0473603
Status:
Approval Years: 88,89,92,93,96
Contam. Facility:
MHSW Facility:
SIC Code: 6351
SIC Description: GARAGES(GEN. REPAIR)

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 131
Waste Description: NEUTRALIZED WASTES - HEAVY METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
72	14 of 16	S/155.4	95.8	BELL CANADA 160 BAY STREET NORTH HAMILTON ON L8R 2P6	GEN

Generator No.: ON0473603
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 517110, 517210, 517510
SIC Description: Wired Telecommunications Carriers, Wireless Telecommunications Carriers (except Satellite), Cable and Other Program Distribution

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 131
Waste Description: NEUTRALIZED WASTES - HEAVY METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

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72 | **15 of 16** | **S/155.4** | **95.8** | **BELL CANADA**
160 BAY STREET NORTH
HAMILTON ON L8R 2P6 | **GEN**

Generator No.: ON0473603
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 517110, 517210, 517510
SIC Description: Wired Telecommunications Carriers, Wireless Telecommunications Carriers (except Satellite), Cable and Other Program Distribution

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 131
Waste Description: NEUTRALIZED WASTES - HEAVY METALS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

72	16 of 16	S/155.4	95.8	AUTOMOTIVE MANAGER BELL CANADA 160 BAY ST N HAMILTON ON L8R 2P6	PRT

Location ID: 5835
Type: private
Expiry Date:
Capacity (L): 25000.00
Licence #: 0001046474

73	1 of 1	SW/155.7	95.0	R.M. OF HAMILTON-WENTWORTH HARRIET ST./HESS ST. N. HAMILTON ON	CA

Certificate #: 7-0800-98-
Application Year: 98
Issue Date: 8/17/1998
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

74	1 of 3	SW/158.2	89.3	195 Hess Street North Hamilton ON L8R 2T1	CA

Certificate #: 2309-56EMM2
Application Year: 02
Issue Date: 1/18/02
Approval Type: Industrial air
Status: Approved

Application Type: New Certificate of Approval
Client Name:: Hess Auto Body Limited
Client Address:: 195 Hess Street North
Client City:: Hamilton
Client Postal Code:: L8R 2T1
Project Description:: This application is for one (1) automotive paint spray booth, equipped with dry type paint arrestor filters for overspray control, for the application of solvent based refinish coatings to repaired auto body components and complete vehicles. The spray booth exhausts solvent vapours to atmosphere through one (1) roof-mounted stack, modified to discharge vertically.
Contaminants::
Emission Control:: Panel Filter

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74 | 2 of 3 | SW/158.2 | 89.3 | **Hess Auto Body Limited**
195 Hess Street North
HAMILTON ON L8R 2T1 | EBR

Company Name:
Year: 2001
Notice Type: Instrument
EBR Registry No.: IA01E1692
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date: 12/6/01
Ministry Ref. No.:
Location: 195 Hess Street North,Hamilton, OntarioHAMILTON
Proponent Address: Hess Auto Body Limited195 Hess Street North,Hamilton, Ontario, L8R 2T1
Notice Date:

---

74 | 3 of 3 | SW/158.2 | 89.3 | **Hess Auto Body Limited**
195 Hess St N
Hamilton ON L8R 2T1 | ECA

Approval No: 2309-56EMM2
Project Type: Air
Date: 1/18/2002
Status: Approved
Longitude:
Latitude:
Record Type: ECA
PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/0285-556MVZ-14.pdf
Full Address:

---

75 | 1 of 1 | WSW/163.1 | 89.3 | **ON** | WWIS

Well ID: 7231191
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Specific Capacity:
Municipality: HAMILTON CITY
County: WENTWORTH
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information
-- --
Bore Hole ID: 1005282092
DP2BR:
Code OB:
Code OB Description:
Open Hole:
Date Completed: 19-JUL-10

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Remarks:
Zone: 17
East 83: 591290
North 83: 4790845
UTMRC: 5
UTMRC Description: margin of error : 100 m - 300 m
Location Method: wwr
Org CS: UTM83
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
-- --
-- --

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76 ***1 of 2*** ***S/170.0*** ***95.7*** ***Mayer Choong Medicine Professional***
20 Railway St
Hamilton ON L8R2R3 ***GEN***

Generator No.: ON8756442
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Emily Bertrand
Phone No. Admin: 9055231444 Ext.221

--Details--
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

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76 ***2 of 2*** ***S/170.0*** ***95.7*** ***Mayer Choong Medicine Professional***
20 Railway St
Hamilton ON L8R2R3 ***GEN***

Generator No.: ON8756442
Status: Registered
Approval Years: As of Jun 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country: Canada
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 312 P
Waste Description: Pathological wastes

---

77 ***1 of 1*** ***W/171.5*** ***90.7*** ***at 13 Greig St***
Hamilton ON L8R 2W8 ***SPL***

Ref No: 4154-8GUR3Y
Contaminant Code: 12
Contaminant Name: GASOLINE
Contaminant Quantity: 2 L
Incident Cause:

Incident Dt:	5/14/2011
Incident Reason:	
Incident Summary:	Spill of 2 L gasoline
MOE Reported Dt:	5/14/2011
Environmental Impact:	Confirmed
Nature of Impact:	Soil Contamination; Surface Water Pollution
Receiving Medium:	
SAC Action Class:	Watercourse Spills
Sector Source Type:	Motor Vehicle
Receiving Environment:	
Incident Event:	
Site Municipality:	Hamilton

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78 | **1 of 1** | **NW/172.0** | **77.9** | **Stuart St Hess St N**
Hamilton ON L8R 3N6 | **EHS**

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20130803001
Addit. Info Ordered::	Fire Insur. Maps and/or Site Plans
Report Date:	14-AUG-13
Report Type:	Custom Report
Search Radius (km):	.25

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79 | **1 of 1** | **W/175.8** | **91.0** | **219 Queen Street North<UNOFFICIAL>**
Hamilton ON L8R 2W2 | **SPL**

Ref No:	3174-8E6THM
Contaminant Code:	12
Contaminant Name:	GASOLINE
Contaminant Quantity:	5 L
Incident Cause:	Container Leak (Fuel Tank Barrels)
Incident Dt:	2/17/2011
Incident Reason:	Spill
Incident Summary:	Motor Vehicle-<5 L Gasoline to Roadway,Cleaned-Up.
MOE Reported Dt:	2/17/2011
Environmental Impact:	Not Anticipated
Nature of Impact:	
Receiving Medium:	
SAC Action Class:	Highway Spills (usually highway accidents)
Sector Source Type:	Motor Vehicle
Receiving Environment:	
Incident Event:	
Site Municipality:	Hamilton

---

80 | **1 of 21** | **E/176.9** | **87.6** | **HAMILTON-WENTWORTH C.D. SCHOOL BOARD**
PLANT DEPARTMENT 57 STUART STREET
HAMILTON ON L8R 1B5 | **GEN**

Generator No.:	ON0300908	**PO Box No.:**	
Status:		**Country:**	Canada
Approval Years:	2016	**Choice of Contact:**	CO_OFFICIAL
Contam. Facility:	No	**Co Admin:**	PAUL FERRIE
MHSW Facility:	No	**Phone No. Admin:**	905-525-2930 Ext.2123
SIC Code:	611690		
SIC Description:	ALL OTHER SCHOOLS AND INSTRUCTION		

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 243
Waste Description: PCBS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

---

80 ***2 of 21*** ***E/176.9*** ***87.6*** ***HAMILTON-WENTWORTH C.D. SCHOOL BOARD PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8R 1B5*** ***GEN***

Generator No.: ON0300908
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 611690
SIC Description: ALL OTHER SCHOOLS AND INSTRUCTION
PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: DAVE MORRISSEY
Phone No. Admin: 905-525-2930 Ext.

--Details--
Waste Code: 243
Waste Description: PCBS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 145

Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

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80 | **3 of 21** | **E/176.9** | **87.6** | **HAMILTON-WENTWORTH C.D. SCHOOL BOARD PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8R 1B5** | **GEN**

Generator No.: ON0300908
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 611690
SIC Description: ALL OTHER SCHOOLS AND INSTRUCTION

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: DAVE MORRISSEY
Phone No. Admin: 905-525-2930 Ext.

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 243
Waste Description: PCBS

Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

---

80 | **4 of 21** | **E/176.9** | **87.6** | **HAMILTON-WENTWORTH C.D. SCHOOL BOARD PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8R 1B5** | **GEN**

Generator No.: ON0300908
Status: Registered
Approval Years: As of Jun 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country: Canada
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 331 I
Waste Description: Waste compressed gases including cylinders

Waste Code: 148 L
Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 112 C
Waste Description: Acid solutions - containing heavy metals

Waste Code: 122 C
Waste Description: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Code: 264 L
Waste Description: Photoprocessing wastes

Waste Code: 213 I
Waste Description: Petroleum distillates

Waste Code: 264 C
Waste Description: Photoprocessing wastes

Waste Code: 331 L
Waste Description: Waste compressed gases including cylinders

Waste Code: 213 L
Waste Description: Petroleum distillates

Waste Code: 145 L
Waste Description: Wastes from the use of pigments, coatings and paints

Waste Code: 145 I
Waste Description: Wastes from the use of pigments, coatings and paints

Waste Code: 113 C
Waste Description: Acid solutions - containing other metals and non-metals

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80 ***5 of 21*** ***E/176.9*** ***87.6*** ***HAMILTON-WENTWORTH SEPARATE S.B. 19-190***
PLANT OPERATIONS BUILDING 57 STUART ST.
HAMILTON ON L8L 1B5 ***GEN***

Generator No.: ON0300908
Status:
Approval Years: 94
Contam. Facility:
MHSW Facility:
SIC Code: 8599
SIC Description: OTHER EDUC. SERV.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 243
Waste Description: PCB'S

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80 ***6 of 21*** ***E/176.9*** ***87.6*** ***HAMILTON-WENTWORTH C.D. SCHOOL BOARD***
PLANT DEPARTMENT 57 STUART STREET
HAMILTON ON L8L 1B5 ***GEN***

Generator No.: ON0300908
Status:
Approval Years: 2011
Contam. Facility:

PO Box No.:
Country:
Choice of Contact:
Co Admin:

MHSW Facility: **Phone No. Admin:**
SIC Code: 611690
SIC Description: All Other Schools and Instruction

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 243
Waste Description: PCBS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

---

80 | ***7 of 21*** | ***E/176.9*** | ***87.6*** | ***HAMILTON-WENTWORTH C.D. SCHOOL BOARD PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8L 1B5*** | ***GEN***

Generator No.: ON0300908
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 611690
SIC Description: All Other Schools and Instruction

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 243
Waste Description: PCBS

---

80 **8 of 21** **E/176.9** **87.6** **HAMILTON-WENTWORTH C.D. SCHOOL BOARD**
PLANT DEPARTMENT 57 STUART STREET
HAMILTON ON **GEN**

Generator No.: ON0300908
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 611690
SIC Description: ALL OTHER SCHOOLS AND INSTRUCTION

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 243
Waste Description: PCBS

---

80 **9 of 21** **E/176.9** **87.6** **HAMILTON-WENTWORTH C.D. SCHOOL BOARD**
PLANT DEPARTMENT 57 STUART STREET
HAMILTON ON L8L 1B5 **GEN**

Generator No.: ON0300908
Status:
Approval Years: 02,03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 331

Waste Description: WASTE COMPRESSED GASES

Waste Code: 243
Waste Description: PCB'S

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

---

80 ***10 of 21*** ***E/176.9*** ***87.6*** ***HAMILTON-WENTWORTH R.C.S. SCHOOL BOARD***
PLANT OPERATIONS 57 STUART STREET
HAMILTON ON L8R 1B5 ***GEN***

Generator No.: ON0300908
Status:
Approval Years: 92,93,95,96,97,98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 8599
SIC Description: OTHER EDUC. SERV.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 243
Waste Description: PCB'S

---

80 ***11 of 21*** ***E/176.9*** ***87.6*** ***HAMILTON-WENTWORTH C.D. SCHOOL BOARD***
PLANT DEPARTMENT 57 STUART STREET
HAMILTON ON L8L 1B5 ***GEN***

Generator No.: ON0300908
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 611690
SIC Description: All Other Schools and Instruction

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

Waste Code: 243
Waste Description: PCBS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

---

80 | ***12 of 21*** | ***E/176.9*** | ***87.6*** | ***HAMILTON-WENTWORTH C.D. SCHOOL BOARD PLANT DEPARTMENT 57 STUART STREET HAMILTON ON L8L 1B5*** | ***GEN***

Generator No.: ON0300908
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 611690
SIC Description: All Other Schools and Instruction

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 243
Waste Description: PCBS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

---

80 | ***13 of 21*** | ***E/176.9*** | ***87.6*** | ***HAMILTON-WENTWORTH SEPARATE S.B. PLANT OPERATIONS BUILDING 57 STUART ST. HAMILTON ON L8L 1B5*** | ***GEN***

Generator No.: ON0300908
Status:
Approval Years: 86,87,88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 8599
SIC Description: OTHER EDUC. SERV.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

---

80 | ***14 of 21*** | ***E/176.9*** | ***87.6*** | ***HAMILTON -WENTWORTH R.C. SEP. SCHOOL BRD*** | ***NPCB***

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
				57 STUART STREET ***HAMILTON ON L8L 1B5***	

Company Code: F0360
Industry:
Site Status:
Transaction Date: 1/29/1996
Inspection Date:

--Details--
Label:
Serial No.:
PCB Type/Code: Askarel
Location:
Item/State:
No. of Items:
Manufacturer:
Status: Stored for Disposal
Contents: 600.00 KG

Label:
Serial No.:
PCB Type/Code: Askarel
Location:
Item/State:
No. of Items:
Manufacturer:
Status: Stored for Disposal
Contents: 1200.00 KG

80	***15 of 21***	***E/176.9***	***87.6***	***HAMILTON - WENTWORTH R.C. SEP. SCHOOL BRD*** ***57 STUART STREET*** ***HAMILTON ON L8L 1B5***	***NPCB***

Company Code: F0349
Industry: UNDEFINED
Site Status:
Transaction Date:
Inspection Date:

80	***16 of 21***	***E/176.9***	***87.6***	***HAMILTON WENTWORTH SEPERATE SCHOOL BOARD*** ***57 STUART STREET*** ***HAMILTON ON L8L 1B5***	***OPCB***

Year: 1992
Site Number: 20192A009
Name Owner:
Additional Site Information:

80	***17 of 21***	***E/176.9***	***87.6***	***HAMILTON -WENTWORTH R.C. SEP. SCHOOL BRD*** ***57 STUART STREET*** ***HAMILTON ON L8L 1B5***	***OPCB***

Year: 1995
Site Number: 20193A003
Name Owner:
Additional Site Information:

--Details--
Quantity: 2.00
Address Site:
Description: Number of Drums of Ballasts with High Level PCBs (>1000 ppm)

Quantity: 400.00
Address Site:
Description: Weight of Drums of Ballasts with High Level PCBs (>1000 ppm) kg

---

80 | ***18 of 21*** | ***E/176.9*** | ***87.6*** | ***HAMILTON -WENTWORTH R.C. SEP. SCHOOL BRD***
57 STUART STREET
HAMILTON ON L8L 1B5 | ***OPCB***

Year: 1998
Site Number: 20193A003
Name Owner:
Additional Site Information:

--Details--
Quantity: 2.00
Address Site:
Description: Number of Drums of Ballasts with High Level PCBs (>1000 ppm)

Quantity: 400.00
Address Site:
Description: Calculated Weight (Kg) of Drums of Ballasts with High Level PCBs (>1000 ppm)

---

80 | ***19 of 21*** | ***E/176.9*** | ***87.6*** | ***HAMILTON -WENTWORTH R.C. SEP. SCHOOL BRD***
57 STUART STREET
HAMILTON ON L8L 1B5 | ***OPCB***

Year: 2000
Site Number: 20193A003
Name Owner:
Additional Site Information:

--Details--
Quantity: 92.00
Address Site:
Description: Number of Drums of Ballasts with High Level PCBs (>1000 ppm)

Quantity: 18400.00
Address Site:
Description: Calculated Weight (Kg) of Drums of Ballasts with High Level PCBs (>1000 ppm)

---

80 | ***20 of 21*** | ***E/176.9*** | ***87.6*** | ***HAMILTON -WENTWORTH R.C. SEP. SCHOOL BRD***
57 STUART STREET
HAMILTON ON L8L 1B5 | ***OPCB***

Year: 1999
Site Number: 20193A003
Name Owner:
Additional Site Information:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

--Details--
Quantity: 92.00
Address Site:
Description: Number of Drums of Ballasts with High Level PCBs (>1000 ppm)

Quantity: 18400.00
Address Site:
Description: Calculated Weight (Kg) of Drums of Ballasts with High Level PCBs (>1000 ppm)

---

80 | ***21 of 21*** | ***E/176.9*** | ***87.6*** | ***HAMILTON-WENTWORHT R.C.S. SCHOOL BOARD***
57 STUART STREET
HAMILTON ON L8L 1B5 | ***REC***

Rec Op Div:
Co Admin:
Phone No Admin:
Rec Div:
Rec Op Name:
Choice of Contact:
Site Bldg:
Site PO Box:
Receiver #:: 201-93A003
Facility Type: TRANSFER STATION
Approval Yrs:: 94,95,96,97,98,99,00,01,02,03,04,05,06,07,08

--Details--
Waste Code: 243
Waste Description: PCB'S

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81 | ***1 of 6*** | ***NW/183.3*** | ***77.9*** | ***Canadian National Railway Company***
241 Stuart St Parking Lot
Hamilton ON H3B 2M9 | ***ECA***

Approval No: 1069-95AQPW
Project Type: Industrial Sewage Works
Date: 3/28/2013 12:10:14 PM
Status: Approved
Longitude:
Latitude:
Record Type: ECA
PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/9571-8VQQWZ-14.pdf
Full Address:

---

81 | ***2 of 6*** | ***NW/183.3*** | ***77.9*** | ***THE REGIONAL MUNICIPALITY OF HAMILTON WENTWORTH - TRANSPORTATION/ENVIRONMENTAL***
241 STUART ST
HAMILTON ON L8R 2W6 | ***EXP***

Instance No: 11497289
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 6/24/1997

81 *3 of 6* *NW/183.3* *77.9* ***SOUTHERN ONTARIO RAILWAY*** ***241 STUART ST. WEST*** ***HAMILTON ON L8R 3H2*** ***GEN***

Generator No.:	ON2467704	***PO Box No.:***	
Status:		***Country:***	Canada
Approval Years:	2014	***Choice of Contact:***	CO_OFFICIAL
Contam. Facility:	No	***Co Admin:***	
MHSW Facility:	No	***Phone No. Admin:***	
SIC Code:	482112		
SIC Description:	482112		

--Details--

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

81 *4 of 6* *NW/183.3* *77.9* ***SOUTHERN ONTARIO RAILWAY*** ***241 STUART ST. WEST*** ***HAMILTON ON L8R 3H2*** ***GEN***

Generator No.:	ON2467704	***PO Box No.:***	
Status:		***Country:***	Canada
Approval Years:	2015	***Choice of Contact:***	CO_OFFICIAL
Contam. Facility:	No	***Co Admin:***	
MHSW Facility:	No	***Phone No. Admin:***	
SIC Code:	482112		
SIC Description:	482112		

--Details--

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Waste Code: 212

Waste Description: ALIPHATIC SOLVENTS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 253
Waste Description: EMULSIFIED OILS

---

81 | **5 of 6** | **NW/183.3** | **77.9** | **SOUTHERN ONTARIO RAILWAY**
241 STUART ST. WEST
HAMILTON ON L8R 3H2 | **GEN**

Generator No.: ON2467704
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 482112
SIC Description: 482112

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 253
Waste Description: EMULSIFIED OILS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

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81 | **6 of 6** | **NW/183.3** | **77.9** | **SOUTHERN ONTARIO RAILWAY**
241 STUART ST. WEST
HAMILTON ON L8R 3H2 | **GEN**

Generator No.:	ON2467704	**PO Box No.:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Jun 2017	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:			
SIC Description:			

--Details--

Waste Code:	251 L
Waste Description:	Waste oils/sludges (petroleum based)
Waste Code:	262 L
Waste Description:	Detergents and soaps
Waste Code:	252 L
Waste Description:	Waste crankcase oils and lubricants
Waste Code:	253 L
Waste Description:	Emulsified oils
Waste Code:	212 L
Waste Description:	Aliphatic solvents and residues
Waste Code:	221 L
Waste Description:	Light fuels

---

82 ***1 of 1*** ***NE/187.1*** ***82.4*** ***ON*** ***BORE***

Borehole ID:	621986	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	591814	**Northing::**	4791223
Location Accuracy::		**Orig. Ground Elev m::**	85
Elev. Reliability Note::		**DEM Ground Elev m::**	83.1
Total Depth m::	15.7	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUN-1962	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423613	**Top Depth(m):**	0.0
Bottom Depth(m):	7.3	**Stratum Desc:**	FILL,SAND,CINDERS. BLACK,MAN-MADE,LOOSE, AGE POST-GLACIAL.
Stratum ID:	218423614	**Top Depth(m):**	7.3
Bottom Depth(m):	8.8	**Stratum Desc:**	SAND,MUCK,ORGANIC. BLACK,VERY SOFT,GRANULAR, AGE GLACIAL.
Stratum ID:	218423615	**Top Depth(m):**	8.8
Bottom Depth(m):	9.8	**Stratum Desc:**	CLAY,SAND,SILT. GREEN,SOFT,LAYERED, AGE GLACIAL.
Stratum ID:	218423616	**Top Depth(m):**	9.8
Bottom Depth(m):	12.2	**Stratum Desc:**	CLAY,SILT. GREEN,FIRM,UNIFORM, AGE GLACIAL.
Stratum ID:	218423617	**Top Depth(m):**	12.2
Bottom Depth(m):	13.7	**Stratum Desc:**	CLAY(43). GREEN,SOFT,UNIFORM, AGE GLACIAL.

Stratum ID:	218423618	**Top Depth(m):**	13.7
Bottom Depth(m):	15.2	**Stratum Desc:**	CLAY. GREEN,FIRM,UNIFORM, AGE GLACIAL.
Stratum ID:	218423619	**Top Depth(m):**	15.2
Bottom Depth(m):	15.7	**Stratum Desc:**	CLAY. GREEN,FIRM,UNIFORM, AGE GLACIAL. 001 028 024 018024030

83 **1 of 1** **S/187.2** **95.5** **16 Railway Street, Hamilton ON** **INC**

Incident No:	363752
Incident ID:	
Attribute Category:	FS-Perform L1 Near Miss Insp
Status Code:	
Incident Location:	16 Railway Street, Hamilton - Near Miss
Drainage System:	
Sub Surface Contam.:	
Aff. Prop. Use Water:	
Contam. Migrated:	
Contact Natural Env.:	
Near Body of Water:	
Approx. Quant. Rel.:	
Equipment Model:	
Serial No:	
Residential App. Type:	
Commercial App. Type:	
Industrial App. Type:	
Institutional App. Type:	
Venting Type:	
Vent Connector Mater:	
Vent Chimney Mater:	
Pipeline Type:	
Pipeline Involved:	
Pipe Material:	
Depth Ground Cover:	
Regulator Location:	
Regulator Type:	
Operation Pressure:	
Liquid Prop Make:	
Liquid Prop Model:	
Liquid Prop Serial No:	
Equipment Type:	
Cylinder Capacity:	
Cylinder Capac. Units:	
Cylinder Material Type:	
Tank Capacity:	
Fuels Occurence Type:	N/A
Fuel Type Involved:	Natural Gas
Date of Occurence:	2010/04/14 00:00:00
Time of Occurence:	NULL
Occur Insp Start Date:	2010/04/14 00:00:00
Any Health Impact:	No
Any Environmental Impact:	No
Was Service Interrupted:	No
Was Property Damaged:	No
Operation Type Involved:	Private Dwelling
Enforcement Policy:	NULL
Prc Escalation Required:	NULL
Task No:	2846400
Notes:	
Occurence Narrative:	NULL
Tank Material Type:	

Tank Storage Type:
Tank Location Type:
Pump Flow Rate Capac:
Liquid Prop Notes:

---

84 ***1 of 1*** ***E/187.7*** ***91.5*** ***ON*** ***BORE***

Borehole ID:	621299	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Digging	***UTM Zone::***	17
Easting::	591874	***Northing::***	4790943
Location Accuracy::		***Orig. Ground Elev m::***	94.2
Elev. Reliability Note::		***DEM Ground Elev m::***	91.5
Total Depth m::	4	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	MAR-1970	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218420303	***Top Depth(m):***	3.0
Bottom Depth(m):	4.0	***Stratum Desc:***	SAND-FINE TO MEDIUM,SILT. BROWN,DENSE,LAYERED, AGE GLACIAL. ,BOULDERS
Stratum ID:	218420302	***Top Depth(m):***	0.0
Bottom Depth(m):	3.0	***Stratum Desc:***	SILT,SAND. BROWN,LOOSE,AGE GLACIAL.

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85 ***1 of 2*** ***WSW/188.0*** ***93.0*** ***203 Queen Street North Hamilton Wentworth Reg Municipality ON L8R 2W2*** ***EHS***

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20120404033
Addit. Info Ordered::
Report Date: 4/9/2012
Report Type: Standard Report
Search Radius (km): 0.25

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85 ***2 of 2*** ***WSW/188.0*** ***93.0*** ***Ribesa Tool & Die Company Ltd. 203 Queen St N Hamilton ON L8R 2W2*** ***SCT***

Established: 01-AUG-87
Plant Size (ft²): 5000
Employment:

--Details--
Description: Mining and Oil and Gas Field Machinery Manufacturing
SIC/NAICS Code: 333130

Description: Other Metalworking Machinery Manufacturing
SIC/NAICS Code: 333519

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Description: Other Metalworking Machinery Manufacturing
SIC/NAICS Code: 333519

Description: Cutlery and Hand Tool Manufacturing
SIC/NAICS Code: 332210

Description: All Other General-Purpose Machinery Manufacturing
SIC/NAICS Code: 333990

Description: All Other Industrial Machinery Manufacturing
SIC/NAICS Code: 333299

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86 | **1 of 1** | **SSW/188.1** | **94.8** | **27 Mill St, Waterdown Hamilton ON L8R 2E2** | **SPL**

Ref No: 4757-72ZGM3
Contaminant Code: 12
Contaminant Name: GASOLINE
Contaminant Quantity: 1 L
Incident Cause: Other Transport Accident
Incident Dt:
Incident Reason: Equipment Failure - Malfunction of system components
Incident Summary: Attridge Trans: 1 L gas to raod, cleaned
MOE Reported Dt: 5/8/2007
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium: Land
SAC Action Class:
Sector Source Type: Other Motor Vehicle
Receiving Environment:
Incident Event:
Site Municipality: Hamilton

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87 | **1 of 1** | **E/188.7** | **91.1** | **50 Murray Street West Hamilton ON L8L 1B3** | **EHS**

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20101027016
Addit. Info Ordered:: Fire Insur. Maps and/or Site Plans; Title Searches; Aerial Photos; Topographic Maps
Report Date: 11/4/2010
Report Type: Standard Report
Search Radius (km): 0.25

---

88 | **1 of 1** | **ESE/193.6** | **93.8** | **220 Park Street North, Hamilton ON** | **INC**

Incident No: 431904
Incident ID:
Attribute Category: FS-Perform L1 Incident Insp
Status Code:
Incident Location: 220 Park Street North, Hamilton - CO Release
Drainage System:
Sub Surface Contam.:
Aff. Prop. Use Water:
Contam. Migrated:
Contact Natural Env.:

Near Body of Water:	
Approx. Quant. Rel.:	
Equipment Model:	
Serial No:	
Residential App. Type:	
Commercial App. Type:	
Industrial App. Type:	
Institutional App. Type:	
Venting Type:	
Vent Connector Mater:	
Vent Chimney Mater:	
Pipeline Type:	
Pipeline Involved:	
Pipe Material:	
Depth Ground Cover:	
Regulator Location:	
Regulator Type:	
Operation Pressure:	
Liquid Prop Make:	
Liquid Prop Model:	
Liquid Prop Serial No:	
Equipment Type:	
Cylinder Capacity:	
Cylinder Capac. Units:	
Cylinder Material Type:	
Tank Capacity:	
Fuels Occurence Type:	CO Release
Fuel Type Involved:	Natural Gas
Date of Occurence:	2010/08/06 00:00:00
Time of Occurence:	19:56:00
Occur Insp Start Date:	2010/08/09 00:00:00
Any Health Impact:	No
Any Environmental Impact:	No
Was Service Interrupted:	No
Was Property Damaged:	No
Operation Type Involved:	Private Dwelling
Enforcement Policy:	NULL
Prc Escalation Required:	NULL
Task No:	3002407
Notes:	
Occurence Narrative:	Co release inside occupied residence
Tank Material Type:	
Tank Storage Type:	
Tank Location Type:	
Pump Flow Rate Capac:	
Liquid Prop Notes:	

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89 | ***1 of 2*** | ***E/195.3*** | ***90.3*** | ***GUPM Construction Mgrs.***
50 Murray St.West
Hamilton ON | ***GEN***

Generator No.:	ON6549780	***PO Box No.:***	
Status:		***Country:***	
Approval Years:	2012	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No. Admin:***	
SIC Code:	238291		
SIC Description:	Elevator and Escalator Installation Contractors		

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89 | ***2 of 2*** | ***E/195.3*** | ***90.3*** | ***Mission Services of Hamilton Inc.***
50 MURRAY ST W, HAMILTON, ON, L8L 1B3
ON L8L 1B3 | ***RSC***

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Reg No:	112322	**Prop. ID No:**	17152-0010 (LT)
RSC Type:		**Asmt Roll No:**	25 18 020 126 09180
Current Property Use:	Community	**Intended Prop Use:**	Residential
District Office:	HAMILTON CITY	**Nm of Qual. Person:**	Edward Raddatz
Date Submitted:	14-Jun-11	**Stratified (Y/N):**	
Date Ack:		**Audit (Y/N):**	
Date Returned:		**Accuracy Estimate:**	2 to 5 meters
Cert Date:	24-Mar-11	**Mailing Address:**	Suite BOX 368, 293 WELLINGTON ST N, HAMILTON, ON, L8L 7W2
Cert Prop Use No:	No CPU	**Telephone:**	905-5284211
Restoration Type:		**Fax:**	905-5210251
Soil Type:		**Email:**	executive@mission-services.com
Criteria:			

CPU Issued Sect 1686: No
Entire legal prop. (Y/N): Yes
Applicable Standards: Full Depth Site Conditions Standard, with Potable Ground Water, Medium/Fine Textured Soil, for Residential/Parkland/Institutional property use
Consultant:
Filing Owner:
Legal Desc: LT 6-9 BLK 20 Registered Plan No. 127; City of Hamilton
Measurement Method: Global Positioning System
Latitude & Latitude: 43.26560520N 79.86758610W (converted from UTM)
UTM Coordinates: NAD83 17-591903-4790933

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90 **1 of 1** **NW/198.6** **77.3** **ON** **BORE**

Borehole ID:	622624	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	591174	**Northing::**	4791263
Location Accuracy::		**Orig. Ground Elev m::**	102
Elev. Reliability Note::		**DEM Ground Elev m::**	77.3
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUN-1963	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218426425	**Top Depth(m):**	27.4
Bottom Depth(m):	35.4	**Stratum Desc:**	CLAY,SILT,GRAVEL. GREEN,HARD,UNIFORM, AGE GLACIAL.
Stratum ID:	218426426	**Top Depth(m):**	35.4
Bottom Depth(m):	69.0	**Stratum Desc:**	SOIL,SOIL. VERY SOFT,AGE GLACIAL.
Stratum ID:	218426427	**Top Depth(m):**	69.0
Bottom Depth(m):		**Stratum Desc:**	REFUSAL OF ENTRY. 024 000200080014503000250007004500110090003300270
Stratum ID:	218426420	**Top Depth(m):**	0.0
Bottom Depth(m):	0.6	**Stratum Desc:**	FILL,CINDERS. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218426421	**Top Depth(m):**	0.6
Bottom Depth(m):	4.4	**Stratum Desc:**	SAND-MEDIUM. GREEN,LOOSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218426422	**Top Depth(m):**	4.4
Bottom Depth(m):	7.6	**Stratum Desc:**	CLAY,SILT,SAND. BROWN,VERY SOFT,UNIFORM, AGE GLACIAL.

Stratum ID:	218426423	**Top Depth(m):**	7.6
Bottom Depth(m):	13.7	**Stratum Desc:**	CLAY,SILT,GRAVEL. GREEN,FIRM,UNIFORM, AGE GLACIAL.
Stratum ID:	218426424	**Top Depth(m):**	13.7
Bottom Depth(m):	27.4	**Stratum Desc:**	CLAY,SILT,GRAVEL. GREEN,STIFF,UNIFORM, AGE GLACIAL.

91 **1 of 1** **ENE/199.0** **84.8** **Hamilton ON** **WWIS**

Well ID:	7221314	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:		**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Abandoned-Other	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HAMILTON CITY (BARTON)	**UTM Reliability:**	
County:	WENTWORTH		

Bore Hole Information	
--	--
Bore Hole ID:	1004800118
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	01-MAY-14
Remarks:	
Zone:	17
East 83:	591865
North 83:	4791145
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1005160325
Layer:	1
General Color:	
Most Common Material:	
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	92.5
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1005160330

Method Construction Code:	
Method Construction:	
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1005160324
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1005160328
Layer:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1005160329
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	
--	--
Water Details	
--	--
Water ID:	1005160327
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	30.5
Water Found Depth UOM:	ft
--	--
Hole Diameter	
--	--
Hole ID:	1005160326
Diameter:	3.5
Depth From:	0
Depth To:	6.5
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

92 **1 of 1** **SSE/200.5** **95.1** **ON** **WWIS**

Well ID:	7204741	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:		**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:		**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HAMILTON CITY (BARTON)	**UTM Reliability:**	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

County: WENTWORTH

Bore Hole Information

--	--
Bore Hole ID:	1004421688
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	29-AUG-12
Remarks:	
Zone:	17
East 83:	591639
North 83:	4790574
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
93	1 of 1	SSW/201.5	94.8	**Lockwood Motors Limited** **154 Cannon Street East** **Hamilton ON L8R 1G1**	ECA

Approval No:	6858-74JHXV
Project Type:	Air
Date:	6/27/2007 4:28:10 PM
Status:	Approved
Longitude:	-79.86044
Latitude:	43.25851
Record Type:	ECA
PDF URL:	https://www.accessenvironment.ene.gov.on.ca/instruments/6216-6Y9JZB-14.pdf
Full Address:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
94	1 of 6	S/205.5	94.9	**1195609 ONTARIO LTD R WILSON TRUCKING** **136 CANNON ST W** **HAMILTON ON**	EXP

Instance No:	10472098
Instance ID:	22589
Instance Type:	FS Highway Tank - Gas/Diesel
Description:	FS HIGHWAY TANK - GASOLINE/DIESEL
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
94	2 of 6	S/205.5	94.9	**CRESCENT FUELS LIMITED** **136 CANNON ST W** **HAMILTON ON**	EXP

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Instance No: 10455002
Instance ID: 18440
Instance Type: FS Highway Tank - Gas/Diesel
Description: FS HIGHWAY TANK - GASOLINE/DIESEL
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

---

94 | **3 of 6** | **S/205.5** | **94.9** | **CRESCENT FUELS LIMITED**
136 CANNON ST W
HAMILTON ON | **EXP**

Instance No: 10459769
Instance ID: 18865
Instance Type: FS Highway Tank - Gas/Diesel
Description: FS HIGHWAY TANK - GASOLINE/DIESEL
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

---

94 | **4 of 6** | **S/205.5** | **94.9** | **FISHER DISTRIBUTION**
136 CANNON ST W
HAMILTON ON | **EXP**

Instance No: 10474358
Instance ID: 22456
Instance Type: FS Highway Tank - Gas/Diesel
Description: FS HIGHWAY TANK - GASOLINE/DIESEL
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

---

94 | **5 of 6** | **S/205.5** | **94.9** | **Crescent Oil Co. of Canada Ltd.**
136 Cannon St. West
Hamilton ON | **GEN**

Generator No.: ON3713348
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 412110
SIC Description: PETROLEUM PRODUCT WHOLESALER-DISTRIBUTORS

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code:		221			
Waste Description:		LIGHT FUELS			
94	6 of 6	S/205.5	94.9	FUELS INC 136 CANNON ST W HAMILTON ON L8R2B9	RST
Code:		00426100			
Facility:		DIESEL FUEL			
Description:					
List Name:					
95	1 of 4	NW/206.9	76.8	CANADIAN NATIONAL RAILWAY STUART STREET YARD HAMILTON ON	CA
Certificate #:		4-0144-98-			
Application Year:		98			
Issue Date:		//			
Approval Type:		Industrial wastewater			
Status:		PE1			
Application Type:					
Client Name::					
Client Address::					
Client City::					
Client Postal Code::					
Project Description::		DISCHARGE TREATED GROUNDWATER-STORM SEW.			
Contaminants::					
Emission Control::					
95	2 of 4	NW/206.9	76.8	CANADIAN NATIONAL RAILWAY CN RAIL YARD,STEWART STREET. MOTOR VEHICLE (OPERATING FLUID) HAMILTON CITY ON	SPL
Ref No:		105421			
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:		PIPE/HOSE LEAK			
Incident Dt:		9/20/1994			
Incident Reason:		EQUIPMENT FAILURE			
Incident Summary:		CN RAIL-90 L HYDRAULIC OIL TO BALLAST,CONTAINED,HOSE ON CRANE FAILED.			
MOE Reported Dt:		9/20/1994			
Environmental Impact:		NOT ANTICIPATED			
Nature of Impact:					
Receiving Medium:		LAND			
SAC Action Class:					
Sector Source Type:					
Receiving Environment:					
Incident Event:					
Site Municipality:		16101			
95	3 of 4	NW/206.9	76.8	CANADIAN NATIONAL RAILWAY C.N. TANKER PARKED AT THE STEWART YARD TRAIN HAMILTON CITY ON	SPL

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Ref No:	27273
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	OTHER CONTAINER LEAK
Incident Dt:	10/31/1989
Incident Reason:	UNKNOWN
Incident Summary:	CN RAIL - SMALL AMOUNT OF BUTANE TO AIR FROM LEAK ON RAIL CAR.
MOE Reported Dt:	10/31/1989
Environmental Impact:	
Nature of Impact:	
Receiving Medium:	AIR
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	16101

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
95	4 of 4	NW/206.9	76.8	CANADIAN NATIONAL RAILWAY TRACK #4 AT STUART ST. YARD TRAIN HAMILTON CITY ON	SPL

Ref No:	22361
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	OTHER CONTAINER LEAK
Incident Dt:	7/20/1989
Incident Reason:	DAMAGE BY MOVING EQUIPMENT
Incident Summary:	CNR-LEAKING FUEL TANK FROM ENGINE (IN TRANSIT) FROM SARNIA TO HAMILTON.
MOE Reported Dt:	7/21/1989
Environmental Impact:	NOT ANTICIPATED
Nature of Impact:	
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	16101

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
96	1 of 1	E/208.6	91.2	R.M. OF HAMILTON-WENTWORTH MURRAY ST/MACNAB ST/PARK ST. HAMILTON ON	CA

Certificate #:	3-0802-98-
Application Year:	98
Issue Date:	6/23/1998
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
97	1 of 1	SSW/211.2	94.8	ON	BORE

Borehole ID:	625880	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591374	**Northing::**	4790593
Location Accuracy::		**Orig. Ground Elev m::**	98.2
Elev. Reliability Note::		**DEM Ground Elev m::**	95.2
Total Depth m::	7.8	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	AUG-1967	**Static Water Level::**	.7
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218438143	**Top Depth(m):**	2.8
Bottom Depth(m):	7.8	**Stratum Desc:**	SAND-FINE TO MEDIUM,GRAVEL. BROWN,VERY DENSE,LAYERED, AGE QUATERNARY. 0005202800092063
Stratum ID:	218438141	**Top Depth(m):**	0.0
Bottom Depth(m):	1.6	**Stratum Desc:**	FILL,SLAG,GRAVEL, SAND. RED,MOIST.
Stratum ID:	218438142	**Top Depth(m):**	1.6
Bottom Depth(m):	2.8	**Stratum Desc:**	SILT,SAND. DENSE,LAYERED,AGE QUATERNARY, WATER STABLE AT 319.8 FEET.

98	***1 of 1***	***S/214.2***	***95.8***	***lot 16 con 2 HAMILTON ON***	***WWIS***

Well ID:	6814367	**Lot:**	016
Construction Date:		**Concession:**	02
Primary Water Use:		**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Observation Wells	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HAMILTON CITY	**UTM Reliability:**	
County:	WENTWORTH		

Bore Hole Information

--	--
Bore Hole ID:	11327576
DP2BR:	
Code OB:	o
Code OB Description:	Overburden
Open Hole:	
Date Completed:	10-DEC-03
Remarks:	
Zone:	17
East 83:	591520
North 83:	4790560
UTMRC:	
UTMRC Description:	
Location Method:	wwr
Org CS:	UTM83
Elevation:	96.26
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	

Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	933036413
Layer:	1
General Color:	
Most Common Material:	
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	.05
Formation End Depth UOM:	m
--	--
Formation ID:	933036414
Layer:	2
General Color:	GREY
Most Common Material:	SAND
Other Materials:	GRAVEL
Other Materials:	DRY
Formation Top Depth:	.05
Formation End Depth:	.4
Formation End Depth UOM:	m
--	--
Formation ID:	933036415
Layer:	3
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	SILTY
Other Materials:	WATER-BEARING
Formation Top Depth:	.4
Formation End Depth:	7.9
Formation End Depth UOM:	m
--	--
Formation ID:	933036416
Layer:	4
General Color:	BROWN
Most Common Material:	CLAY
Other Materials:	SILTY
Other Materials:	WATER-BEARING
Formation Top Depth:	7.9
Formation End Depth:	8.2
Formation End Depth UOM:	m
--	--
Formation ID:	933036417
Layer:	5
General Color:	BROWN
Most Common Material:	MEDIUM SAND
Other Materials:	COARSE SAND
Other Materials:	LIGHT-COLOURED
Formation Top Depth:	8.2
Formation End Depth:	9.1
Formation End Depth UOM:	m
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	933280237
Layer:	1
Plug From:	0
Plug To:	.3
Plug Depth UOM:	m
--	--
Plug ID:	933280236
Layer:	2

Plug From:	.3
Plug To:	5.45
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	966814367
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	11342431
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930872460
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	6.06
Casing Diameter:	5
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	933415330
Layer:	1
Slot:	20
Screen Top Depth:	6.06
Screen End Depth:	9.1
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.4
--	--
Water Details	
--	--
Water ID:	934067026
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	
Water Found Depth UOM:	m
--	--
Hole Diameter	
--	--
Hole ID:	11548639
Diameter:	21
Depth From:	0
Depth To:	9.1
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

99	***1 of 1***	***SSE/214.9***	***94.8***	***lot 15 con 2 HAMILTON ON***	***WWIS***

Well ID:	6814142	***Lot:***	015
Construction Date:		***Concession:***	02
Primary Water Use:		***Concession Name:***	CON
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Observation Wells	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	HAMILTON CITY (BARTON)	***UTM Reliability:***	
County:	WENTWORTH		

Bore Hole Information

--	--
Bore Hole ID:	11179955
DP2BR:	
Code OB:	o
Code OB Description:	Overburden
Open Hole:	
Date Completed:	11-NOV-04
Remarks:	
Zone:	17
East 83:	591649
North 83:	4790562
UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	95.37
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	932991326
Layer:	1
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	STONES
Other Materials:	FILL
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	m
--	--
Formation ID:	932991327
Layer:	2
General Color:	RED
Most Common Material:	SAND
Other Materials:	STONES
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	6.2
Formation End Depth UOM:	m
--	--
Formation ID:	932991328
Layer:	3
General Color:	BROWN
Most Common Material:	SAND
Other Materials:	
Other Materials:	
Formation Top Depth:	6.2

Formation End Depth:	8.2
Formation End Depth UOM:	m
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	933263157
Layer:	1
Plug From:	0
Plug To:	1.6
Plug Depth UOM:	m
--	--
Plug ID:	933263158
Layer:	2
Plug From:	1.6
Plug To:	8.2
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	966814142
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	11188474
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930853242
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	1.9
Casing Diameter:	5.1
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	933411092
Layer:	1
Slot:	10
Screen Top Depth:	1.9
Screen End Depth:	8.2
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.4
--	--
Water Details	
--	--
Water ID:	934057404
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	7.6
Water Found Depth UOM:	m
--	--

Hole Diameter	
--	--
Hole ID:	11314442
Diameter:	15
Depth From:	0
Depth To:	8.2
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

100 **1 of 2** **W/217.8** **94.7** **ON** **BORE**

Borehole ID:	621573	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591144	**Northing::**	4790953
Location Accuracy::		**Orig. Ground Elev m::**	94.5
Elev. Reliability Note::		**DEM Ground Elev m::**	95
Total Depth m::	6.6	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUN-1969	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218421541	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	ASPHALT. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218421542	**Top Depth(m):**	0.1
Bottom Depth(m):	0.2	**Stratum Desc:**	FILL,SAND,GRAVEL. BROWN,MAN-MADE, AGE POST-GLACIAL.
Stratum ID:	218421543	**Top Depth(m):**	0.2
Bottom Depth(m):	0.5	**Stratum Desc:**	SOIL. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218421544	**Top Depth(m):**	0.5
Bottom Depth(m):	1.5	**Stratum Desc:**	FILL,SILT,SAND. BROWN,MAN-MADE,LOOSE, AGE POST-GLACIAL.
Stratum ID:	218421545	**Top Depth(m):**	1.5
Bottom Depth(m):	3.0	**Stratum Desc:**	SAND,SILT. BROWN,LOOSE,AGE GLACIAL.
Stratum ID:	218421546	**Top Depth(m):**	3.0
Bottom Depth(m):	4.4	**Stratum Desc:**	SAND-FINE TO MEDIUM.BROWN,AGE GLACIAL.
Stratum ID:	218421547	**Top Depth(m):**	4.4
Bottom Depth(m):	6.6	**Stratum Desc:**	TILL,SILT,SAND, GRAVEL. BROWN,GLACIAL,DENSE,LAYERED, AGE GLACIAL. 00015002000500030010001600145 12

100 **2 of 2** **W/217.8** **94.7** **ON** **BORE**

Borehole ID:	621574	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591144	**Northing::**	4790953
Location Accuracy::		**Orig. Ground Elev m::**	94.5
Elev. Reliability Note::		**DEM Ground Elev m::**	95

Total Depth m::	12.6	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUN-1969	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218421548	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	ASPHALT. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218421549	**Top Depth(m):**	0.1
Bottom Depth(m):	1.9	**Stratum Desc:**	FILL,SAND-MEDIUM, GRAVEL. BROWN,MAN-MADE,LOOSE, AGE POST-GLACIAL.
Stratum ID:	218421550	**Top Depth(m):**	1.9
Bottom Depth(m):	3.4	**Stratum Desc:**	SAND-MEDIUM. BROWN,AGE GLACIAL.
Stratum ID:	218421551	**Top Depth(m):**	3.4
Bottom Depth(m):	6.9	**Stratum Desc:**	TILL,SILT,SAND,CLAY.BROWN,GLACIAL,HARD, AGE GLACIAL.
Stratum ID:	218421552	**Top Depth(m):**	6.9
Bottom Depth(m):	10.1	**Stratum Desc:**	SAND-MEDIUM,SILT. BROWN,DENSE,AGE GLACIAL.
Stratum ID:	218421553	**Top Depth(m):**	10.1
Bottom Depth(m):	11.6	**Stratum Desc:**	SILT,SAND-MEDIUM. BROWN,DENSE,AGE GLACIAL.
Stratum ID:	218421554	**Top Depth(m):**	11.6
Bottom Depth(m):	12.6	**Stratum Desc:**	SILT,SAND-MEDIUM. GREEN,DENSE,AGE GLACIAL. 0000301400063013001121600022502600330058003800400025 3

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101 **1 of 1** **NE/219.2** **78.7** **ON** **BORE**

Borehole ID:	625600	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Jetting	**UTM Zone::**	17
Easting::	591784	**Northing::**	4791293
Location Accuracy::		**Orig. Ground Elev m::**	77.1
Elev. Reliability Note::		**DEM Ground Elev m::**	78.4
Total Depth m::	5.2	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	FEB-1970	**Static Water Level::**	.1
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218437314	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL.
Stratum ID:	218437315	**Top Depth(m):**	0.2
Bottom Depth(m):	1.6	**Stratum Desc:**	FILL,SAND,SILT, CINDERS. BLACK,COMPACT, WATER STABLE AT 252.6 FEET.
Stratum ID:	218437316	**Top Depth(m):**	1.6
Bottom Depth(m):	4.4	**Stratum Desc:**	SILT,SAND,CLAY. BROWN,LOOSE,LAYERED, AGE

QUATERNARY.

Stratum ID: 218437317 **Top Depth(m):** 4.4
Bottom Depth(m): 5.2 **Stratum Desc:** TILL,SILT,CLAY. BROWN,STIFF,AGE QUATERNARY. 030 024 028 00007020000

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102 **1 of 16** **SSW/221.4** **94.8** **Crescent Oil Co. of Canada Ltd.** **GEN**
136 Cannon St. West
Hamilton ON L8R 2B9

Generator No.: ON3713348 **PO Box No.:**
Status: **Country:** Canada
Approval Years: 2014 **Choice of Contact:** CO_ADMIN
Contam. Facility: No **Co Admin:** Dash Ewen
MHSW Facility: No **Phone No. Admin:** 905-527-2432 Ext.223
SIC Code: 412110
SIC Description: PETROLEUM PRODUCT WHOLESALER-DISTRIBUTORS

--Details--
Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

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102 **2 of 16** **SSW/221.4** **94.8** **Crescent Oil Co. of Canada Ltd.** **GEN**
136 Cannon St. West
Hamilton ON L8R 2B9

Generator No.: ON3713348 **PO Box No.:**
Status: Registered **Country:** Canada
Approval Years: As of Jun 2017 **Choice of Contact:**
Contam. Facility: **Co Admin:**
MHSW Facility: **Phone No. Admin:**
SIC Code:
SIC Description:

--Details--
Waste Code: 252 L
Waste Description: Waste crankcase oils and lubricants

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102 **3 of 16** **SSW/221.4** **94.8** **Crescent Oil Co. of Canada Ltd.** **GEN**
136 Cannon St. West
Hamilton ON L8R 2B9

Generator No.: ON3713348 **PO Box No.:**
Status: **Country:** Canada
Approval Years: 2016 **Choice of Contact:** CO_ADMIN
Contam. Facility: No **Co Admin:** Dash Ewen
MHSW Facility: No **Phone No. Admin:** 905-527-2432 Ext.223
SIC Code: 412110
SIC Description: PETROLEUM PRODUCT WHOLESALER-DISTRIBUTORS

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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102 ***4 of 16*** ***SSW/221.4*** ***94.8*** ***Crescent Oil Co. of Canada Ltd.***
136 Cannon St. West
Hamilton ON L8R 2B9 ***GEN***

Generator No.: ON3713348
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 412110
SIC Description: PETROLEUM PRODUCT WHOLESALER-DISTRIBUTORS

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Dash Ewen
Phone No. Admin: 905-527-2432 Ext.223

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 221
Waste Description: LIGHT FUELS

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102 ***5 of 16*** ***SSW/221.4*** ***94.8*** ***Crescent Oil Co. of Canada Ltd.***
136 Cannon St. West
Hamilton ON L8R 2B9 ***GEN***

Generator No.: ON3713348
Status:
Approval Years: 03,04
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

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102 ***6 of 16*** ***SSW/221.4*** ***94.8*** ***CRESCENT OIL CO. OF CANADA LTD.***
136 CANNON ST. WEST
HAMILTON ON L8R 2B9 ***GEN***

Generator No.: ON0931500
Status:
Approval Years: 86,87,88,89,90
Contam. Facility:

PO Box No.:
Country:
Choice of Contact:
Co Admin:

MHSW Facility: ***Phone No. Admin:***
SIC Code: 5529
SIC Description: OTHER VEH. PARTS/AC.

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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102 ***7 of 16*** ***SSW/221.4*** ***94.8*** ***Crescent Oil Co. of Canada Ltd.*** ***GEN***
136 Cannon St. West
Hamilton ON L8R 2B9

Generator No.: ON3713348 ***PO Box No.:***
Status: ***Country:***
Approval Years: 2012 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No. Admin:***
SIC Code: 412110
SIC Description: Petroleum Product Wholesaler-Distributors

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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102 ***8 of 16*** ***SSW/221.4*** ***94.8*** ***Crescent Oil Co. of Canada Ltd.*** ***GEN***
136 Cannon St. West
Hamilton ON L8R 2B9

Generator No.: ON3713348 ***PO Box No.:***
Status: ***Country:***
Approval Years: 2010 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No. Admin:***
SIC Code: 412110
SIC Description: Petroleum Product Wholesaler-Distributors

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
102	9 of 16	SSW/221.4	94.8	Crescent Oil Co. of Canada Ltd. 136 Cannon St. West Hamilton ON L8R 2B9	GEN

Generator No.: ON3713348
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 412110
SIC Description: Petroleum Product Wholesaler-Distributors

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 221
Waste Description: LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
102	10 of 16	SSW/221.4	94.8	CRESCENT OIL CO. OF CANADA LTD. 136 CANNON STREET WEST HAMILTON ON L8R 2B9	GEN

Generator No.: ON0931500
Status:
Approval Years: 97,98
Contam. Facility:
MHSW Facility:
SIC Code: 5529
SIC Description: OTHER VEH. PARTS/AC.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
102	11 of 16	SSW/221.4	94.8	CRESCENT OIL CO. OF CANADA LTD. 11-312 136 CANNON ST. WEST HAMILTON ON L8R 2B9	GEN

Generator No.: ON0931500
Status:
Approval Years: 92,93,94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 5529
SIC Description: OTHER VEH. PARTS/AC.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
102	12 of 16	SSW/221.4	94.8	CRESCENT OIL COMPANY OF CANADA LIMITED 136 CANNON STREET WEST HAMILTON ON L8R 2B9	GEN

Generator No.: ON0931500
Status:
Approval Years: 99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 5529
SIC Description: OTHER VEH. PARTS/AC.

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
102	13 of 16	SSW/221.4	94.8	FUELS 136 CANNON ST W HAMILTON ON L8R 2B9	RST

Code: 01070510
Facility: PROPANE GAS-SALES & SERVICE
Description:
List Name:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
102	14 of 16	SSW/221.4	94.8	Crescent Oil Co. of Canada Ltd 136 Cannon St W Hamilton ON L8R 2B9	SCT

Established: 01-SEP-05
Plant Size (ft²): 10000
Employment:

--Details--
Description: Petroleum Product Wholesaler-Distributors
SIC/NAICS Code: 412110

Description: Petroleum Product Wholesaler-Distributors
SIC/NAICS Code: 412110

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
102	15 of 16	SSW/221.4	94.8	Crescent Oil Co. of Canada Ltd. 136 Cannon St W Hamilton ON L8R 2B9	SCT

Established: 1905
Plant Size (ft²): 10000
Employment: 6

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
102	16 of 16	SSW/221.4	94.8	CRESCENT OIL CO. OF CANADA LTD 136 CANNON STREET WEST, AT THE LOADING DOCKS ON RAILWAY STREET AT THE SIDE TANK TRUCK (CARGO) HAMILTON CITY ON L8R 2B9	SPL

Ref No: 32367
Contaminant Code:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 3/21/1990
Incident Reason: ERROR
Incident Summary: CRESCENT OIL- 300 LTR HYDRAULIC FLUID SPILLED TO GROUND, STORM SEWERS
MOE Reported Dt: 3/21/1990
Environmental Impact:
Nature of Impact:
Receiving Medium: LAND / WATER
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 16101

103	1 of 4	SSE/222.1	94.8	141 Park Street North Hamilton ON L8R 2N4	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20020626013w
Addit. Info Ordered::
Report Date: 6/26/02
Report Type: Online Mapless Report
Search Radius (km): 0.25

103	2 of 4	SSE/222.1	94.8	141 Park St North Hamilton ON L8R 2N4	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20020705005
Addit. Info Ordered::
Report Date: 7/15/02
Report Type: Complete Report
Search Radius (km): 0.25

103	3 of 4	SSE/222.1	94.8	141 Park Street North Hamilton ON L8R 2N4	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20040604017
Addit. Info Ordered::
Report Date: 6/8/04
Report Type: Site Report
Search Radius (km): 0.25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
103	4 of 4	SSE/222.1	94.8	141 Park Street North Hamilton ON L8R 2N4	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20120801034
Addit. Info Ordered::
Report Date: 13-AUG-12
Report Type: Standard Report
Search Radius (km): .25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
104	1 of 1	NE/228.3	81.5	ON	BORE

Borehole ID: 625598
Use: Geotechnical/Geological Investigation
Drill Method:: Diamond Drill
Easting:: 591834
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: 6.7
Township::
Lot::
Completion Date:: FEB-1970
Primary Water Use:: Not Used

Type: Borehole
Status::
UTM Zone:: 17
Northing:: 4791263
Orig. Ground Elev m:: 82.2
DEM Ground Elev m:: 81.7
Primary Name::
Concession::
Municipality:
Static Water Level:: -999.9
Sec. Water Use::

--Details--
Stratum ID: 218437307
Bottom Depth(m): 6.7

Top Depth(m): 0.0
Stratum Desc: FILL,SILT,SAND, CINDERS. GREEN,LOOSE. 00000010L

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
105	1 of 1	S/228.4	95.8	ON	BORE

Borehole ID: 625914
Use: Geotechnical/Geological Investigation
Drill Method:: Power auger
Easting:: 591474
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: 13.2
Township::
Lot::
Completion Date:: AUG-1967
Primary Water Use:: Not Used

Type: Borehole
Status::
UTM Zone:: 17
Northing:: 4790553
Orig. Ground Elev m:: 97.2
DEM Ground Elev m:: 96.1
Primary Name::
Concession::
Municipality:
Static Water Level:: .6
Sec. Water Use::

--Details--
Stratum ID: 218438243
Bottom Depth(m): 0.1

Top Depth(m): 0.0
Stratum Desc: FILL,GRAVEL.

Stratum ID: 218438244
Bottom Depth(m): 1.0

Top Depth(m): 0.1
Stratum Desc: SAND,SILT. BLACK,LOOSE,AGE QUATERNARY.

Stratum ID: 218438245
Bottom Depth(m): 13.2

Top Depth(m): 1.0
Stratum Desc: SAND-FINE TO MEDIUM,SILT. BROWN,DENSE,LAYERED, AGE QUATERNARY, WATER STABLE AT 316.8

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

FEET.

Stratum ID: 218438246 **Top Depth(m):** 13.2
Bottom Depth(m): 13.2 **Stratum Desc:** BEDROCK,LIMESTONE, SHALE,SILT. AGE ORDOVICIAN. 0003405600433240

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106 **1 of 1** **NE/230.3** **77.7** **Harbour Front Drive Hamilton ON** **EHS**

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20131008003
Addit. Info Ordered::
Report Date: 17-OCT-13
Report Type: Standard Report
Search Radius (km): .25

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107 **1 of 1** **NE/233.1** **78.8** **ON** **BORE**

Borehole ID: 621985 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::**
Drill Method:: Diamond Drill **UTM Zone::** 17
Easting:: 591794 **Northing::** 4791303
Location Accuracy:: **Orig. Ground Elev m::** 76.6
Elev. Reliability Note:: **DEM Ground Elev m::** 78.7
Total Depth m:: 39.9 **Primary Name::**
Township:: **Concession::**
Lot:: **Municipality:**
Completion Date:: JUN-1962 **Static Water Level::** -999.9
Primary Water Use:: Not Used **Sec. Water Use::**

--Details--

Stratum ID: 218423605 **Top Depth(m):** 0.0
Bottom Depth(m): 2.1 **Stratum Desc:** FILL,CINDERS,SAND, GRAVEL. BLACK,MAN-MADE,COMPACT, AGE POST-GLACIAL.

Stratum ID: 218423606 **Top Depth(m):** 2.1
Bottom Depth(m): 3.6 **Stratum Desc:** SILT,SAND-MEDIUM TO COARSE. BROWN,FIRM,GRANULAR, AGE GLACIAL.

Stratum ID: 218423607 **Top Depth(m):** 3.6
Bottom Depth(m): 5.5 **Stratum Desc:** CLAY,SILT. BROWN,FIRM,UNIFORM, AGE GLACIAL.

Stratum ID: 218423608 **Top Depth(m):** 5.5
Bottom Depth(m): 13.7 **Stratum Desc:** CLAY,GRAVEL. GREEN,SOFT,UNIFORM, AGE GLACIAL.

Stratum ID: 218423609 **Top Depth(m):** 13.7
Bottom Depth(m): 21.3 **Stratum Desc:** CLAY(35),GRAVEL(07).GREEN,FIRM,UNIFORM, AGE GLACIAL.

Stratum ID: 218423610 **Top Depth(m):** 21.3
Bottom Depth(m): 27.5 **Stratum Desc:** CLAY,GRAVEL. GREEN,STIFF,UNIFORM, AGE GLACIAL.

Stratum ID: 218423611 **Top Depth(m):** 27.5
Bottom Depth(m): 28.7 **Stratum Desc:** SILT. BROWN,VERY DENSE,GRANULAR,

AGE GLACIAL.

Stratum ID: 218423612
Top Depth(m): 28.7
Bottom Depth(m): 39.9
Stratum Desc: TILL,SILT,SAND, BOULDERS. RED,GLACIAL,VERY DENSE,RUBBLY,AGE GLACIAL. 023 023

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108 *1 of 2* *S/233.5* *95.8* **HAMILTON AUTO SUPPLY LTD.** **20-343** **GEN**
127 BAY ST. NORTH
HAMILTON ON L8R 2P5

Generator No.: ON1145400
PO Box No.:
Status:
Country:
Approval Years: 92,93,94,95,96,97,98
Choice of Contact:
Contam. Facility:
Co Admin:
MHSW Facility:
Phone No. Admin:
SIC Code: 6341
SIC Description: HOME/AUTO. SUPPLY

--Details--
Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

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108 *2 of 2* *S/233.5* *95.8* **HAMILTON AUTO SUPPLY LTD.** **GEN**
127 BAY ST. NORTH
HAMILTON ON L8R 2P5

Generator No.: ON1145400
PO Box No.:
Status:
Country:
Approval Years: 89
Choice of Contact:
Contam. Facility:
Co Admin:
MHSW Facility:
Phone No. Admin:
SIC Code: 6341
SIC Description: HOME/AUTO. SUPPLY

--Details--
Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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109 *1 of 1* *NE/233.8* *85.1* **BORE**
ON

Borehole ID: 625597
Type: Borehole
Use: Geotechnical/Geological Investigation
Status::
Drill Method:: Diamond Drill
UTM Zone:: 17
Easting:: 591864
Northing:: 4791233
Location Accuracy::
Orig. Ground Elev m:: 88.1

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Elev. Reliability Note::		***DEM Ground Elev m::***	85.4
Total Depth m::	30.8	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	FEB-1970	***Static Water Level::***	1.1
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218437303	***Top Depth(m):***	0.0
Bottom Depth(m):	4.6	***Stratum Desc:***	FILL,SAND,SILT, CINDERS. BROWN,LOOSE.
Stratum ID:	218437304	***Top Depth(m):***	4.6
Bottom Depth(m):	6.2	***Stratum Desc:***	SILT,SAND,CLAY,FILL.BROWN,LOOSE, WATER STABLE AT 285.4 FEET.
Stratum ID:	218437305	***Top Depth(m):***	6.2
Bottom Depth(m):	12.8	***Stratum Desc:***	SILT,CLAY,SAND. GREEN,DENSE,STRATIFIED, AGE QUATERNARY.
Stratum ID:	218437306	***Top Depth(m):***	12.8
Bottom Depth(m):	30.8	***Stratum Desc:***	CLAY,SILT,SAND, GRAVEL. GREEN,LAYERED,AGE QUATERNARY. 016 025 000000050015000

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110 ***1 of 1*** ***NNE/234.7*** ***74.8*** ***ON*** ***BORE***

Borehole ID:	622839	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	591624	***Northing::***	4791363
Location Accuracy::		***Orig. Ground Elev m::***	74.3
Elev. Reliability Note::		***DEM Ground Elev m::***	75.4
Total Depth m::	6.2	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	JAN-1963	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218427333	***Top Depth(m):***	0.0
Bottom Depth(m):	1.8	***Stratum Desc:***	WATER.
Stratum ID:	218427334	***Top Depth(m):***	1.8
Bottom Depth(m):	2.7	***Stratum Desc:***	SILT,ORGANIC,SHELLS.GREEN,VERY LOOSE,AGE GLACIAL.
Stratum ID:	218427335	***Top Depth(m):***	2.7
Bottom Depth(m):	4.3	***Stratum Desc:***	SILT,SAND-MEDIUM. BROWN,LOOSE,AGE GLACIAL.
Stratum ID:	218427336	***Top Depth(m):***	4.3
Bottom Depth(m):	5.8	***Stratum Desc:***	SILT. BROWN,DENSE,AGE GLACIAL.
Stratum ID:	218427337	***Top Depth(m):***	5.8
Bottom Depth(m):	6.2	***Stratum Desc:***	CLAY,SILT. BROWN,VERY SOFT,AGE GLACIAL. 000600000009000500140030001900 26

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
111	1 of 2	SSE/239.8	94.8	HAMILTON ON	WWIS

Well ID: 6814569
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Specific Capacity:
Municipality: HAMILTON CITY
County: WENTWORTH

Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

--	--
Bore Hole ID:	11695833
DP2BR:	
Code OB:	_
Code OB Description:	No formation data
Open Hole:	
Date Completed:	15-AUG-06
Remarks:	
Zone:	17
East 83:	591647
North 83:	4790535
UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	95.48
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Annular Space/Abandonment Sealing Record

--	--
Plug ID:	933308281
Layer:	1
Plug From:	25
Plug To:	0
Plug Depth UOM:	ft
--	--

Method of Construction & Well Use

--	--
Method Construction ID:	966814569
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	
--	--

Pipe Information

--	--
Pipe ID:	11700699
Casing Number:	1
Comment:	
Alt Name:	

Hole Diameter

--	--
Hole ID:	11760123
Diameter:	1.25
Depth From:	25

Depth To:	0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

111 **2 of 2** **SSE/239.8** **94.8** **HAMILTON ON** **WWIS**

Well ID:	6814568	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:		**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Observation Wells	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HAMILTON CITY	**UTM Reliability:**	
County:	WENTWORTH		

Bore Hole Information

--	--
Bore Hole ID:	11695832
DP2BR:	
Code OB:	_
Code OB Description:	No formation data
Open Hole:	
Date Completed:	15-AUG-06
Remarks:	
Zone:	17
East 83:	591647
North 83:	4790536
UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	95.47
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Annular Space/Abandonment Sealing Record

--	--
Plug ID:	933308280
Layer:	1
Plug From:	19
Plug To:	0
Plug Depth UOM:	ft
--	--

Method of Construction & Well Use

--	--
Method Construction ID:	966814568
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	
--	--

Pipe Information

--	--
Pipe ID:	11700698
Casing Number:	1

Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930892291
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	20
Depth To:	0
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	933421652
Layer:	1
Slot:	
Screen Top Depth:	20
Screen End Depth:	25
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2
--	--
Hole Diameter	
--	--
Hole ID:	11760122
Diameter:	8
Depth From:	25
Depth To:	0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

112	***1 of 1***	***WSW/240.9***	***94.8***	***PRIVATE OWNER SOUTH SIDE OF LITTLE GREG ST/QUEEN ST NORTH, NEAR PARKING ENTRANCE. MOTOR VEHICLE (OPERATING FLUID) HAMILTON CITY ON***	***SPL***

Ref No:	138486
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	OTHER CONTAINER LEAK
Incident Dt:	3/21/1997
Incident Reason:	UNKNOWN
Incident Summary:	UNK PRIVATE CAR- SMALL QUANT MOTOR OIL SPILLED ONTO ST,WORKS CLEANING UP
MOE Reported Dt:	3/21/1997
Environmental Impact:	NOT ANTICIPATED
Nature of Impact:	
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	16101

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
113	1 of 1	N/241.2	75.6	ON	BORE

Borehole ID:	622835	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591504	**Northing::**	4791403
Location Accuracy::		**Orig. Ground Elev m::**	74.3
Elev. Reliability Note::		**DEM Ground Elev m::**	74.7
Total Depth m::	10.4	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1963	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218427314	**Top Depth(m):**	0.0
Bottom Depth(m):	1.5	**Stratum Desc:**	WATER.
Stratum ID:	218427315	**Top Depth(m):**	1.5
Bottom Depth(m):	3.0	**Stratum Desc:**	SAND-MEDIUM,ORGANIC.BROWN,VERY LOOSE, AGE POST-GLACIAL.
Stratum ID:	218427316	**Top Depth(m):**	3.0
Bottom Depth(m):	5.2	**Stratum Desc:**	SAND-MEDIUM,SILT. BROWN,LOOSE,AGE POST-GLACIAL.
Stratum ID:	218427317	**Top Depth(m):**	5.2
Bottom Depth(m):	6.1	**Stratum Desc:**	PEAT. AGE POST-GLACIAL.
Stratum ID:	218427318	**Top Depth(m):**	6.1
Bottom Depth(m):	7.5	**Stratum Desc:**	SILT,SAND. GREEN,LOOSE,AGE GLACIAL.
Stratum ID:	218427319	**Top Depth(m):**	7.5
Bottom Depth(m):	8.2	**Stratum Desc:**	SILT. GREEN,COMPACT,AGE GLACIAL.
Stratum ID:	218427320	**Top Depth(m):**	8.2
Bottom Depth(m):	10.4	**Stratum Desc:**	CLAY,SILT. BROWN,VERY SOFT,LAMINATED, AGE GLACIAL. 025 0005000000100004002000070024502O

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
114	1 of 1	NE/242.3	80.6	ON	BORE

Borehole ID:	621987	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	591834	**Northing::**	4791283
Location Accuracy::		**Orig. Ground Elev m::**	81.5
Elev. Reliability Note::		**DEM Ground Elev m::**	80.7
Total Depth m::	20.7	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUN-1962	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423620	**Top Depth(m):**	0.0
Bottom Depth(m):	2.4	**Stratum Desc:**	FILL,SAND,SILT, CINDERS. BLACK,MAN-MADE,LOOSE, AGE POST-GLACIAL.
Stratum ID:	218423621	**Top Depth(m):**	2.4
Bottom Depth(m):	2.7	**Stratum Desc:**	SILT,MUCK,ORGANIC.

BLACK,GRANULAR,AGE GLACIAL.

Stratum ID: 218423622 **Top Depth(m):** 2.7
Bottom Depth(m): 7.9 **Stratum Desc:** SAND-MEDIUM TO COARSE,SILT. BROWN,DENSE,LAYERED, AGE GLACIAL.

Stratum ID: 218423623 **Top Depth(m):** 7.9
Bottom Depth(m): 9.1 **Stratum Desc:** SILT,CLAY,SILT. BROWN,FIRM,LAYERED, AGE GLACIAL.

Stratum ID: 218423624 **Top Depth(m):** 9.1
Bottom Depth(m): 15.2 **Stratum Desc:** CLAY. GREEN,SOFT,UNIFORM, AGE GLACIAL.

Stratum ID: 218423625 **Top Depth(m):** 15.2
Bottom Depth(m): 19.8 **Stratum Desc:** CLAY,GRAVEL. GREEN,SOFT,UNIFORM, AGE GLACIAL.

Stratum ID: 218423626 **Top Depth(m):** 19.8
Bottom Depth(m): 20.7 **Stratum Desc:** CLAY(43),GRAVEL. GREEN,FIRM,UNIFORM, AGE GLACIAL. 014 019 025 0

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115 ***1 of 1*** ***N/243.3*** ***74.8*** ***ON*** ***BORE***

Borehole ID: 622837 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::**
Drill Method:: Power auger **UTM Zone::** 17
Easting:: 591584 **Northing::** 4791383
Location Accuracy:: **Orig. Ground Elev m::** 74.3
Elev. Reliability Note:: **DEM Ground Elev m::** 75
Total Depth m:: 7.9 **Primary Name::**
Township:: **Concession::**
Lot:: **Municipality:**
Completion Date:: JAN-1963 **Static Water Level::** -999.9
Primary Water Use:: Not Used **Sec. Water Use::**

--Details--

Stratum ID: 218427326 **Top Depth(m):** 0.0
Bottom Depth(m): 2.0 **Stratum Desc:** WATER.

Stratum ID: 218427327 **Top Depth(m):** 2.0
Bottom Depth(m): 4.9 **Stratum Desc:** SAND,SILT,ORGANIC. BROWN,VERY LOOSE, AGE POST-GLACIAL.

Stratum ID: 218427328 **Top Depth(m):** 4.9
Bottom Depth(m): 7.9 **Stratum Desc:** CLAY,SILT,GRAVEL. GREEN,STIFF,LAMINATED, AGE POST-GLACIAL. 0006500000160012, AGE

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116 ***1 of 3*** ***S/246.1*** ***95.8*** ***CANADIAN IRON & METAL CO.***
94 CANNON STREET WEST
HAMILTON ON L8R 2B6 ***GEN***

Generator No.: ON0565000 **PO Box No.:**
Status: **Country:**
Approval Years: 86,87,88,89,90 **Choice of Contact:**
Contam. Facility: **Co Admin:**
MHSW Facility: **Phone No. Admin:**
SIC Code: 0007
SIC Description: LETTER ACKNOWLEDG.

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

116 *2 of 3* *S/246.1* *95.8* **CANADIAN IRON & METAL CO. 08-208**
94 CANNON STREET WEST **GEN**
HAMILTON ON L8R 2B6

Generator No.:	ON0565000	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	92,93,94	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:	0007		
SIC Description:	LETTER ACKNOWLEDG.		

116 *3 of 3* *S/246.1* *95.8* **Impressive Printing Inc.** **SCT**
94 Cannon St W Unit 1
Hamilton ON L8R 2B6

Established:	01-AUG-82
Plant Size (ft²):	2000
Employment:	

--Details--

Description:	Other Printing
SIC/NAICS Code:	323119
Description:	Digital Printing
SIC/NAICS Code:	323115
Description:	Quick Printing
SIC/NAICS Code:	323114

117 *1 of 3* *SSE/246.9* *95.0* **Union Gas Limited** **GEN**
133 Park Street North
Hamilton ON L8R 2N4

Generator No.:	ON3125463	**PO Box No.:**	
Status:		**Country:**	Canada
Approval Years:	2016	**Choice of Contact:**	CO_ADMIN
Contam. Facility:	No	**Co Admin:**	Kandis Roettger
MHSW Facility:	No	**Phone No. Admin:**	9052350146 Ext.
SIC Code:	221210		
SIC Description:	NATURAL GAS DISTRIBUTION		

--Details--

Waste Code:	263
Waste Description:	ORGANIC LABORATORY CHEMICALS
Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS
Waste Code:	331
Waste Description:	WASTE COMPRESSED GASES

117 *2 of 3* *SSE/246.9* *95.0* **Union Gas Limited** **GEN**
133 Park Street North
Hamilton ON L8R 2N4

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Generator No.: ON3125463
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 221210
SIC Description: NATURAL GAS DISTRIBUTION

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Kandis Roettger
Phone No. Admin: 9052350146 Ext.

--Details--
Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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117 | ***3 of 3*** | ***SSE/246.9*** | ***95.0*** | ***Union Gas Limited, 133 Park Street North, Hamilton ON L8R 2N4*** | ***GEN***

Generator No.: ON3125463
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 221210
SIC Description: NATURAL GAS DISTRIBUTION

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Kandis Roettger
Phone No. Admin: 9052350146 Ext.

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

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118 | ***1 of 1*** | ***E/247.2*** | ***87.1*** | ***41 Stuart Street, Hamilton ON L8L 1B5*** | ***EHS***

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20120626051
Addit. Info Ordered::
Report Date: 06-JUL-12
Report Type: Standard Report
Search Radius (km): .25

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119 | ***1 of 2*** | ***E/248.1*** | ***86.2*** | ***41 Stuart Street, Hamilton ON L8L 1B5*** | ***EHS***

Postal Code:
City:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Address2:
Address1:
Provstate:
Order No.: 20101109043
Addit. Info Ordered:: Fire Insur. Maps and/or Site Plans
Report Date: 11/18/2010
Report Type: Standard Report
Search Radius (km): 0.25

119	2 of 2	E/248.1	86.2	41 Stuart St Hamilton ON L8L1B5	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20140916070
Addit. Info Ordered:: Topographic Maps
Report Date: 23-SEP-14
Report Type: Standard Report
Search Radius (km): .25

120	1 of 1	SSE/248.2	94.8	Union Gas Limited 133 Park Street North Hamilton ON	GEN

Generator No.: ON3125463
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 221210
SIC Description: NATURAL GAS DISTRIBUTION

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

121	1 of 1	E/248.6	83.1	CANADIAN NATIONAL RAILWAY 20 STEWART ST, CNR YARD. TANK TRUCK (CARGO) HAMILTON CITY ON	SPL

Ref No: 130903
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Dt: 8/23/1996
Incident Reason: EQUIPMENT FAILURE
Incident Summary: CANADIAN NAT. RAILWAYS - 22 L SULPHURIC ACID TO YARD GRAVEL, CLEANED UP.
MOE Reported Dt: 8/23/1996
Environmental Impact: CONFIRMED

Nature of Impact:	Soil contamination
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	16101

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122 **1 of 1** **E/248.8** **84.2** **ON** **BORE**

Borehole ID:	621881	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591954	**Northing::**	4791013
Location Accuracy::		**Orig. Ground Elev m::**	88.8
Elev. Reliability Note::		**DEM Ground Elev m::**	87.3
Total Depth m::	19.4	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1963	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423053	**Top Depth(m):**	0.0
Bottom Depth(m):	0.4	**Stratum Desc:**	LOAM,SAND. BROWN,AGE GLACIAL.
Stratum ID:	218423054	**Top Depth(m):**	0.4
Bottom Depth(m):	6.6	**Stratum Desc:**	SAND(86)-MEDIUM,SILT(14). BROWN,LACUSTRINE,COMPACT, UNIFORM,AGE GLACIAL.
Stratum ID:	218423055	**Top Depth(m):**	6.6
Bottom Depth(m):	7.9	**Stratum Desc:**	SILT,SAND. BROWN,LACUSTRINE,VERY DENSE, UNIFORM,AGE GLACIAL.
Stratum ID:	218423056	**Top Depth(m):**	7.9
Bottom Depth(m):	8.6	**Stratum Desc:**	SAND-MEDIUM,SILT. BROWN,LACUSTRINE,VERY DENSE, UNIFORM,AGE GLACIAL.
Stratum ID:	218423057	**Top Depth(m):**	8.6
Bottom Depth(m):	9.0	**Stratum Desc:**	CLAY,SILT. BROWN,LACUSTRINE,THIN, AGE GLACIAL.
Stratum ID:	218423058	**Top Depth(m):**	9.0
Bottom Depth(m):	9.4	**Stratum Desc:**	SILT,CLAY. BROWN,LACUSTRINE,DENSE, UNIFORM,AGE GLACIAL.
Stratum ID:	218423059	**Top Depth(m):**	9.4
Bottom Depth(m):	10.1	**Stratum Desc:**	SAND-MEDIUM,SILT. BROWN,LACUSTRINE,UNIFORM, AGE GLACIAL.
Stratum ID:	218423060	**Top Depth(m):**	10.1
Bottom Depth(m):	19.4	**Stratum Desc:**	CLAY(30),SILT(50), SAND(20). GREEN,LACUSTRINE,FIRM,UNIFORM,AGE GLACIAL. 031 011

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123 **1 of 1** **ESE/248.9** **91.8** **ON** **BORE**

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Borehole ID:	621880	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Diamond Drill	***UTM Zone::***	17
Easting::	591904	***Northing::***	4790863
Location Accuracy::		***Orig. Ground Elev m::***	91.7
Elev. Reliability Note::		***DEM Ground Elev m::***	91.8
Total Depth m::	19.4	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	FEB-1963	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218423049	***Top Depth(m):***	8.3
Bottom Depth(m):	10.3	***Stratum Desc:***	SILT(80),SAND(8), CLAY(12). BROWN,LACUSTRINE,DENSE, UNIFORM,AGE GLACIAL.
Stratum ID:	218423050	***Top Depth(m):***	10.3
Bottom Depth(m):	10.9	***Stratum Desc:***	CLAY,SILT. BROWN,LACUSTRINE,VERY SOFT, UNIFORM,AGE GLACIAL.
Stratum ID:	218423051	***Top Depth(m):***	10.9
Bottom Depth(m):	11.5	***Stratum Desc:***	SAND-MEDIUM,SILT. BROWN,LACUSTRINE,COMPACT, UNIFORM,AGE GLACIAL.
Stratum ID:	218423052	***Top Depth(m):***	11.5
Bottom Depth(m):	19.4	***Stratum Desc:***	CLAY,SILT,GRAVEL. GREEN,LACUSTRINE,STIFF, UNIFORM,AGE GLACIAL. 009 010
Stratum ID:	218423046	***Top Depth(m):***	0.0
Bottom Depth(m):	0.1	***Stratum Desc:***	SOIL. BROWN,AGE POST-GLACIAL.
Stratum ID:	218423047	***Top Depth(m):***	0.1
Bottom Depth(m):	0.6	***Stratum Desc:***	FILL,SILT,SAND. BROWN,MAN-MADE, AGE POST-GLACIAL.
Stratum ID:	218423048	***Top Depth(m):***	0.6
Bottom Depth(m):	8.3	***Stratum Desc:***	SAND-MEDIUM,SILT, GRAVEL. BROWN,LACUSTRINE,DENSE, UNIFORM,AGE GLACIAL.

124	***1 of 1***	***E/250.5***	***90.0***	***R.M. OF HAMILTON-WENTWORTH MURRAY ST.W/BAY ST.N/JAMES ST. HAMILTON ON***	***CA***

Certificate #:	7-0523-98-
Application Year:	98
Issue Date:	6/17/1998
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
125	1 of 1	SSW/251.9	94.8	ON	BORE

Borehole ID:	625913	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591394	**Northing::**	4790543
Location Accuracy::		**Orig. Ground Elev m::**	97.5
Elev. Reliability Note::		**DEM Ground Elev m::**	95.9
Total Depth m::	9.3	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	AUG-1967	**Static Water Level::**	.7
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218438241	**Top Depth(m):**	0.0
Bottom Depth(m):	2.1	**Stratum Desc:**	FILL,GRAVEL,STONES, ORGANIC. BLACK,LOOSE.
Stratum ID:	218438242	**Top Depth(m):**	2.1
Bottom Depth(m):	9.3	**Stratum Desc:**	SAND,GRAVEL. BROWN,COMPACT,LAYERED, AGE QUATERNARY, WATER STABLE AT 317.5 FEET.0000000400070046

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
126	1 of 1	N/252.0	74.8	ON	BORE

Borehole ID:	622836	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591544	**Northing::**	4791403
Location Accuracy::		**Orig. Ground Elev m::**	74.3
Elev. Reliability Note::		**DEM Ground Elev m::**	74.9
Total Depth m::	12.2	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1963	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218427321	**Top Depth(m):**	0.0
Bottom Depth(m):	5.2	**Stratum Desc:**	WATER.
Stratum ID:	218427322	**Top Depth(m):**	5.2
Bottom Depth(m):	8.2	**Stratum Desc:**	SILT,SAND,ORGANIC. BROWN,VERY LOOSE, AGE POST-GLACIAL.
Stratum ID:	218427323	**Top Depth(m):**	8.2
Bottom Depth(m):	9.3	**Stratum Desc:**	SILT,ORGANIC. BROWN,VERY LOOSE, AGE POST-GLACIAL.
Stratum ID:	218427324	**Top Depth(m):**	9.3
Bottom Depth(m):	11.0	**Stratum Desc:**	PEAT,SILT. BLACK,VERY LOOSE, AGE POST-GLACIAL.
Stratum ID:	218427325	**Top Depth(m):**	11.0
Bottom Depth(m):	12.2	**Stratum Desc:**	CLAY,SILT. GREEN,STIFF,AGE GLACIAL. 027 055 00170000002690000030500300360010

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
127	1 of 2	SSE/253.4	94.8	139 PARK ST N, HAMILTON ON	PINC

Incident ID:		**Health Impact:**	
Incident No:	1144324	**Environment Impact:**	
Type:	FS-Pipeline Incident	**Property Damage:**	Yes
Status Code:	Pipeline Damage Reason Est	**Service Interupt:**	
Fuel Occurrence Tp:		**Enforce Policy:**	Yes
Fuel Type:		**Public Relation:**	
Tank Status:	RC Established	**Pipeline System:**	
Task No:	4547321	**Depth:**	
Spills Action Centre:		**Pipe Material:**	
Method Details:	E-mail	**PSIG:**	
Fuel Category:	Natural Gas	**Attribute Category:**	FS-Perform P-line Inc Invest
Date of Occurrence:		**Regualtor Location:**	
Occurrence Start Date:	2013/07/16		
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:	139 PARK ST N, HAMILTON - PIPELINE HIT - 1 ¼"		
Reported By:	Vince Downey - Union Gas		
Affiliation:			
Occurrence Desc:			
Damage Reason:	No notification made to the one call center		
Notes:			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
127	2 of 2	SSE/253.4	94.8	Union Gas Limited 139 Park St. North Hamilton ON	SPL

Ref No:	7752-99JLGB
Contaminant Code:	35
Contaminant Name:	NATURAL GAS (METHANE)
Contaminant Quantity:	0 other - see incident description
Incident Cause:	Leak/Break
Incident Dt:	2013/07/12
Incident Reason:	Equipment Failure
Incident Summary:	TSSA FSB: 1, 1/4 " linestrike
MOE Reported Dt:	2013/07/12
Environmental Impact:	Confirmed
Nature of Impact:	Air Pollution
Receiving Medium:	
SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Sector Source Type:	Pipeline/Components
Receiving Environment:	
Incident Event:	
Site Municipality:	Hamilton

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
128	1 of 4	SW/255.1	92.7	Hamilton-Wentworth District School Board Hess Street Elementary 107 Hess Street North Hamilton ON L8R 2T1	GEN

Generator No.:	ON2658862	**PO Box No.:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Jun 2017	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:			
SIC Description:			

--Details--
Waste Code: 145 I
Waste Description: Wastes from the use of pigments, coatings and paints

Waste Code: 146 T
Waste Description: Other specified inorganic sludges, slurries or solids

---

128 ***2 of 4*** ***SW/255.1*** ***92.7*** ***Hamilton-Wentworth District School Board Hess Street Elementary 107 Hess Street North Hamilton ON L8R 2T1*** ***GEN***

Generator No.: ON2658862
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 611710
SIC Description: EDUCATIONAL SUPPORT SERVICES

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Shireen Todai
Phone No. Admin: 9055275092 Ext.2747

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

---

128 ***3 of 4*** ***SW/255.1*** ***92.7*** ***Hamilton-Wentworth District School Board Hess Street Elementary 107 Hess Street North Hamilton ON L8R 2T1*** ***GEN***

Generator No.: ON2658862
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 611710
SIC Description: EDUCATIONAL SUPPORT SERVICES

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Shireen Todai
Phone No. Admin: 9055275092 Ext.2747

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

---

128 ***4 of 4*** ***SW/255.1*** ***92.7*** ***Hamilton-Wentworth District School Board Hess Street Elementary 107 Hess Street North Hamilton ON L8R 2T1*** ***GEN***

Generator No.: ON2658862
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 611710
SIC Description: EDUCATIONAL SUPPORT SERVICES

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Shireen Todai
Phone No. Admin: 9055275092 Ext.2747

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

---

129 ***1 of 1*** ***E/255.4*** ***85.0*** ***ON*** ***WWIS***

Well ID: 7240696
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Specific Capacity:
Municipality: HAMILTON CITY (BARTON)
County: WENTWORTH
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information
-- --
Bore Hole ID: 1005330628
DP2BR:
Code OB:
Code OB Description:
Open Hole:
Date Completed: 23-OCT-14
Remarks:
Zone: 17
East 83: 591961
North 83: 4791010
UTMRC: 4
UTMRC Description: margin of error : 30 m - 100 m
Location Method: wwr
Org CS: UTM83
Elevation:
Elevrc:
Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
-- --
-- --

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130 ***1 of 1*** ***ENE/256.6*** ***87.1*** ***UNKNOWN***
STRACHAN ST. WEST/WEST OF BAY ST.
HAMILTON CITY ON ***SPL***

Ref No: 56953
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CAUSE (N.O.S.)
Incident Dt: 9/8/1991
Incident Reason: INTENTIONAL/PLANNED
Incident Summary: ROCK WOOL FOUND ON THE GROUND FROM APPROX 12 OPENED GARBAGE BAGS.
MOE Reported Dt: 9/8/1991
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND

SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 16101

---

131 ***1 of 5*** ***E/265.2*** ***86.7***

HAMILTON COMMERCIAL PRINTERS INC.
295 MacNAB STREET, NORTH
HAMILTON ON L8L 1K5

GEN

Generator No.: ON7771614
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 323119
SIC Description: OTHER PRINTING

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: SUZANNE BLUNT
Phone No. Admin: 9055701116 Ext.

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

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131 ***2 of 5*** ***E/265.2*** ***86.7***

HAMILTON COMMERCIAL PRINTERS INC.
295 MacNAB STREET, NORTH
HAMILTON ON L8L 1K5

GEN

Generator No.: ON7771614
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 323119
SIC Description: Other Printing

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

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131 ***3 of 5*** ***E/265.2*** ***86.7***

HAMILTON COMMERCIAL PRINTERS INC.
295 MacNAB STREET, NORTH
HAMILTON ON L8L 1K5

GEN

Generator No.: ON7771614
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 323119
SIC Description: Other Printing

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

---

131 ***4 of 5*** ***E/265.2*** ***86.7***

HAMILTON COMMERCIAL PRINTERS INC.
295 MacNAB STREET, NORTH

GEN

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

HAMILTON ON

Generator No.: ON7771614
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 323119
SIC Description: OTHER PRINTING

--Details--
Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

---

131 **5 of 5** **E/265.2** **86.7**

Design Print & Litho Inc.
295 MacNab St N
Hamilton ON L8L 1K5

SCT

Established: 1992
Plant Size (ft²): 3000
Employment: 5

--Details--
Description: Other Printing
SIC/NAICS Code: 323119

---

132 **1 of 1** **N/265.9** **77.2**

ON

BORE

Borehole ID: 622834
Use: Geotechnical/Geological Investigation
Drill Method:: Power auger
Easting:: 591524
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: 13.4
Township::
Lot::
Completion Date:: JAN-1963
Primary Water Use:: Not Used

Type: Borehole
Status::
UTM Zone:: 17
Northing:: 4791423
Orig. Ground Elev m:: 74.3
DEM Ground Elev m:: 76.8
Primary Name::
Concession::
Municipality:
Static Water Level:: -999.9
Sec. Water Use::

--Details--

Stratum ID: 218427312
Bottom Depth(m): 12.2
Top Depth(m): 11.2
Stratum Desc: GRAVEL. DENSE,AGE GLACIAL.

Stratum ID: 218427313
Bottom Depth(m): 13.4
Top Depth(m): 12.2
Stratum Desc: CLAY,SILT. GREEN,FIRM,AGE GLACIAL. 00170000002340000025900000349006003690 3400399008

Stratum ID: 218427307
Bottom Depth(m): 5.2
Top Depth(m): 0.0
Stratum Desc: WATER.

Stratum ID: 218427308
Bottom Depth(m): 7.1
Top Depth(m): 5.2
Stratum Desc: CLAY,SILT,ORGANIC. BROWN,VERY LOOSE, AGE POST-GLACIAL.

Stratum ID: 218427309
Bottom Depth(m): 7.9
Top Depth(m): 7.1
Stratum Desc: SAND-MEDIUM,SILT, ORGANIC.

BROWN,VERY LOOSE, AGE POST-GLACIAL.

Stratum ID: 218427310 **Top Depth(m):** 7.9
Bottom Depth(m): 10.6 **Stratum Desc:** SILT,ORGANIC,PEAT. BROWN,VERY LOOSE, AGE POST-GLACIAL.

Stratum ID: 218427311 **Top Depth(m):** 10.6
Bottom Depth(m): 11.2 **Stratum Desc:** PEAT,SILT. BLACK,LOOSE,AGE POST-GLACIAL.

---

133 **1 of 1** **NNW/266.4** **76.5** **ON** **BORE**

Borehole ID: 622828 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::**
Drill Method:: Power auger **UTM Zone::** 17
Easting:: 591434 **Northing::** 4791443
Location Accuracy:: **Orig. Ground Elev m::** 74.3
Elev. Reliability Note:: **DEM Ground Elev m::** 75.1
Total Depth m:: 17.2 **Primary Name::**
Township:: **Concession::**
Lot:: **Municipality:**
Completion Date:: JAN-1963 **Static Water Level::** -999.9
Primary Water Use:: Not Used **Sec. Water Use::**

--Details--

Stratum ID: 218427280 **Top Depth(m):** 0.0
Bottom Depth(m): 4.9 **Stratum Desc:** WATER.

Stratum ID: 218427281 **Top Depth(m):** 4.9
Bottom Depth(m): 11.6 **Stratum Desc:** SILT,ORGANIC,SANDFINE. BROWN,VERY LOOSE, AGE POST-GLACIAL.

Stratum ID: 218427282 **Top Depth(m):** 11.6
Bottom Depth(m): 12.5 **Stratum Desc:** SAND-MEDIUM,SILT. GREEN,COMPACT,BEDDED, AGE POST-GLACIAL.

Stratum ID: 218427283 **Top Depth(m):** 12.5
Bottom Depth(m): 15.7 **Stratum Desc:** SILT,ORGANIC,CLAY. GREEN,VERY LOOSE, AGE POST-GLACIAL.

Stratum ID: 218427284 **Top Depth(m):** 15.7
Bottom Depth(m): 16.8 **Stratum Desc:** PEAT,WOOD. BLACK,COMPACT, AGE POST-GLACIAL.

Stratum ID: 218427285 **Top Depth(m):** 16.8
Bottom Depth(m): 17.2 **Stratum Desc:** CLAY,SILT. BROWN,VERY SOFT,LAMINATED, AGE GLACIAL. 0016000000379012004090000051501000552021

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134 **1 of 1** **WNW/267.7** **76.9** **ON** **BORE**

Borehole ID: 622625 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::**
Drill Method:: Diamond Drill **UTM Zone::** 17
Easting:: 591094 **Northing::** 4791263
Location Accuracy:: **Orig. Ground Elev m::** 102
Elev. Reliability Note:: **DEM Ground Elev m::** 78.7
Total Depth m:: 9.4 **Primary Name::**

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Township:: **Concession::**
Lot:: **Municipality:**
Completion Date:: JUN-1963 **Static Water Level::** -999.9
Primary Water Use:: Not Used **Sec. Water Use::**

--Details--

Stratum ID: 218426428 **Top Depth(m):** 0.0
Bottom Depth(m): 1.8 **Stratum Desc:** FILL,CINDERS,ORGANICMAN-MADE,LOOSE, AGE POST-GLACIAL.

Stratum ID: 218426429 **Top Depth(m):** 1.8
Bottom Depth(m): 2.7 **Stratum Desc:** CLAY,SILT. BROWN,FIRM,UNIFORM, AGE POST-GLACIAL.

Stratum ID: 218426430 **Top Depth(m):** 2.7
Bottom Depth(m): 5.2 **Stratum Desc:** PEAT. BLACK,LOOSE,GRANULAR, AGE POST-GLACIAL.

Stratum ID: 218426431 **Top Depth(m):** 5.2
Bottom Depth(m): 7.3 **Stratum Desc:** CLAY,SILT,GRAVEL. BROWN,SOFT,UNIFORM, AGE GLACIAL.

Stratum ID: 218426432 **Top Depth(m):** 7.3
Bottom Depth(m): 9.4 **Stratum Desc:** CLAY,SILT,GRAVEL. GREEN,FIRM,UNIFORM, AGE GLACIAL.
019 0000001000060007000900080024000 8

---

135 **1 of 1** **SSE/267.8** **94.8** **Union Gas Limited**
133 Park Street North
Hamilton ON L8R 2N4 **GEN**

Generator No.: ON9369867 **PO Box No.:**
Status: **Country:**
Approval Years: 04,06 **Choice of Contact:**
Contam. Facility: **Co Admin:**
MHSW Facility: **Phone No. Admin:**
SIC Code: 221210
SIC Description: Natural Gas Distribution

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

---

136 **1 of 1** **S/268.0** **95.8** **ON** **BORE**

Borehole ID: 625910 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::**
Drill Method:: Power auger **UTM Zone::** 17
Easting:: 591474 **Northing::** 4790513
Location Accuracy:: **Orig. Ground Elev m::** 97.2
Elev. Reliability Note:: **DEM Ground Elev m::** 96.7
Total Depth m:: 12.5 **Primary Name::**
Township:: **Concession::**
Lot:: **Municipality:**
Completion Date:: AUG-1967 **Static Water Level::** .7
Primary Water Use:: Not Used **Sec. Water Use::**

--Details--
Stratum ID: 218438233 **Top Depth(m):** 0.0

Bottom Depth(m):	1.1	**Stratum Desc:**	SILT,SAND,ORGANIC. BLACK.
Stratum ID:	218438234	**Top Depth(m):**	1.1
Bottom Depth(m):	11.9	**Stratum Desc:**	SAND-FINE TO MEDIUM,SILT. COMPACT,LAYERED, AGE QUATERNARY, WATER STABLE AT 316.8 FEET.
Stratum ID:	218438235	**Top Depth(m):**	11.9
Bottom Depth(m):	12.5	**Stratum Desc:**	BEDROCK,SHALE. RED,HARD,AGE ORDOVICIAN. 000350520039030000200

---

137 **1 of 1** **NE/269.2** **80.8** **ON** **BORE**

Borehole ID:	622809	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591814	**Northing::**	4791333
Location Accuracy::		**Orig. Ground Elev m::**	77
Elev. Reliability Note::		**DEM Ground Elev m::**	79.5
Total Depth m::	10.7	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1963	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218427202	**Top Depth(m):**	0.0
Bottom Depth(m):	2.7	**Stratum Desc:**	FILL,SILT,SAND. BROWN,MAN-MADE,VERY LOOSE, AGE POST-GLACIAL.
Stratum ID:	218427203	**Top Depth(m):**	2.7
Bottom Depth(m):	5.0	**Stratum Desc:**	SILT. BROWN,VERY LOOSE,ORGANIC, AGE GLACIAL.
Stratum ID:	218427204	**Top Depth(m):**	5.0
Bottom Depth(m):	8.2	**Stratum Desc:**	CLAY,SILT. VERY SOFT,LAMINATED, AGE GLACIAL.
Stratum ID:	218427205	**Top Depth(m):**	8.2
Bottom Depth(m):	10.7	**Stratum Desc:**	CLAY,SILT. GREEN,FIRM,AGE GLACIAL. 000000030009000400165016002700 07LAMINATED

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138 **1 of 1** **SSE/269.8** **95.6** **Hamilton ON** **WWIS**

Well ID:	7203953	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:	Test Hole	**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Test Hole	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HAMILTON CITY (BARTON)	**UTM Reliability:**	
County:	WENTWORTH		

Bore Hole Information

--	--
Bore Hole ID:	1004381658
DP2BR:	
Code OB:	
Code OB Description:	

Open Hole:	
Date Completed:	03-JUN-13
Remarks:	
Zone:	17
East 83:	591649
North 83:	4790505
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1004977379
Layer:	
General Color:	
Most Common Material:	
Other Materials:	
Other Materials:	
Formation Top Depth:	
Formation End Depth:	
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1004977386
Layer:	1
Plug From:	25
Plug To:	14
Plug Depth UOM:	ft
--	--
Plug ID:	1004977387
Layer:	2
Plug From:	14
Plug To:	2
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1004977385
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1004977378
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1004977382

Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	15
Depth To:	0
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1004977383
Layer:	1
Slot:	10
Screen Top Depth:	25
Screen End Depth:	15
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2
--	--
Hole Diameter	
--	--
Hole ID:	1004977380
Diameter:	9
Depth From:	25
Depth To:	0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

139 **1 of 1** **N/270.1** **78.4** **ON** **BORE**

Borehole ID:	622830	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591504	**Northing::**	4791433
Location Accuracy::		**Orig. Ground Elev m::**	74.3
Elev. Reliability Note::		**DEM Ground Elev m::**	77.5
Total Depth m::	13.7	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1963	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218427289	**Top Depth(m):**	0.0
Bottom Depth(m):	4.9	**Stratum Desc:**	WATER.
Stratum ID:	218427290	**Top Depth(m):**	4.9
Bottom Depth(m):	8.5	**Stratum Desc:**	SAND-MEDIUM,ORGANIC.BROWN,VERY LOOSE,AGE GLACIAL.
Stratum ID:	218427291	**Top Depth(m):**	8.5
Bottom Depth(m):	10.6	**Stratum Desc:**	SILT,ORGANIC. GREEN,VERY LOOSE,AGE GLACIAL.
Stratum ID:	218427292	**Top Depth(m):**	10.6
Bottom Depth(m):	12.5	**Stratum Desc:**	SAND-MEDIUM,SILT. GREEN,LOOSE,AGE GLACIAL.
Stratum ID:	218427293	**Top Depth(m):**	12.5

Bottom Depth(m):	13.7	**Stratum Desc:**	SILT,ORGANIC,PEAT. GREEN,VERY LOOSE,AGE GLACIAL. 00162000002790000034900600410003

---

140 **1 of 1** **NNE/270.5** **75.1** **ON** **BORE**

Borehole ID:	622838	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591614	**Northing::**	4791403
Location Accuracy::		**Orig. Ground Elev m::**	74.3
Elev. Reliability Note::		**DEM Ground Elev m::**	75
Total Depth m::	6.1	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1963	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218427329	**Top Depth(m):**	0.0
Bottom Depth(m):	2.1	**Stratum Desc:**	WATER.
Stratum ID:	218427330	**Top Depth(m):**	2.1
Bottom Depth(m):	2.7	**Stratum Desc:**	SILT,SAND,ORGANIC. BROWN,VERY LOOSE,AGE GLACIAL.
Stratum ID:	218427331	**Top Depth(m):**	2.7
Bottom Depth(m):	4.9	**Stratum Desc:**	SILT,SAND-MEDIUM, SHELLS. BROWN,COMPACT,AGE GLACIAL.
Stratum ID:	218427332	**Top Depth(m):**	4.9
Bottom Depth(m):	6.1	**Stratum Desc:**	CLAY,SILT. BROWN,VERY SOFT,LAMINATED, AGE GLACIAL. 00068000000900180016 0017

---

141 **1 of 1** **SSE/272.4** **94.8** **Hamilton ON** **WWIS**

Well ID:	7139249	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:	Monitoring	**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Observation Wells	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HAMILTON CITY	**UTM Reliability:**	
County:	WENTWORTH		

Bore Hole Information

--	--
Bore Hole ID:	1002933247
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	21-DEC-09
Remarks:	
Zone:	17
East 83:	591669
North 83:	4790508
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m

Location Method:	wwr
Org CS:	UTM83
Elevation:	95.54
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	1003094188
Layer:	
General Color:	
Most Common Material:	
Other Materials:	
Other Materials:	
Formation Top Depth:	
Formation End Depth:	
Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1003094190
Layer:	1
Plug From:	0
Plug To:	2.4
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1003094195
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1003094187
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1003094192
Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	2.4
Casing Diameter:	10.2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1003094193
Layer:	1
Slot:	20

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Screen Top Depth:	2.4
Screen End Depth:	7.9
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	11.5
--	--
Hole Diameter	
--	--
Hole ID:	1003094189
Diameter:	26
Depth From:	0
Depth To:	7.9
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
142	1 of 1	E/274.9	89.8	R.M. OF HAMILTON-WENTWORTH-PT.LOT 15/C-1 MCNAB ST./BARTON ST./STUART ST HAMILTON CITY ON	CA

Certificate #:	7-0258-92-
Application Year:	92
Issue Date:	4/1/1992
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
143	1 of 19	SSE/278.2	94.8	OLCO PETROLEUM GROUP ULC ATTN LORI WARE 74 CANNON ST W HAMILTON ON L8R 2B6	EXP

Instance No:	10776197
Instance ID:	
Instance Type:	FS Liquid Fuel Tank
Description:	FS Gasoline Station - Full Serve
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	FS Liquid Fuel Tank
Expired Date:	4/7/1992

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
143	2 of 19	SSE/278.2	94.8	OLCO PETROLEUM GROUP ULC ATTN LORI WARE 74 CANNON ST W HAMILTON ON L8R 2B6	EXP

Instance No:	10776182
Instance ID:	
Instance Type:	FS Liquid Fuel Tank
Description:	FS Gasoline Station - Full Serve

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:		FS Liquid Fuel Tank			
Expired Date:		4/7/1992			

143	3 of 19	SSE/278.2	94.8	OLCO PETROLEUM GROUP ULC ATTN LORI WARE 74 CANNON ST W HAMILTON ON	EXP
Instance No:		10776191			
Instance ID:		39032			
Instance Type:		FS Piping			
Description:		FS Piping			
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:					

143	4 of 19	SSE/278.2	94.8	OLCO PETROLEUM GROUP ULC ATTN LORI WARE 74 CANNON ST W HAMILTON ON L8R 2B6	EXP
Instance No:		10776197			
Instance ID:					
Instance Type:		FS Liquid Fuel Tank			
Description:					
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:		4/7/1992			

143	5 of 19	SSE/278.2	94.8	OLCO PETROLEUM GROUP ULC ATTN LORI WARE 74 CANNON ST W HAMILTON ON	EXP
Instance No:		10776206			
Instance ID:		39180			
Instance Type:		FS Piping			
Description:		FS Piping			
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:					

143	6 of 19	SSE/278.2	94.8	OLCO PETROLEUM GROUP ULC ATTN LORI WARE 74 CANNON ST W HAMILTON ON L8R 2B6	EXP
Instance No:		9699119			
Instance ID:					
Instance Type:		FS Facility			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 11/20/1992

---

143 **7 of 19** **SSE/278.2** **94.8** **OLCO PETROLEUM GROUP ULC ATTN LORI WARE**
74 CANNON ST W
HAMILTON ON **EXP**

Instance No: 10776182
Instance ID: 37193
Instance Type: FS Liquid Fuel Tank
Description: FS Liquid Fuel Tank
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

---

143 **8 of 19** **SSE/278.2** **94.8** **Shell Canada Products**
74 Cannon Street West
Hamilton ON L8R 2B6 **GEN**

Generator No.: ON6744856
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 447190
SIC Description: 447190

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Michael Stendzis
Phone No. Admin: 9053813285 Ext.

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

143 **9 of 19** **SSE/278.2** **94.8** **Shell Canada Products**
74 Cannon Street West
Hamilton ON L8R 2B6 **GEN**

Generator No.: ON4205132
Status: Registered
Approval Years: As of Jun 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No.:
Country: Canada
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 221 L
Waste Description: Light fuels

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

143 **10 of 19** **SSE/278.2** **94.8**

Shell Canada Products
74 Cannon Street West
Hamilton ON L8R 2B6

GEN

Generator No.: ON6744856
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 447190
SIC Description: 447190

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Michael Stendzis
Phone No. Admin: 9053813285 Ext.

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

---

143 **11 of 19** **SSE/278.2** **94.8**

Shell Canada Products
74 Cannon Street West
Hamilton ON L8R 2B6

GEN

Generator No.: ON4205132
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 447110
SIC Description: 447110

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: David Chang
Phone No. Admin: 905-712-0510 Ext.

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

---

143 **12 of 19** **SSE/278.2** **94.8**

Shell Canada Products
74 Cannon Street West
Hamilton ON L8R 2B6

GEN

Generator No.: ON6744856
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 447190
SIC Description: Other Gasoline Stations

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 221
Waste Description: LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
143	13 of 19	SSE/278.2	94.8	Shell Canada Products 74 Cannon Street West Hamilton ON L8R 2B6	GEN

Generator No.: ON6744856
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 447190
SIC Description: Other Gasoline Stations

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
143	14 of 19	SSE/278.2	94.8	Shell Canada Products 74 Cannon Street West Hamilton ON L8R 2B6	GEN

Generator No.: ON6744856
Status:
Approval Years: 06,07,08
Contam. Facility:
MHSW Facility:
SIC Code: 447190
SIC Description: Other Gasoline Stations

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 221
Waste Description: LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
143	15 of 19	SSE/278.2	94.8	Shell Canada Products 74 Cannon Street West Hamilton ON L8R 2B6	GEN

Generator No.: ON6744856
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 447190
SIC Description: Other Gasoline Stations

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
143	16 of 19	SSE/278.2	94.8	Shell Canada Products 74 Cannon Street West Hamilton ON L8R 2B6	GEN

Generator No.: ON6744856
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 447190
SIC Description: Other Gasoline Stations

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
143	17 of 19	SSE/278.2	94.8	Shell Canada Products 74 Cannon Street West Hamilton ON	GEN

Generator No.: ON6744856
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 447190
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 221
Waste Description: LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
143	18 of 19	SSE/278.2	94.8	OLCO PETROLEUM GROUP INC ATTN LORI WARE 74 CANNON ST W HAMILTON ON L8R 2B6	PRT

Location ID: 5867
Type: retail
Expiry Date: 1993-10-31
Capacity (L): 45400
Licence #: 0050589001

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
143	19 of 19	SSE/278.2	94.8	OLCO OLCO SERVICE STN(OWNED BY SHELL) 74 CANNON ST. SERVICE STATION HAMILTON CITY ON	SPL

Ref No: 76236

Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	UNKNOWN
Incident Dt:	//
Incident Reason:	UNKNOWN
Incident Summary:	OLCO SERVICE STN- 1CM LI-QUID HYDROCARBONS FOUND DURING BORE HOLES TESTING
MOE Reported Dt:	9/14/1992
Environmental Impact:	CONFIRMED
Nature of Impact:	Soil contamination
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	16101

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144 | ***1 of 1*** | ***NNE/278.4*** | ***74.8*** | ***200 Harbour Front Dr Hamilton ON*** | ***SPL***

Ref No:	4466-86SSNQ
Contaminant Code:	12
Contaminant Name:	GASOLINE
Contaminant Quantity:	0 other - see incident description
Incident Cause:	Other Discharges
Incident Dt:	
Incident Reason:	
Incident Summary:	Hamilton Harbour Front: submerged vehicle, leaking gasoline
MOE Reported Dt:	6/26/2010
Environmental Impact:	Confirmed
Nature of Impact:	Surface Water Pollution
Receiving Medium:	
SAC Action Class:	Watercourse Spills
Sector Source Type:	Motor Vehicle
Receiving Environment:	
Incident Event:	
Site Municipality:	

---

145 | ***1 of 1*** | ***WNW/278.7*** | ***78.3*** | ***ON*** | ***WWIS***

Well ID:	7204911	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:		**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:		**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HAMILTON CITY	**UTM Reliability:**	
County:	WENTWORTH		

Bore Hole Information

--	--
Bore Hole ID:	1004436349
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	14-JUN-13
Remarks:	
Zone:	17
East 83:	591058
North 83:	4791187

UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
--	--

146 **1 of 1** **E/279.4** **80.4** **Hamilton ON** **WWIS**

Well ID:	7219282	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:		**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Abandoned-Other	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	HAMILTON CITY	**UTM Reliability:**	
County:	WENTWORTH		

Bore Hole Information

--	--
Bore Hole ID:	1004731943
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	20-MAR-14
Remarks:	
Zone:	17
East 83:	591985
North 83:	4791040
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	1005134443
Layer:	
General Color:	
Most Common Material:	
Other Materials:	
Other Materials:	
Formation Top Depth:	
Formation End Depth:	

Formation End Depth UOM:	ft
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	1005134449
Layer:	1
Plug From:	
Plug To:	
Plug Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	1005134448
Method Construction Code:	
Method Construction:	
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	1005134442
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	1005134446
Layer:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	1005134447
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	
--	--
Hole Diameter	
--	--
Hole ID:	1005134444
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	ft
Hole Diameter UOM:	inch
--	--
--	--

147	***1 of 1***	***NE/281.1***	***80.8***	***ON***	***BORE***

Borehole ID: 622812 ***Type:*** Borehole

Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591804	**Northing::**	4791353
Location Accuracy::		**Orig. Ground Elev m::**	76.3
Elev. Reliability Note::		**DEM Ground Elev m::**	80.1
Total Depth m::	13.1	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1963	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218427219	**Top Depth(m):**	0.0
Bottom Depth(m):	3.7	**Stratum Desc:**	FILL,SILT,SAND, GRAVEL. BROWN,MAN-MADE,VERY LOOSE, AGE POST-GLACIAL.
Stratum ID:	218427220	**Top Depth(m):**	3.7
Bottom Depth(m):	5.6	**Stratum Desc:**	PEAT,CLAY. BROWN,LOOSE,AGE POST-GLACIAL.
Stratum ID:	218427221	**Top Depth(m):**	5.6
Bottom Depth(m):	8.6	**Stratum Desc:**	CLAY,SILT. BROWN,VERY SOFT,LAMINATED, AGE GLACIAL.
Stratum ID:	218427222	**Top Depth(m):**	8.6
Bottom Depth(m):	13.1	**Stratum Desc:**	CLAY,SILT. GREEN,STIFF,AGE GLACIAL. 000000030012000600183023002830090006 3 DENSE,BE

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148 ***1 of 12*** ***SW/281.7*** ***92.9*** ***144 Queen Street North Hamilton ON L8R 2V9*** ***EHS***

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20070605007
Addit. Info Ordered::	
Report Date:	6/13/2007
Report Type:	CAN - Complete Report
Search Radius (km):	0.25

---

148 ***2 of 12*** ***SW/281.7*** ***92.9*** ***NATIONAL PAPER GOODS 144 QUEEN STREET NORTH HAMILTON ON L8N 4E1*** ***GEN***

Generator No.:	ON0129500	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	98,99,00,01	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:	2799		
SIC Description:	OTHER CONVERTED PAP.		

--Details--

Waste Code:	145
Waste Description:	PAINT/PIGMENT/COATING RESIDUES
Waste Code:	212
Waste Description:	ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 265
Waste Description: GRAPHIC ART WASTES

Waste Code: 267
Waste Description: ORGANIC ACIDS

---

148 **3 of 12** **SW/281.7** **92.9**

Frost Insulated Panel and Door Systems Inc
144 Queen St N
Hamilton ON L8R 2V9

GEN

Generator No.: ON4528102
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 238310
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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148 **4 of 12** **SW/281.7** **92.9**

NATIONAL PAPER GOODS LTD
144 QUEEN ST. N.- HESS ST.N. P.O. BOX 339
HAMILTON ON L8R 2V9

GEN

Generator No.: ON0129500
Status:
Approval Years: 89,90
Contam. Facility:
MHSW Facility:
SIC Code: 2799
SIC Description: OTHER CONVERTED PAP.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

---

148 **5 of 12** **SW/281.7** **92.9**

NATIONAL PAPER GOODS LTD ***28-042***
144 QUEEN ST. N.
HAMILTON ON L8R 2V9

GEN

Generator No.: ON0129500

PO Box No.:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Status: ***Country:***
Approval Years: 94,95 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No. Admin:***
SIC Code: 2799
SIC Description: OTHER CONVERTED PAP.

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 232
Waste Description: POLYMERIC RESINS

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148 ***6 of 12*** ***SW/281.7*** ***92.9*** ***NATIONAL PAPER GOODS*** ***GEN***
144 Queen St. N
Hamilton ON L8R 2V9

Generator No.: ON0129500 ***PO Box No.:***
Status: ***Country:***
Approval Years: 02,03,04,05,06 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No. Admin:***
SIC Code:
SIC Description:

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 261
Waste Description: PHARMACEUTICALS

Waste Code: 265
Waste Description: GRAPHIC ART WASTES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Waste Code: 267
Waste Description: ORGANIC ACIDS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

148 **7 of 12** **SW/281.7** **92.9** **Supremex Inc.** **GEN**
144 Queen St. N
Hamilton ON L8R 2V9

Generator No.:	ON0129500	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	07,08	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:	339990		
SIC Description:	All Other Miscellaneous Manufacturing		

--Details--

Waste Code:	212
Waste Description:	ALIPHATIC SOLVENTS
Waste Code:	145
Waste Description:	PAINT/PIGMENT/COATING RESIDUES
Waste Code:	146
Waste Description:	OTHER SPECIFIED INORGANICS
Waste Code:	148
Waste Description:	INORGANIC LABORATORY CHEMICALS
Waste Code:	211
Waste Description:	AROMATIC SOLVENTS
Waste Code:	213
Waste Description:	PETROLEUM DISTILLATES
Waste Code:	232
Waste Description:	POLYMERIC RESINS
Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS
Waste Code:	261
Waste Description:	PHARMACEUTICALS
Waste Code:	263
Waste Description:	ORGANIC LABORATORY CHEMICALS
Waste Code:	264
Waste Description:	PHOTOPROCESSING WASTES
Waste Code:	265
Waste Description:	GRAPHIC ART WASTES
Waste Code:	267
Waste Description:	ORGANIC ACIDS

148 **8 of 12** **SW/281.7** **92.9** **NATIONAL PAPER GOODS LTD** **GEN**
144 QUEEN ST. N. P.O. BOX 339
HAMILTON ON L8R 2V9

Generator No.:	ON0129500	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	86,87,88	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

MHSW Facility: ***Phone No. Admin:***
SIC Code: 2799
SIC Description: OTHER CONVERTED PAP.

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

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148 ***9 of 12*** ***SW/281.7*** ***92.9*** ***Frost Insulated Panel and Door Systems Inc*** ***GEN***
144 Queen St N
Hamilton ON L8R 2V9

Generator No.: ON4528102 ***PO Box No.:***
Status: ***Country:***
Approval Years: 2009 ***Choice of Contact:***
Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No. Admin:***
SIC Code: 238310
SIC Description: Drywall and Insulation Contractors

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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148 ***10 of 12*** ***SW/281.7*** ***92.9*** ***Envocorp Inc. - National Paper Goods Division*** ***SCT***
144 Queen St N
Hamilton ON L8R 2V9

Established: 1912
Plant Size (ft²): 100000
Employment: 100

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148 ***11 of 12*** ***SW/281.7*** ***92.9*** ***npg Envelope Inc.*** ***SCT***
144 Queen St N
Hamilton ON L8R 2V9

Established: 1912
Plant Size (ft²): 100000
Employment:

--Details--
Description: Stationery Product Manufacturing
SIC/NAICS Code: 322230

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148 ***12 of 12*** ***SW/281.7*** ***92.9*** ***ENVOCORP INC.*** ***SCT***
144 QUEEN ST N
HAMILTON ON L8R 2V9

Established: 1912
Plant Size (ft²): 100000
Employment: 100

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

--Details--
Description: ENVELOPES
SIC/NAICS Code: 2677

Description: Stationery Product Manufacturing
SIC/NAICS Code: 322230

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149 ***1 of 6*** ***SE/282.8*** ***92.9*** ***Hamilton-Wentworth R.C.S. School Board St.MaryElementary-209 MacNab St.N. Hamilton ON L8R 2M5*** ***GEN***

Generator No.: ON8786521
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: Elementary and Secondary Schools

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

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149 ***2 of 6*** ***SE/282.8*** ***92.9*** ***Hamilton Wentworth Catholic District School Board 209 MacNab St N Hamilton ON*** ***GEN***

Generator No.: ON5791296
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 611110
SIC Description: ELEMENTARY AND SECONDARY SCHOOLS

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 221
Waste Description: LIGHT FUELS

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149 ***3 of 6*** ***SE/282.8*** ***92.9*** ***HAMILTON-WENTWORTH R.C.S.S.B.(PCB) ST.MARY'S 209 MACNAB STREET NORTH HAMILTON ON L8R 2M5*** ***GEN***

Generator No.: ON0300921
Status:
Approval Years: 93,94
Contam. Facility:
MHSW Facility:
SIC Code: 0000
SIC Description: *** NOT DEFINED ***

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
149	4 of 6	SE/282.8	92.9	HAMILTON-WENTWORTH R.C.S. SCHOOL BOARD ST.MARY'S 209 MACNAB STREET NORTH HAMILTON ON	GEN

Generator No.: ON0300921
Status:
Approval Years: 03,04
Contam. Facility:
MHSW Facility:
SIC Code: 611690
SIC Description: All Other Schools & Instruction
PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
149	5 of 6	SE/282.8	92.9	CCSO Bread of Life Renewal 209 MacNab St N Hamilton ON L8R 2M5	SCT

Established: 1977
Plant Size (ft²):
Employment: 2

--Details--
Description: Book, Periodical and Newspaper Wholesaler-Distributors
SIC/NAICS Code: 414420

Description: Other Paper and Disposable Plastic Product Wholesaler-Distributors
SIC/NAICS Code: 418220

Description: Periodical Publishers
SIC/NAICS Code: 511120

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
149	6 of 6	SE/282.8	92.9	C.C.S.O. BREAD OF LIFE RENEWAL 209 MACNAB ST N HAMILTON ON L8R 2M5	SCT

Established: 1978
Plant Size (ft²): 0
Employment: 2

--Details--
Description: PERIODICALS: PUBLISHING, OR PUBLISHING & PRINTING
SIC/NAICS Code: 2721

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
150	1 of 1	WNW/283.6	79.0	ON	BORE

Borehole ID: 625595
Use: Geotechnical/Geological Investigation
Drill Method:: Jetting
Easting:: 591054
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: 6.2
Township::
Lot::
Completion Date:: JUL-1969
Primary Water Use:: Not Used
Type: Borehole
Status::
UTM Zone:: 17
Northing:: 4791193
Orig. Ground Elev m:: 75.3
DEM Ground Elev m:: 79.5
Primary Name::
Concession::
Municipality:
Static Water Level:: .1
Sec. Water Use::

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

--Details--

Stratum ID:	218437295	***Top Depth(m):***	0.0
Bottom Depth(m):	1.4	***Stratum Desc:***	FILL,SLAG,SILT,SAND.RED,WET.
Stratum ID:	218437296	***Top Depth(m):***	1.4
Bottom Depth(m):	6.1	***Stratum Desc:***	SAND-MEDIUM,SILT. BROWN,LOOSE,AGE QUATERNARY, WATER STABLE AT 246.8 FEET.
Stratum ID:	218437297	***Top Depth(m):***	6.1
Bottom Depth(m):	6.2	***Stratum Desc:***	SILT,CLAY. BROWN,COMPACT,LAMINATED, AGE QUATERNARY. 00000020000450400020020

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151 ***1 of 1*** ***NE/285.3*** ***83.8*** ***ON*** ***BORE***

Borehole ID:	622811	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	591854	***Northing::***	4791323
Location Accuracy::		***Orig. Ground Elev m::***	81.4
Elev. Reliability Note::		***DEM Ground Elev m::***	81.4
Total Depth m::	31.1	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	JAN-1963	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218427211	***Top Depth(m):***	0.0
Bottom Depth(m):	2.2	***Stratum Desc:***	FILL,SAND,CLAY,SILT.BROWN,MAN-MADE,LOOSE, AGE POST-GLACIAL.
Stratum ID:	218427212	***Top Depth(m):***	2.2
Bottom Depth(m):	3.7	***Stratum Desc:***	FILL,SILT,CLAY,SAND.BROWN,MAN-MADE,LOOSE, AGE POST-GLACIAL.
Stratum ID:	218427213	***Top Depth(m):***	3.7
Bottom Depth(m):	4.6	***Stratum Desc:***	SILT,SAND,GRAVEL. BROWN,LOOSE,AGE GLACIAL.
Stratum ID:	218427214	***Top Depth(m):***	4.6
Bottom Depth(m):	8.3	***Stratum Desc:***	CLAY,SILT,GRAVEL. BROWN,VERY SOFT,BEDDED, AGE GLACIAL.
Stratum ID:	218427215	***Top Depth(m):***	8.3
Bottom Depth(m):	9.2	***Stratum Desc:***	SILT,SAND. GREEN,DENSE,BEDDED, AGE GLACIAL.
Stratum ID:	218427216	***Top Depth(m):***	9.2
Bottom Depth(m):	10.7	***Stratum Desc:***	CLAY,SILT. GREEN,STIFF,BEDDED, AGE GLACIAL.
Stratum ID:	218427217	***Top Depth(m):***	10.7
Bottom Depth(m):	30.5	***Stratum Desc:***	CLAY,SILT. GREEN,BEDDED,AGE GLACIAL.
Stratum ID:	218427218	***Top Depth(m):***	30.5
Bottom Depth(m):	31.1	***Stratum Desc:***	CLAY,SILT. GREEN,LAMINATED,AGE GLACIAL. 00000007000720050012200700152028002720350030201201000124

152 **1 of 1** **NE/285.6** **85.0** **ON** **BORE**

Borehole ID:	625599	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	591884	**Northing::**	4791293
Location Accuracy::		**Orig. Ground Elev m::**	83.8
Elev. Reliability Note::		**DEM Ground Elev m::**	84
Total Depth m::	34.6	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	FEB-1970	**Static Water Level::**	.6
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218437313	**Top Depth(m):**	33.8
Bottom Depth(m):	34.6	**Stratum Desc:**	TILL,SILT,CLAY, GRAVEL. BROWN,VERY DENSE, AGE QUATERNARY. 012 022 030
Stratum ID:	218437308	**Top Depth(m):**	0.0
Bottom Depth(m):	0.4	**Stratum Desc:**	SOIL.
Stratum ID:	218437309	**Top Depth(m):**	0.4
Bottom Depth(m):	7.9	**Stratum Desc:**	FILL-MEDIUM,SAND, ORGANIC,BRICK. BROWN,LOOSE.
Stratum ID:	218437310	**Top Depth(m):**	7.9
Bottom Depth(m):	9.0	**Stratum Desc:**	SILT,ORGANIC. GREEN,LOOSE, WATER STABLE AT 272.7 FEET.
Stratum ID:	218437311	**Top Depth(m):**	9.0
Bottom Depth(m):	29.3	**Stratum Desc:**	CLAY,SILT,GRAVEL. GREEN,MOIST,AGE QUATERNARY.
Stratum ID:	218437312	**Top Depth(m):**	29.3
Bottom Depth(m):	33.8	**Stratum Desc:**	TILL,CLAY,SILT, GRAVEL. GREEN,HARD,AGE QUATERNARY.

153 **1 of 1** **SSW/285.9** **94.3** **ON** **WWIS**

Well ID:	7048364	**Lot:**	
Construction Date:		**Concession:**	
Primary Water Use:		**Concession Name:**	
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Observation Wells	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	MILTON TOWN (ESQUESING)	**UTM Reliability:**	
County:	HALTON		

Bore Hole Information

--	--
Bore Hole ID:	23048364
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	17-JUL-07
Remarks:	
Zone:	17

East 83:	591381
North 83:	4790511
UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	96.77
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	30148364
Layer:	1
General Color:	BROWN
Most Common Material:	FILL
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	.9
Formation End Depth UOM:	m
--	--
Formation ID:	30248364
Layer:	2
General Color:	BROWN
Most Common Material:	SILT
Other Materials:	CLAY
Other Materials:	
Formation Top Depth:	.9
Formation End Depth:	3.6
Formation End Depth UOM:	m
--	--
Annular Space/Abandonment Sealing Record	
--	--
Plug ID:	44003818
Layer:	1
Plug From:	0
Plug To:	1.2
Plug Depth UOM:	m
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	25948364
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	29048364
Casing Number:	0
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	42148364

Layer:	1
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	1.2
Casing Diameter:	5.1
Casing Diameter UOM:	cm
Casing Depth UOM:	m
--	--
--	--
Construction Record - Screen	
--	--
Screen ID:	43148364
Layer:	1
Slot:	20
Screen Top Depth:	1.2
Screen End Depth:	3.6
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.4
--	--
Water Details	
--	--
Water ID:	41148364
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	19
Water Found Depth UOM:	m
--	--
Hole Diameter	
--	--
Hole ID:	46002689
Diameter:	15
Depth From:	0
Depth To:	3.6
Hole Depth UOM:	m
Hole Diameter UOM:	cm
--	--
--	--

154 **1 of 1** **NE/286.1** **78.3** **ON** **BORE**

Borehole ID:	621984	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	591774	**Northing::**	4791373
Location Accuracy::		**Orig. Ground Elev m::**	77.5
Elev. Reliability Note::		**DEM Ground Elev m::**	77.9
Total Depth m::	10.2	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JUN-1962	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218423597	**Top Depth(m):**	0.0
Bottom Depth(m):	2.4	**Stratum Desc:**	FILL,CINDERS,SAND. GREEN,MAN-MADE,LOOSE, AGE POST-GLACIAL.
Stratum ID:	218423598	**Top Depth(m):**	2.4
Bottom Depth(m):	2.7	**Stratum Desc:**	SILT,ORGANIC. BLACK,LAYERED,AGE GLACIAL.

Stratum ID:	218423599	**Top Depth(m):**	2.7
Bottom Depth(m):	3.7	**Stratum Desc:**	SILT,CLAY. BROWN,SOFT,GRANULAR, AGE GLACIAL.
Stratum ID:	218423600	**Top Depth(m):**	3.7
Bottom Depth(m):	4.6	**Stratum Desc:**	SAND-MEDIUM TO COARSE,SILT. BROWN,COMPACT,GRANULAR, AGE GLACIAL.
Stratum ID:	218423601	**Top Depth(m):**	4.6
Bottom Depth(m):	4.8	**Stratum Desc:**	CLAY,SILT. BROWN,FIRM,UNIFORM, AGE GLACIAL.
Stratum ID:	218423602	**Top Depth(m):**	4.8
Bottom Depth(m):	6.1	**Stratum Desc:**	SAND-MEDIUM,SILT. COMPACT,LAYERED,AGE GLACIAL.
Stratum ID:	218423603	**Top Depth(m):**	6.1
Bottom Depth(m):	7.7	**Stratum Desc:**	CLAY,SILT. BROWN,FIRM,UNIFORM, AGE GLACIAL.
Stratum ID:	218423604	**Top Depth(m):**	7.7
Bottom Depth(m):	10.2	**Stratum Desc:**	CLAY,SILT. GREEN,SOFT,UNIFORM, AGE GLACIAL. 018 019025036 020 023

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155 **1 of 2** **NE/286.1** **82.2** **ON** **BORE**

Borehole ID:	622808	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591814	**Northing::**	4791353
Location Accuracy::		**Orig. Ground Elev m::**	77.3
Elev. Reliability Note::		**DEM Ground Elev m::**	80.4
Total Depth m::	33.3	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1963	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218427194	**Top Depth(m):**	0.0
Bottom Depth(m):	3.2	**Stratum Desc:**	FILL,SILT,SAND MEDIUM. BROWN,MAN-MADE,COMPACT, AGE POST-GLACIAL.
Stratum ID:	218427195	**Top Depth(m):**	3.2
Bottom Depth(m):	5.0	**Stratum Desc:**	SAND,SILT-MEDIUM. BROWN,COMPACT, AGE POST-GLACIAL.
Stratum ID:	218427196	**Top Depth(m):**	5.0
Bottom Depth(m):	5.3	**Stratum Desc:**	PEAT,SILT. BROWN,LOOSE,AGE POST-GLACIAL.
Stratum ID:	218427197	**Top Depth(m):**	5.3
Bottom Depth(m):	5.9	**Stratum Desc:**	CLAY,SILT. GREEN,SOFT,AGE GLACIAL.
Stratum ID:	218427198	**Top Depth(m):**	5.9
Bottom Depth(m):	9.0	**Stratum Desc:**	CLAY,SILT. BROWN,VERY SOFT,LAMINATED, AGE GLACIAL.
Stratum ID:	218427199	**Top Depth(m):**	9.0
Bottom Depth(m):	29.7	**Stratum Desc:**	CLAY,SILT,GRAVEL. GREEN,FIRM,AGE

GLACIAL.

Stratum ID: 218427200 **Top Depth(m):** 29.7
Bottom Depth(m): 32.8 **Stratum Desc:** SILT,CLAY. GREEN,VERY DENSE,LAMINATED, AGE GLACIAL.

Stratum ID: 218427201 **Top Depth(m):** 32.8
Bottom Depth(m): 33.3 **Stratum Desc:** SILT,SAND. BROWN,VERY DENSE,AGE GLACIAL.
0000001300105022001650060017500400195015002950080097508 2

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155 ***2 of 2*** ***NE/286.1*** ***82.2*** ***ON*** **BORE**

Borehole ID: 625604 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::**
Drill Method:: Jetting **UTM Zone::** 17
Easting:: 591814 **Northing::** 4791353
Location Accuracy:: **Orig. Ground Elev m::** 79.2
Elev. Reliability Note:: **DEM Ground Elev m::** 80.4
Total Depth m:: 5.2 **Primary Name::**
Township:: **Concession::**
Lot:: **Municipality:**
Completion Date:: FEB-1970 **Static Water Level::** .3
Primary Water Use:: Not Used **Sec. Water Use::**

--Details--

Stratum ID: 218437329 **Top Depth(m):** 0.0
Bottom Depth(m): 0.3 **Stratum Desc:** SOIL.

Stratum ID: 218437330 **Top Depth(m):** 0.3
Bottom Depth(m): 4.7 **Stratum Desc:** FILL,SILT,SAND, CINDERS. BROWN,LOOSE, WATER STABLE AT 259.0 FEET.

Stratum ID: 218437331 **Top Depth(m):** 4.7
Bottom Depth(m): 5.2 **Stratum Desc:** SILT,SAND. BROWN,LAMINATED, AGE QUATERNARY. 020 018 0001000500153010

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156 ***1 of 1*** ***NNE/286.5*** ***74.8*** ***ON*** **BORE**

Borehole ID: 622840 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::**
Drill Method:: Power auger **UTM Zone::** 17
Easting:: 591674 **Northing::** 4791403
Location Accuracy:: **Orig. Ground Elev m::** 74.3
Elev. Reliability Note:: **DEM Ground Elev m::** 75.2
Total Depth m:: 6.7 **Primary Name::**
Township:: **Concession::**
Lot:: **Municipality:**
Completion Date:: JAN-1963 **Static Water Level::** -999.9
Primary Water Use:: Not Used **Sec. Water Use::**

--Details--

Stratum ID: 218427338 **Top Depth(m):** 0.0
Bottom Depth(m): 1.5 **Stratum Desc:** WATER.

Stratum ID: 218427339 **Top Depth(m):** 1.5
Bottom Depth(m): 3.1 **Stratum Desc:** SILT,SAND,SHELLS. GREEN,LOOSE,AGE

GLACIAL.

Stratum ID: 218427340 **Top Depth(m):** 3.1
Bottom Depth(m): 3.9 **Stratum Desc:** SILT. BROWN,COMPACT,AGE GLACIAL.

Stratum ID: 218427341 **Top Depth(m):** 3.9
Bottom Depth(m): 5.5 **Stratum Desc:** CLAY,SILT. BROWN,VERY SOFT,LAMINATED, AGE GLACIAL.

Stratum ID: 218427342 **Top Depth(m):** 5.5
Bottom Depth(m): 6.7 **Stratum Desc:** CLAY,SILT. GREEN,STIFF,LAMINATED, AGE GLACIAL.
00050004001020180012901900179008

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157 ***1 of 1*** ***W/287.1*** ***95.9*** ***ON*** ***BORE***

Borehole ID: 621877 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::**
Drill Method:: Power auger **UTM Zone::** 17
Easting:: 591034 **Northing::** 4791043
Location Accuracy:: **Orig. Ground Elev m::** 86.6
Elev. Reliability Note:: **DEM Ground Elev m::** 96.4
Total Depth m:: 14.2 **Primary Name::**
Township:: **Concession::**
Lot:: **Municipality:**
Completion Date:: MAR-1963 **Static Water Level::** -999.9
Primary Water Use:: Not Used **Sec. Water Use::**

--Details--

Stratum ID: 218423025 **Top Depth(m):** 0.0
Bottom Depth(m): 2.4 **Stratum Desc:** FILL,SAND. BROWN,MAN-MADE, AGE POST-GLACIAL.

Stratum ID: 218423026 **Top Depth(m):** 2.4
Bottom Depth(m): 3.4 **Stratum Desc:** SAND-FINE TO MEDIUM.BROWN,LACUSTRINE,AGE GLACIAL.

Stratum ID: 218423027 **Top Depth(m):** 3.4
Bottom Depth(m): 6.7 **Stratum Desc:** SILT,SAND-MEDIUM. BROWN,LACUSTRINE,DENSE, UNIFORM,AGE GLACIAL.

Stratum ID: 218423028 **Top Depth(m):** 6.7
Bottom Depth(m): 8.0 **Stratum Desc:** SILT,CLAY,SAND MEDIUM. BROWN,LACUSTRINE,COMPACT, UNIFORM,AGE GLACIAL.

Stratum ID: 218423029 **Top Depth(m):** 8.0
Bottom Depth(m): 11.9 **Stratum Desc:** SAND-MEDIUM,SILT. BROWN,LACUSTRINE,COMPACT, UNIFORM,AGE GLACIAL.

Stratum ID: 218423030 **Top Depth(m):** 11.9
Bottom Depth(m): 12.6 **Stratum Desc:** SILT,CLAY. BROWN,LACUSTRINE,COMPACT, UNIFORM,AGE GLACIAL.

Stratum ID: 218423031 **Top Depth(m):** 12.6
Bottom Depth(m): 14.2 **Stratum Desc:** SAND-MEDIUM,SILT. BROWN,LACUSTRINE,COMPACT, UNIFORM,AGE GLACIAL. 016 024

158 **1 of 1** **N/287.8** **77.9** **ON** **BORE**

Borehole ID:	622833	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591534	**Northing::**	4791443
Location Accuracy::		**Orig. Ground Elev m::**	74.3
Elev. Reliability Note::		**DEM Ground Elev m::**	79.9
Total Depth m::	15.2	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1963	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218427301	**Top Depth(m):**	0.0
Bottom Depth(m):	5.2	**Stratum Desc:**	WATER.
Stratum ID:	218427302	**Top Depth(m):**	5.2
Bottom Depth(m):	8.8	**Stratum Desc:**	SILT,ORGANIC,SANDMEDIUM. BROWN,VERY LOOSE, AGE POST-GLACIAL.
Stratum ID:	218427303	**Top Depth(m):**	8.8
Bottom Depth(m):	12.2	**Stratum Desc:**	SILT,SAND-MEDIUM, PEAT. BROWN,LOOSE,AGE POST-GLACIAL.
Stratum ID:	218427304	**Top Depth(m):**	12.2
Bottom Depth(m):	13.7	**Stratum Desc:**	PEAT,SILT,SAND MEDIUM. BROWN,LOOSE,AGE GLACIAL.
Stratum ID:	218427305	**Top Depth(m):**	13.7
Bottom Depth(m):	14.6	**Stratum Desc:**	SILT,PEAT,ORGANIC. BROWN,LOOSE,AGE GLACIAL.
Stratum ID:	218427306	**Top Depth(m):**	14.6
Bottom Depth(m):	15.2	**Stratum Desc:**	GRAVEL,SAND,SILT. VERY DENSE,AGE GLACIAL. 00170000002890050039900600449008004800 80

159 **1 of 1** **N/288.4** **78.4** **ON** **BORE**

Borehole ID:	622827	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591454	**Northing::**	4791463
Location Accuracy::		**Orig. Ground Elev m::**	74.3
Elev. Reliability Note::		**DEM Ground Elev m::**	79.3
Total Depth m::	16.2	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1963	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218427276	**Top Depth(m):**	0.0
Bottom Depth(m):	4.4	**Stratum Desc:**	WATER.
Stratum ID:	218427277	**Top Depth(m):**	4.4

Bottom Depth(m):	8.2	**Stratum Desc:**	SAND-MEDIUM,SILT, ORGANIC. GREEN,VERY LOOSE, AGE POST-GLACIAL.
Stratum ID:	218427278	**Top Depth(m):**	8.2
Bottom Depth(m):	13.1	**Stratum Desc:**	SILT,ORGANIC,SHELLS.GREEN,VERY LOOSE, AGE POST-GLACIAL.
Stratum ID:	218427279	**Top Depth(m):**	13.1
Bottom Depth(m):	16.2	**Stratum Desc:**	CLAY,SILT. GREEN,VERY SOFT,LAMINATED, AGE POST-GLACIAL. 00143001002690030043003 5AL.

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160 **1 of 1** **N/291.7** **79.8** **ON** **BORE**

Borehole ID:	622826	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	591474	**Northing::**	4791463
Location Accuracy::		**Orig. Ground Elev m::**	74.3
Elev. Reliability Note::		**DEM Ground Elev m::**	80.3
Total Depth m::	19.4	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	JAN-1963	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218427269	**Top Depth(m):**	0.0
Bottom Depth(m):	4.3	**Stratum Desc:**	WATER.
Stratum ID:	218427270	**Top Depth(m):**	4.3
Bottom Depth(m):	7.3	**Stratum Desc:**	SAND-FINE TO MEDIUM,SILT. GREEN,LOOSE,AGE POST-GLACIAL.
Stratum ID:	218427271	**Top Depth(m):**	7.3
Bottom Depth(m):	8.5	**Stratum Desc:**	SILT,PEAT,SAND. GREEN,VERY LOOSE, AGE POST-GLACIAL.
Stratum ID:	218427272	**Top Depth(m):**	8.5
Bottom Depth(m):	11.9	**Stratum Desc:**	SAND,SILT. GREEN,VERY LOOSE, AGE POST-GLACIAL.
Stratum ID:	218427273	**Top Depth(m):**	11.9
Bottom Depth(m):	16.6	**Stratum Desc:**	SILT,ORGANIC. GREEN,VERY LOOSE, AGE POST-GLACIAL.
Stratum ID:	218427274	**Top Depth(m):**	16.6
Bottom Depth(m):	19.1	**Stratum Desc:**	SILT,CLAY,ORGANIC. BROWN,COMPACT,BEDDED, AGE POST-GLACIAL.
Stratum ID:	218427275	**Top Depth(m):**	19.1
Bottom Depth(m):	19.4	**Stratum Desc:**	CLAY,PEAT,ORGANIC. GREEN,HARD,AGE POST-GLACIAL. 00140005002400030027900100389003005440 1400626041

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161 **1 of 1** **N/299.2** **79.9** **ON** **BORE**

Borehole ID:	622825	**Type:**	Borehole

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Power auger	***UTM Zone::***	17
Easting::	591504	***Northing::***	4791463
Location Accuracy::		***Orig. Ground Elev m::***	74.3
Elev. Reliability Note::		***DEM Ground Elev m::***	80.8
Total Depth m::	9.4	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	JAN-1963	***Static Water Level::***	-999.9
Primary Water Use::	Not Used	***Sec. Water Use::***	

--Details--

Stratum ID:	218427267	***Top Depth(m):***	7.9
Bottom Depth(m):	9.1	***Stratum Desc:***	PEAT. BROWN,LOOSE,AGE POST-GLACIAL.
Stratum ID:	218427268	***Top Depth(m):***	9.1
Bottom Depth(m):	9.4	***Stratum Desc:***	SILT,CLAY,ORGANIC. GREEN,COMPACT,AGE GLACIAL. 00160000002000000025900800300012
Stratum ID:	218427264	***Top Depth(m):***	0.0
Bottom Depth(m):	4.9	***Stratum Desc:***	WATER.
Stratum ID:	218427265	***Top Depth(m):***	4.9
Bottom Depth(m):	6.1	***Stratum Desc:***	CLAY,ORGANIC. BROWN,VERY SOFT,BEDDED, AGE POST-GLACIAL.
Stratum ID:	218427266	***Top Depth(m):***	6.1
Bottom Depth(m):	7.9	***Stratum Desc:***	SILT,PEAT. GREEN,VERY LOOSE, AGE POST-GLACIAL.

162	***1 of 1***	***SE/299.9***	***91.7***	***R.M. OF HAMILTON-WENTWORTH MCNAB ST./COLBOURNE ST. HAMILTON CITY ON***	***CA***

Certificate #:	3-0292-92-
Application Year:	92
Issue Date:	4/1/1992
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Unplottable Summary

Total: 54 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	R.M. OF HAMILTON-WENTWORTH-PT.LOTS 15-17	STRACHAN ST./CONC. 1, BARTON	HAMILTON CITY ON	
CA	R. M. OF HAMILTON-WENTWORTH	BARTON STREET	HAMILTON CITY ON	
CA	R.M. OF HAMILTON-WENTWORTH	BARTON STREET	HAMILTON CITY ON	
CA	R.M. OF HAMILTON-WENTWORTH	RAY STREET	HAMILTON CITY ON	
CA	R.M. OF HAMILTON-WENTWORTH CANNON ST.	CANNON ST.	HAMILTON CITY ON	
CA	R.M. OF HAMILTON-WENTWORTH	MacNAB ST.	HAMILTON CITY ON	
CA	R.M. OF HAMILTON-WENTWORTH	MACNAB ST.	HAMILTON CITY ON	
CA	R.M. OF HAMILTON-WENTWORTH	HESS STREET	HAMILTON CITY ON	
CA	R.M. OF HAMILTON-WENTWORTH	CAROLINE ST. PH. 3	HAMILTON CITY ON	
CA	R.M. OF HAMILTON-WENTWORTH	CAROLINE ST. PH. 3	HAMILTON CITY ON	
CA	CITY	BARTON ST.	HAMILTON CITY ON	
CA	City of Hamilton	Western limit of Strachan Street	Hamilton ON	
CA	R. M. OF HAMILTON-WENTWORTH	CANNON STREET	HAMILTON CITY ON	
CA	R.M. OF HAMILTON-WENTWORTH	YORK BLVD.	HAMILTON CITY ON	
CA	Hamilton-Wentworth District School Board		Hamilton ON	
CA	R.M. OF HAMILTON-WENTWORTH	BARTON STREET	HAMILTON CITY ON	

CA	R.M. OF HAMILTON-WENTWORTH	BARTON STREET	HAMILTON CITY ON	
CA	Hamilton Hydro Inc.	Lot 16, Concession 2	Hamilton ON	
CA	R.M. OF HAMILTON-WENTWORTH BARTON ST.	BARTON ST. PH. 3	HAMILTON CITY ON	
CA	R.M. OF HAMILTON-WENTWORTH	EASEMENT ON LOT 166/CHRISTOPHE	HAMILTON CITY ON	
COAL	Currie Products Ltd.	East side of Caroline St. between Mulberry and Sheaffe Sts.	Hamilton ON	
CONV	Hamilton-Wentworth District School Board		Hamilton ON	
EBR	Hamilton Hydro Electric System Inc.	Lot 16, Concession 2	HAMILTON ON	
EBR	Canadian National Railway Company		Hamilton ON	
ECA	City of Hamilton	Barton St W	Hamilton ON	L8R 2K3
ECA	Hamilton-Wentworth Catholic District School Board	Barton St	Hamilton ON	L8N 3R9
EHS		York Blvd from Hess St N to John St. N	Hamilton ON	
GEN	Enbridge Pipelines Inc.	PT Lot 16, Concession 2	Township of Hamilton ON	Unknown
GEN	Enbridge Pipelines Inc.	PT Lot 16, Concession 2	Township of Hamilton ON	K8P 4V2
GEN	HAMILTON, CITY OF	FORMER LAX PROPERTY(BAY STREET N.) C/O 71 MAIN STREET	HAMILTON ON	L8P 1H4
GEN	HAMILTON, CITY OF	FORMER LAX PROPERTY(BAY STREET N.)	HAMILTON ON	L8P 1H4
GEN	HAMILTON, CITY OF 19-153	FORMER LAX PROPERTY(BAY STREET N.) C/O 71 MAIN STREET	HAMILTON ON	L8P 1H4
GEN	The Royal Hamilton Yacht Club	Foot of MacNab St North	Hamilton ON	
GEN	TRABUR PAINTING LIMITED	DURDURN CASTLE YORK BLVD.	HAMILTON ON	
GEN	TRABUR PAINTING LIMITED	DURDURN CASTLE YORK BOULEVARD	HAMILTON ON	
LIMO	Archie McCoy (Hamilton) Limited	Lot 17-18, Concession 2	City of Hamilton ON	
NPCB	CITY OF HAMILTON (WAS REG. MUNC.HAMILTON WENTWORTH	STRACHAN ST SH3 SEWAGE PUMP STATION	HAMILTON ON	
NPCB	REGIONAL MUNC. OF HAMILTON WENTWORTH	SH3 SEWAGE PUMP STATION; STRACHAN STREET	HAMILTON ON	

PRT	NEIL OCONNELL	LOT 15 CON 1	HAMILTON TWP ON	L9C 3B5
RSC		Pt of Former Train Stn, Site #2, CNREM PIN 40801	Hamilton ON	
RST	FUELS	CALL FUELS	HAMILTON ON	
SPL	CANADIAN NATIONAL RAILWAY		HAMILTON CITY ON	
SPL	PHILIP ENTERPRISES	CHAMPS GAS BAR & CAR WASH BARTON STREET HAMILTON WASTE DISPOSAL SITE.	HAMILTON CITY ON	
SPL	GRANGER FUELS LTD.	DOFASCO TANK TRUCK (CARGO)	HAMILTON CITY ON	
SPL	CANADIAN NATIONAL RAILWAY	CN TRACK TRAIN	HAMILTON CITY ON	
SPL	Bell Canada <UNOFFICIAL>	Former township of Barton BETWEEN WARWICK & DEER LAKE<UNOFFICIAL>	Hamilton ON	
SPL	PHILIP UTILITIES MANAGEMENT CO	RENWOOD PARK PUMP STATION ON MILL ST NEAR RAIL LINE IN WATERDOWN. SEWAGE LIFT/PUMPING STATION.	HAMILTON CITY ON	
SPL	CANADIAN NATIONAL RAILWAY	IN BALLAST BETWEEN TRACKS ON THE WEST END OF THE YARD. HAMILTON YARD	HAMILTON CITY ON	
SPL	CANADIAN NATIONAL RAILWAY	CN DIESEL SHOP STORAGE TANKS	HAMILTON CITY ON	
SPL	PROVMAR FUELS		HAMILTON CITY ON	
SPL	CANADIAN NATIONAL RAILWAY	CN YARD, TRACK 24. MAIN STORAGE YARD. TRAIN	HAMILTON CITY ON	
SPL	PROVMAR FUELS INC.	TANK TRUCK (CARGO)	HAMILTON CITY ON	
SPL	G. Mason Construction Limited	100 metres along Barton Road, from the intersection of Fruitland Road, Fruitland	Hamilton ON	
SPL	PRIVATE OWNER	CANNON STREET MOTOR VEHICLE (OPERATING FLUID)	HAMILTON CITY ON	

Unplottable Report

Site: ***R.M. OF HAMILTON-WENTWORTH-PT.LOTS 15-17 STRACHAN ST./CONC. 1, BARTON HAMILTON CITY ON***

Database: ***CA***

Certificate #:	3-0196-92-
Application Year:	92
Issue Date:	3/17/1992
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Site: ***R. M. OF HAMILTON-WENTWORTH BARTON STREET HAMILTON CITY ON***

Database: ***CA***

Certificate #:	7-0396-86-
Application Year:	86
Issue Date:	5/9/1986
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Site: ***R.M. OF HAMILTON-WENTWORTH BARTON STREET HAMILTON CITY ON***

Database: ***CA***

Certificate #:	3-1006-86-
Application Year:	86
Issue Date:	7/28/1986
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Site: ***R.M. OF HAMILTON-WENTWORTH RAY STREET HAMILTON CITY ON***

Database: ***CA***

Certificate #:	3-0740-86-

Application Year: 86
Issue Date: 6/13/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF HAMILTON-WENTWORTH CANNON ST. CANNON ST. HAMILTON CITY ON***

Database: ***CA***

Certificate #: 3-0877-88-
Application Year: 88
Issue Date: 7/8/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF HAMILTON-WENTWORTH MacNAB ST. HAMILTON CITY ON***

Database: ***CA***

Certificate #: 7-0615-86-
Application Year: 86
Issue Date: 6/19/1986
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF HAMILTON-WENTWORTH MACNAB ST. HAMILTON CITY ON***

Database: ***CA***

Certificate #: 7-1292-87-
Application Year: 87
Issue Date: 8/31/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF HAMILTON-WENTWORTH***
HESS STREET HAMILTON CITY ON

Database: ***CA***

Certificate #: 3-0615-86-
Application Year: 86
Issue Date: 6/4/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF HAMILTON-WENTWORTH***
CAROLINE ST. PH. 3 HAMILTON CITY ON

Database: ***CA***

Certificate #: 7-1025-89-
Application Year: 89
Issue Date: 6/28/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF HAMILTON-WENTWORTH***
CAROLINE ST. PH. 3 HAMILTON CITY ON

Database: ***CA***

Certificate #: 3-1214-89-
Application Year: 89
Issue Date: 6/28/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***CITY***
BARTON ST. HAMILTON CITY ON

Database: ***CA***

Certificate #: 7-0201-85-006
Application Year: 85
Issue Date: 4/15/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::

Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***City of Hamilton***
Western limit of Strachan Street Hamilton ON

Database: ***CA***

Certificate #: 0706-5UHHVC
Application Year: 2004
Issue Date: 2/4/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R. M. OF HAMILTON-WENTWORTH***
CANNON STREET HAMILTON CITY ON

Database: ***CA***

Certificate #: 7-0858-88-
Application Year: 88
Issue Date: 6/21/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF HAMILTON-WENTWORTH***
YORK BLVD. HAMILTON CITY ON

Database: ***CA***

Certificate #: 3-1567-87-
Application Year: 87
Issue Date: 9/9/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***Hamilton-Wentworth District School Board***
Hamilton ON

Database: ***CA***

Certificate #: 3671-6UALE2
Application Year: 2006

Issue Date: 10/5/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF HAMILTON-WENTWORTH***
BARTON STREET HAMILTON CITY ON

Database: ***CA***

Certificate #: 7-1142-88-
Application Year: 88
Issue Date: 8/5/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF HAMILTON-WENTWORTH***
BARTON STREET HAMILTON CITY ON

Database: ***CA***

Certificate #: 3-0653-88-
Application Year: 88
Issue Date: 5/13/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***Hamilton Hydro Inc.***
Lot 16, Concession 2 Hamilton ON

Database: ***CA***

Certificate #: 6706-5EHSFK
Application Year: 2002
Issue Date: 10/21/2002
Approval Type: Air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF HAMILTON-WENTWORTH BARTON ST.***
BARTON ST. PH. 3 HAMILTON CITY ON

Database: ***CA***

Certificate #:	7-0756-88-
Application Year:	88
Issue Date:	6/14/1988
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Site: ***R.M. OF HAMILTON-WENTWORTH***
EASEMENT ON LOT 166/CHRISTOPHE HAMILTON CITY ON

Database: ***CA***

Certificate #:	3-0486-90-
Application Year:	90
Issue Date:	4/4/1990
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Site: ***Currie Products Ltd.***
East side of Caroline St. between Mulberry and Sheaffe Sts. Hamilton ON

Database: ***COAL***

Facility Type:	Coal tar distillation plant and roofing felt manufacturing
Size:	1.3 hectare
NTS Map Sheet:	30 M/5
Planned Land Use:	same as present
Present Land Use:	public use; City of Hamilton Park
Landuse Adj Property:	North - industrial (warehouses); east - city works yard; south - residential/parkland; west - parkland
Underground Utilities:	Combined sewer, watermain and gas along old alignment of Caroline, Mulberry Sts and Sheaffe (now centre of park)
Soil Conditions:	Unknown, 0.6 m of soil removed from site during plant demolition (1979)
Site Access:	uncontrolled
Operating Period:	1901-1977 (76 years)
Surface Water:	Hamilton Harbour (Lake Ontario)
Surface Water Prox:	600 m north
Surface Water Use:	Industrial
Groundwater Prox:	Unknown
Groundwater Use:	None reported
Existing Wells Prox:	None reported
Historical Map/Photo:	1927 fire insurance plan (Public Archives Canada, NMC Hamilton, sheet 118); 1933 fire insurance plan (Public Archives Canada NMC Hamilton, sheet 118); 1947 fire insurance plan (Public Archives Canada, NMC 9880, sheet 118); 1964 fire insurance plan (Public Archives Canada, Hamilton, sheet 118); 1969 air photo (NAPL A19504-40)
Operators:	Hamilton Tar Products Co. Ltd. (1901-1910); Dominion Tar and Ammonia (1910-1914); Hamilton Tar and Distilling Co. (1914-1917); Hamilton Tar and Ammonia Co. (1919-1924); Hamilton Tar Products (1925-1929); Currie Products Ltd. (1929-1977)
Present Occupants:	City of Hamilton Park, baseball diamond, tennis courts, playground
Excavation History:	All soils in area of buildings and storage tanks/surface and underground removed to depth of 0.6 m during City of Hamilton demolition of property in 1979/80
Visible Wastes:	None observed or reported
Odour:	Odours difficult to detect because of odours associated with operating steel works

Water Pollution: None observed or reported
Site Investigations: Unknown
Comments/Remarks: Currie Products Ltd sold site as is to City; City of Hamilton demolished the site (contract no. CCH-79-1 (D)) in 1979/80. All tar tank contents were to have been disposed in compliance with MOE regulations. 150,000 gal of liquid and semi-liquid tar waste estimated to be removed from site as part of demolition.
Site Description: This site was one of the first coal tar distillation plants in Ontario and operated under several owners from about 1901 to 1917. Currie Products operated the site from 1929 to closure in 1977. The site was located on the east side of Caroline St. between Mulberry and Sheaffe Sts. and originally processed coal tar from the Hamilton city gas works located at Mulberry and Bay Sts. In later years this site processed coke oven tars from the Hamilton By-Product Coke Ovens and Stelco. Products manufactured in 1919 included creosote oils, pitch, naptha, naphthalene, tarred paper and roofing felt. Products listed in 1967 included creosote, disinfectants, oils, paints, pitch, road tar, refined tar and wood preservatives. This site was sold to the City of Hamilton in the late 1970s and the city demolished the site in 1979/80. The contract for site demolition required that all tar tank contents be disposed in accordance with MOE regulations. Approximately 150,000 gallons of liquid and semi-liquid tar waste were estimated to have been removed from the site as part of the demolition. Today this site is a City of Hamilton park with tennis courts, baseball diamond and children's playground. The park was constructed by eliminating Caroline St. between Sheaffe, Mulberry and Cannon st. W. The site is surrounded by a warehouse to the north, city works yard to the east and residences and parkland to the south and west.
Potenial Environ Impact: This site operated for a long period of time (76 years) and also early when tar handling and disposal practices were more likely to have resulted in buried tar wastes. However, as part of the City of Hamilton demolition of the plant, all soils in areas of buildings and storage tanks (surface and underground) were to have been removed to a depth of 0.6 m below grade. Details of the actual demolition and soils excavation at this site were not available. No visible wastes were observed at the site during the site visit. Odour detection at the site was not possible because of the odours associated with operating steel works in the area. Because of the Lack of evidence of buried waste, continued land use, absence of groundwater use and distance to surface water, potential environmental impacts and health effects at this site are considered minimal. However based on the period of operation and subsurface conditions from similar sites, contaminated groundwater and soil likely exist at this site. Migration of contaminated groundwater is also likely along the bedding material of buried utility lines and sewers that transect the park along the former alignment of Caroline St. However because of the lack of groundwater use and distance to surface water there is no quantifiable impact from this likely contamination.
Offsite Disposal Areas:

Site: ***Hamilton-Wentworth District School Board***
Hamilton ON

Database: ***CONV***

File No.: 096318
Publication Title:
Publication City:
Url:
Crown Brief No.:
Ministry District:
Region:
Description: On April 5, 2012, the Hamilton-Wentworth District School Board pleaded guilty to three violations under the Safe Drinking Water Act for failing to ensure that a professional engineer prepared a report for each drinking water system at three schools. The Court heard that the school board is located in Hamilton. The board owns and operates 114 schools. Some of the schools owned and operated by the board are located in rural areas and are not connected to the City of Hamilton's municipal drinking water supply. These schools operate as drinking water systems, as defined under the Safe Drinking Water Act to treat raw water from a well or other intake point and distribute that water within the school. Under the Act, the board must provide engineering evaluation reports. During the course of inspections conducted at the schools, it was determined that the board was responsible for failing to comply with the regulation to retain a licensed engineer to prepare the evaluation reports and that some of the inspections revealed issues the water systems and water quality at these schools. The board was charged following an investigation by the ministry's Investigations and Enforcement Branch. The board was fined a total of $40,000 plus a victim fine surcharge and given 90 days to pay the fine.

--Details--
Publication Date:
Count: 3
Act: SDWA
Regulation:
Section:
Act/Regulation/Section: SDWA
Date Charged: April 5, 2012
Charge Disposition: fine, victim fine surcharge
Fine: $40,000

Site: ***Hamilton Hydro Electric System Inc.***
Lot 16, Concession 2 HAMILTON ON

Database: ***EBR***

Company Name:
Year: 2002
Notice Type: Instrument
EBR Registry No.: IA02E0621
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date: 6/17/02
Ministry Ref. No.:
Location: Lot 16, Concession 2,Hamilton, OntarioHAMILTON
Proponent Address: Hamilton Hydro Electric System Inc.55 John Street North,Hamilton, Ontario, L8N 3E4
Notice Date:

Site: ***Canadian National Railway Company***
Hamilton ON

Database: ***EBR***

Company Name:
Year: 2012
Notice Type: Instrument Proposal
EBR Registry No.: 011-6958
Instrument Type: (EPA Part II.1) - Environmental Compliance Approval (project type: sewage)
Proposal Date: August 16, 2012
Ministry Ref. No.: 9454-8NDQ7M
Location: Between Mile 268 and 269 Hamilton, County of Northumberland TOWNSHIP OF HAMILTON
Proponent Address: 1 Administration Road Vaughan Ontario Canada L4K 1B9
Notice Date:

Site: ***City of Hamilton***
Barton St W Hamilton ON L8R 2K3

Database: ***ECA***

Approval No: 6619-6HAJDY
Project Type: Municipal Drinking Water Systems
Date: 10/18/2005 4:05:59 PM
Status: Approved
Longitude:
Latitude:
Record Type: ECA
PDF URL:
Full Address:

Site: ***Hamilton-Wentworth Catholic District School Board***
Barton St Hamilton ON L8N 3R9

Database: ***ECA***

Approval No: 7800-9KCLG8
Project Type: Municipal and Private Sewage Works
Date: 5/29/2014 5:01:34 PM
Status: Approved
Longitude:
Latitude:
Record Type: ECA
PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/8953-9K2Q3F-14.pdf
Full Address:

Site:
York Blvd from Hess St N to John St. N Hamilton ON

Database: ***EHS***

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20071005008

Addit. Info Ordered::
Report Date: 10/16/2007
Report Type: CAN - Custom Report
Search Radius (km): 0.15

Site: ***Enbridge Pipelines Inc.***
PT Lot 16, Concession 2 Township of Hamilton ON Unknown

Database: ***GEN***

Generator No.: ON7534140
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 486110
SIC Description: PIPELINE TRANSPORTATION OF CRUDE OIL

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: ***Enbridge Pipelines Inc.***
PT Lot 16, Concession 2 Township of Hamilton ON K8P 4V2

Database: ***GEN***

Generator No.: ON7534140
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 486110
SIC Description: PIPELINE TRANSPORTATION OF CRUDE OIL

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: ***HAMILTON, CITY OF***
FORMER LAX PROPERTY(BAY STREET N.) C/O 71 MAIN STREET HAMILTON ON L8P 1H4

Database: ***GEN***

Generator No.: ON0062411
Status:
Approval Years: 86,87,88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 0000
SIC Description: *** NOT DEFINED ***

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 143
Waste Description: STEEL MAKING RESIDUES

Site: ***HAMILTON, CITY OF***
FORMER LAX PROPERTY(BAY STREET N.) HAMILTON ON L8P 1H4

Database: ***GEN***

Generator No.: ON0062411
Status:
Approval Years: 92,93,97
Contam. Facility:
MHSW Facility:
SIC Code: 8359
SIC Description: OTHER GEN. ADMIN.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 143
Waste Description: STEEL MAKING RESIDUES

Site: ***HAMILTON, CITY OF 19-153***
FORMER LAX PROPERTY(BAY STREET N.) C/O 71 MAIN STREET HAMILTON ON L8P 1H4

Database: ***GEN***

Generator No.: ON0062411
Status:
Approval Years: 94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 8359
SIC Description: OTHER GEN. ADMIN.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 143
Waste Description: STEEL MAKING RESIDUES

Site: ***The Royal Hamilton Yacht Club***
Foot of MacNab St North Hamilton ON

Database: ***GEN***

Generator No.: ON4709817
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 713930
SIC Description: Marinas

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 253
Waste Description: EMULSIFIED OILS

Site: ***TRABUR PAINTING LIMITED***
DURDURN CASTLE YORK BLVD. HAMILTON ON

Database: ***GEN***

Generator No.: ON1776200
Status:
Approval Years: 93,94,95,96,97,98
Contam. Facility:
MHSW Facility:
SIC Code: 4275
SIC Description: PAINT. & DECOR. WORK

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Site: ***TRABUR PAINTING LIMITED***
DURDURN CASTLE YORK BOULEVARD HAMILTON ON

Database: ***GEN***

Generator No.: ON1776200
Status:
Approval Years: 99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 4275

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

SIC Description: PAINT. & DECOR. WORK

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Site: ***Archie McCoy (Hamilton) Limited***
Lot 17-18, Concession 2 City of Hamilton ON

Database: ***LIMO***

C of A No: A130510
C of A Issue Date: 1/28/1977
C of A Issued to:
Operation Status: Closed
Landfill Type:
Total Site Area:
Footprint:
Tot Apprvd Capac:
Tot Aprv Cp Unit:
Fill Rate:
Fill Rate Unit:
Est Remain Cap:
ERC Volume Unit:
ERC Methodology:
ERC Dt Last Det:
Total Waste Rec:
TWR Unit:
TWR Methodology:
Site Name: Mccoy Foundry Landfill
Air Emmis Monitor:
Leachate Off-Site:
Leachate On Site:
Landfill Gas Manag (P):
Landfill Gas Manag (F):
Landfill Gas Manag (E):
Req Col Lndfll Gas:
Lndfll Gas Cllcted:
Lndfll Gas Mntr:
Service Area:
Approved Waste Type:

Site County: Hamilton
MOE Region: West Central
MOE District: Hamilton
Easting:
Northing:
Latitude:
Longitude:
UTM Zone:
Data Source: small landfills
Cntm Attn Zn:
Grndwtr Mntr:
Surf Wtr Mntr:
Lst Rprting Yr:
Fin Assrnce:
Nat Attnuatn:
Liners:
Cvr Material:

Site: ***CITY OF HAMILTON (WAS REG. MUNC.HAMILTON WENTWORTH***
STRACHAN ST SH3 SEWAGE PUMP STATION HAMILTON ON

Database: ***NPCB***

Company Code: O0231K
Industry: GOVERNMENT (NOT FEDERAL)
Site Status: STORAGE ONLY (NON FEDERAL)
Transaction Date: 6/6/1996
Inspection Date: 2/24/1992

--Details--
Label: OR55625
Serial No.:
PCB Type/Code: ASKAREL/ASKAREL
Location:
Item/State: CAPACITOR/FULL
No. of Items: 1
Manufacturer:
Status: STORED FOR DISPOSAL
Contents: 5 L

Label: OR55622
Serial No.:
PCB Type/Code: ASKAREL/ASKAREL
Location:

Item/State: CAPACITOR/FULL
No. of Items: 1
Manufacturer:
Status: STORED FOR DISPOSAL
Contents: 5 L

Label: OR55623
Serial No.:
PCB Type/Code: ASKAREL/ASKAREL
Location:
Item/State: CAPACITOR/FULL
No. of Items: 1
Manufacturer:
Status: STORED FOR DISPOSAL
Contents: 5 L

Label: OR55624
Serial No.:
PCB Type/Code: ASKAREL/ASKAREL
Location:
Item/State: CAPACITOR/FULL
No. of Items: 1
Manufacturer:
Status: STORED FOR DISPOSAL
Contents: 5 L

Site: ***REGIONAL MUNC. OF HAMILTON WENTWORTH***
SH3 SEWAGE PUMP STATION; STRACHAN STREET HAMILTON ON

Database: ***NPCB***

Company Code: O0231K
Industry: Government (not Fed)
Site Status:
Transaction Date: 4/18/1994
Inspection Date: 2/24/1992

--Details--
Label:
Serial No.:
PCB Type/Code: Askarel
Location:
Item/State:
No. of Items:
Manufacturer:
Status: In-Use
Contents: 5.00 L

Site: ***NEIL OCONNELL***
LOT 15 CON 1 HAMILTON TWP ON L9C 3B5

Database: ***PRT***

Location ID: 617
Type: private
Expiry Date:
Capacity (L): 6819.00
Licence #: 0001009181

Site:
Pt of Former Train Stn, Site #2, CNREM PIN 40801 Hamilton ON

Database: ***RSC***

Reg No:
RSC Type:
Current Property Use:
District Office: Guelph
Date Submitted: 03/18/99
Prop. ID No:
Asmt Roll No:
Intended Prop Use:
Nm of Qual. Person:
Stratified (Y/N): N

Date Ack:	06/24/99	***Audit (Y/N):***	N
Date Returned:		***Accuracy Estimate:***	
Cert Date:		***Mailing Address:***	
Cert Prop Use No:		***Telephone:***	
Restoration Type:	Generic	***Fax:***	
Soil Type:	Coarse	***Email:***	
Criteria:	Ind/comm, potable		

CPU Issued Sect 1686:
Entire legal prop. (Y/N):
Applicable Standards:
Consultant: Jacques Whitford Environment Limited
Filing Owner:
Legal Desc:
Measurement Method:
Latitude & Latitude:
UTM Coordinates:

Site: ***FUELS***
CALL FUELS HAMILTON ON

Database: ***RST***

Code: 00426100
Facility: DIESEL FUEL
Description:
List Name:

Site: ***CANADIAN NATIONAL RAILWAY***
HAMILTON CITY ON

Database: ***SPL***

Ref No: 97667
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: WASTEWATER DISCHARGE TO WATERCOURSE
Incident Dt: //
Incident Reason: UNKNOWN
Incident Summary: CANADIAN NATIONAL-15 L OF OIL TO WATER AT STEWART STREET OUTFALL.
MOE Reported Dt: 3/23/1994
Environmental Impact: POSSIBLE
Nature of Impact: Water course or lake
Receiving Medium: WATER
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 16101

Site: ***PHILIP ENTERPRISES***
CHAMPS GAS BAR & CAR WASH BARTON STREET HAMILTON WASTE DISPOSAL SITE. HAMILTON CITY ON

Database: ***SPL***

Ref No: 65962
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 1/10/1992
Incident Reason: OVERSTRESS/OVERPRESSURE
Incident Summary: PHILIP ENTERPRISES- 135L HYDRAULIC OIL ONTO STREETFROM HOSE ON TRUCK.
MOE Reported Dt: 1/10/1992
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:

Incident Event:
Site Municipality: 16101

Site: ***GRANGER FUELS LTD.***
DOFASCO TANK TRUCK (CARGO) HAMILTON CITY ON

Database: ***SPL***

Ref No: 178293
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 3/7/2000
Incident Reason: EQUIPMENT FAILURE
Incident Summary: GRANGER FUELS - 30 L OF DIESEL FUEL TO GROUND DURING DELIVERY.
MOE Reported Dt: 3/7/2000
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 16101

Site: ***CANADIAN NATIONAL RAILWAY***
CN TRACK TRAIN HAMILTON CITY ON

Database: ***SPL***

Ref No: 48268
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 3/28/1991
Incident Reason: ERROR
Incident Summary: CN RAIL: CREOSOTE LEAKINGFROM TANK CAR TO TRACK ATCN YARD
MOE Reported Dt: 3/28/1991
Environmental Impact: CONFIRMED
Nature of Impact: Other
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 16101

Site: ***Bell Canada <UNOFFICIAL>***
Former township of Barton BETWEEN WARWICK & DEER LAKE<UNOFFICIAL> Hamilton ON

Database: ***SPL***

Ref No: 2320-6U23VE
Contaminant Code: 21
Contaminant Name: BATTERY ACID (SULFURIC ACID)
Contaminant Quantity: 1 L
Incident Cause: Container Leak (Fuel Tank Barrels)
Incident Dt: 9/26/2006
Incident Reason: Other - Reason not otherwise defined
Incident Summary: Bell Canada - 1 L of battery acid to ground.
MOE Reported Dt: 9/26/2006
Environmental Impact: Possible
Nature of Impact: Soil Contamination
Receiving Medium: Land
SAC Action Class:
Sector Source Type: other
Receiving Environment:
Incident Event:

Site Municipality: Red Lake

Site: ***PHILIP UTILITIES MANAGEMENT CO***
RENWOOD PARK PUMP STATION ON MILL ST NEAR RAIL LINE IN WATERDOWN. SEWAGE LIFT/PUMPING STATION. HAMILTON CITY ON

Database: ***SPL***

Ref No: 165772
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: WASTEWATER DISCHARGE TO WATERCOURSE
Incident Dt: //
Incident Reason: OTHER
Incident Summary: PHILIP UTILITIES MGMT- DIESEL FUEL LEAKING TO GRINDSTONE CREEK.
MOE Reported Dt: 3/23/1999
Environmental Impact: POSSIBLE
Nature of Impact: Water course or lake
Receiving Medium: WATER
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 16101

Site: ***CANADIAN NATIONAL RAILWAY***
IN BALLAST BETWEEN TRACKS ON THE WEST END OF THE YARD. HAMILTON YARD HAMILTON CITY ON

Database: ***SPL***

Ref No: 142263
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 6/17/1997
Incident Reason: DAMAGE BY MOVING EQUIPMENT
Incident Summary: CN: 800L LUBE OIL SPILLED ONTO BALLAST BETWEEN TRACKS AT YARD.
MOE Reported Dt: 6/18/1997
Environmental Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 16101

Site: ***CANADIAN NATIONAL RAILWAY***
CN DIESEL SHOP STORAGE TANKS HAMILTON CITY ON

Database: ***SPL***

Ref No: 19004
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: UNKNOWN
Incident Dt: 5/23/1989
Incident Reason: UNKNOWN
Incident Summary: CNR - 500 LTR. LUBE OIL TO LAND, DYKED.
MOE Reported Dt: 5/23/1989
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:

Site Municipality: 16101

Site: ***PROVMAR FUELS***
HAMILTON CITY ON

Database: ***SPL***

Ref No: 16666
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: UNKNOWN
Incident Dt: 4/3/1989
Incident Reason: UNKNOWN
Incident Summary: PROVMAR FUELS- 1000 LITRES DIESEL TO HAMILTON HARBOUR
MOE Reported Dt: 4/3/1989
Environmental Impact:
Nature of Impact:
Receiving Medium: WATER
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 16101

Site: ***CANADIAN NATIONAL RAILWAY***
CN YARD, TRACK 24. MAIN STORAGE YARD. TRAIN HAMILTON CITY ON

Database: ***SPL***

Ref No: 130582
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: //
Incident Reason: EQUIPMENT FAILURE
Incident Summary: CANADIAN NATIONAL-LIQUID ARGON(UN 1951)TO AIR FROMRUPTURED PIPE.
MOE Reported Dt: 8/16/1996
Environmental Impact: NOT ANTICIPATED
Nature of Impact: Air Pollution
Receiving Medium: AIR
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 16101

Site: ***PROVMAR FUELS INC.***
TANK TRUCK (CARGO) HAMILTON CITY ON

Database: ***SPL***

Ref No: 125088
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 4/17/1996
Incident Reason: ERROR
Incident Summary: PROVMAR-1.5 L GASOLINE TOASPHALT. CLEANED. NO ENV IMPACT.
MOE Reported Dt: 4/17/1996
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 16101

Site: ***G. Mason Construction Limited***
100 metres along Barton Road, from the intersection of Fruitland Road, Fruitland Hamilton ON

Database: ***SPL***

Ref No:	3268-7R6PVD
Contaminant Code:	
Contaminant Name:	HYDRAULIC OIL
Contaminant Quantity:	45.5 L
Incident Cause:	Pipe Or Hose Leak
Incident Dt:	
Incident Reason:	Equipment Failure
Incident Summary:	G. Mason Construction 5-10gal (22.7-45.5L) hydraul oil to rd
MOE Reported Dt:	4/16/2009
Environmental Impact:	Not Anticipated
Nature of Impact:	Other Impact(s)
Receiving Medium:	
SAC Action Class:	Land Spills
Sector Source Type:	Motor Vehicle
Receiving Environment:	
Incident Event:	
Site Municipality:	Hamilton

Site: ***PRIVATE OWNER***
CANNON STREET MOTOR VEHICLE (OPERATING FLUID) HAMILTON CITY ON

Database: ***SPL***

Ref No:	126176
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	OTHER CONTAINER LEAK
Incident Dt:	5/10/1996
Incident Reason:	ERROR
Incident Summary:	PRIVATE VEHICLE: MVA SPILLS TRANSMISSION OIL TO COMBINED SEWER: WORKS
MOE Reported Dt:	5/10/1996
Environmental Impact:	NOT ANTICIPATED
Nature of Impact:	
Receiving Medium:	WATER
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	16101

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory: Provincial AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2016

Abandoned Mine Information System: Provincial AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Nov 2016

Anderson's Waste Disposal Sites: Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies: Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-May 2017

Borehole: Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2014

Certificates of Approval: Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Commercial Fuel Oil Tanks: Provincial CFOT

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

Government Publication Date: Feb 28, 2017

Chemical Register: Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-May 2017

Compressed Natural Gas Stations: Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 31, 2012

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Jul 2017

Certificates of Property Use: Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994-Jul 2017

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886-Aug 2015

Environmental Activity and Sector Registry: Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011-Mar 2017

Environmental Registry: Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994-Jul 2017

Environmental Compliance Approval: Provincial ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011-Mar 2017

Environmental Effects Monitoring: Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Aug 2016

Environmental Issues Inventory System: Federal EIIS

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities: Provincial EXP

List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Feb 28, 2017

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government.

Government Publication Date: Jun 2000-Mar 2017

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sept 2003

Fuel Storage Tank: Provincial FST

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Jun 2017

Greenhouse Gas Emissions from Large Facilities: Federal GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2015

TSSA Historic Incidents: Provincial HINC

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

TSSA Incidents: Provincial INC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Dec 31, 2013

Canadian Mine Locations: Private MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2017

National Analysis of Trends in Emergencies System (NATES): Federal NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2014

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

Locations of pipeline incidents from 2008 to present, made available by the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008 - Dec 2016

National Energy Board Wells: Federal NEBW

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-2014

Oil and Gas Wells: Private OGW

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-May 2017

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Oct 2016

Inventory of PCB Storage Sites: Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders: Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994-Jul 2017

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: 1988-Oct 2016

TSSA Pipeline Incidents: Provincial PINC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks: Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Jul 2017

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Aug 2017

Retail Fuel Storage Tanks: Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-May 2017

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Feb 2017

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-2014

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970-Jan 2015

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Mar 31, 2017

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Jun 30, 2016

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

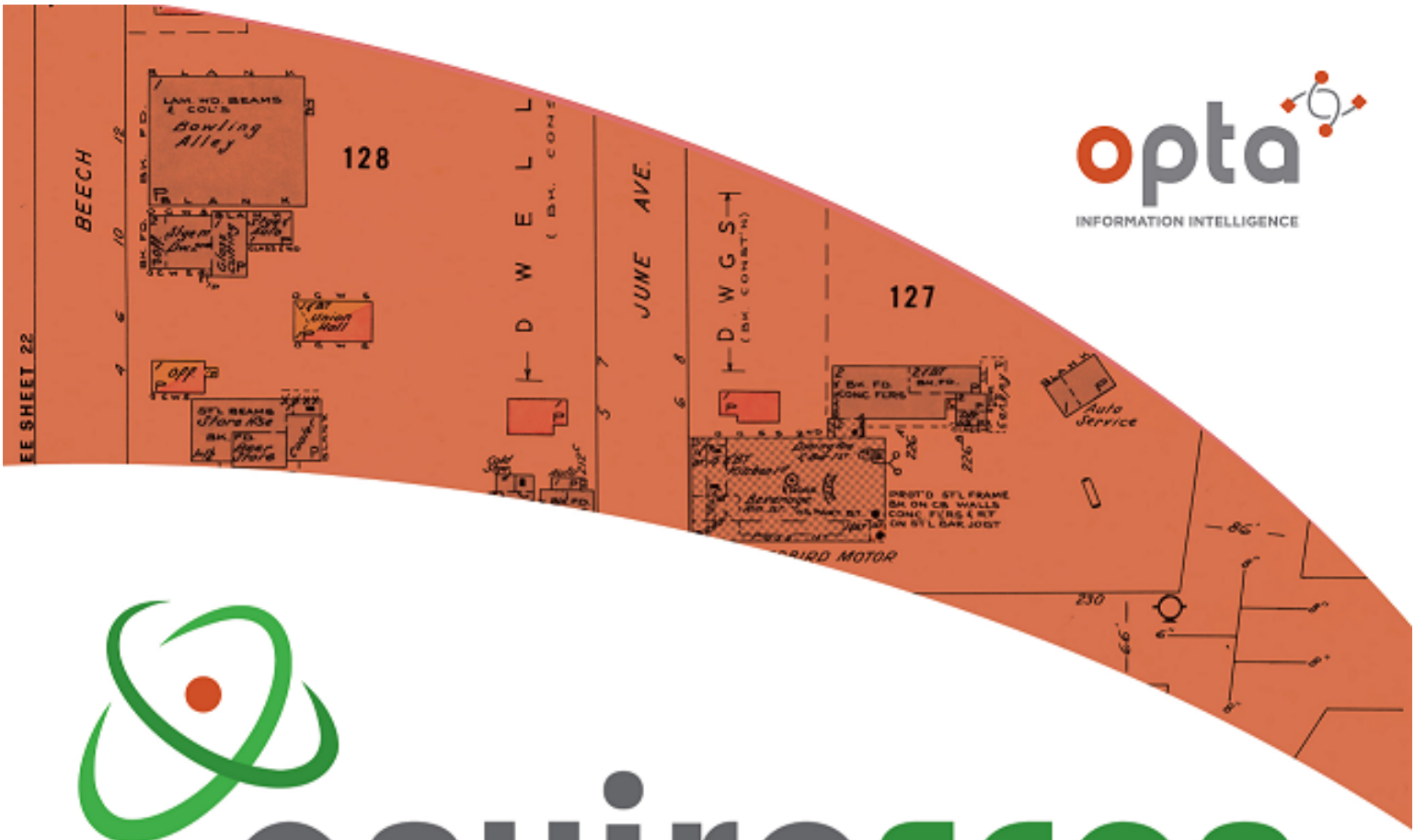
'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



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An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:

Catherine

Site Address:
Hamilton ON

Project No:

TB171019

Opta Order ID:
41324

Requested by:
Tracey Schranz
AMEC FOSTER WHEELER

Date Completed:
10/6/2017 11:41:27 AM

Project Name: Tiffany

Project #: TB171019
P.O. #: TB171019

ENVIROSCAN Report

Search Area: Hamilton ON

Requested by:
Tracey Schranz
Date Completed: 10/06/2017 11:41:27

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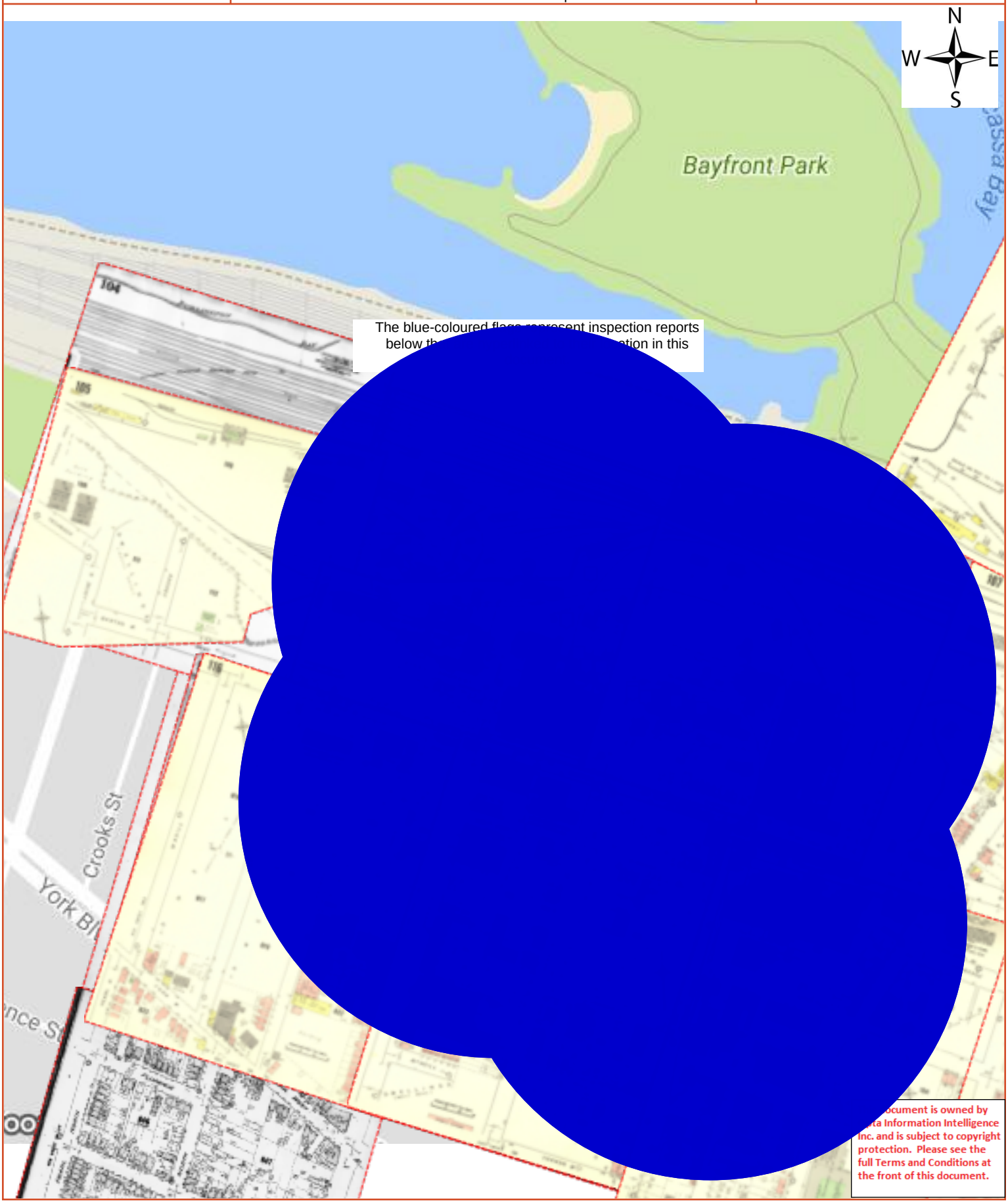

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Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

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Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

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179 (1974) Siteplan Report - 1974 The Corporation of the City of Hamilton 125 Barton St W Hamilton ON L8L (distance = 139 metres*)
) Commercial property fire rating form Report - 1978 The Corporation of the City of Hamilton 125 Barton St W Hamilton
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Project Name: Tiffany

Project #: TB171019
P.O. #: TB171019

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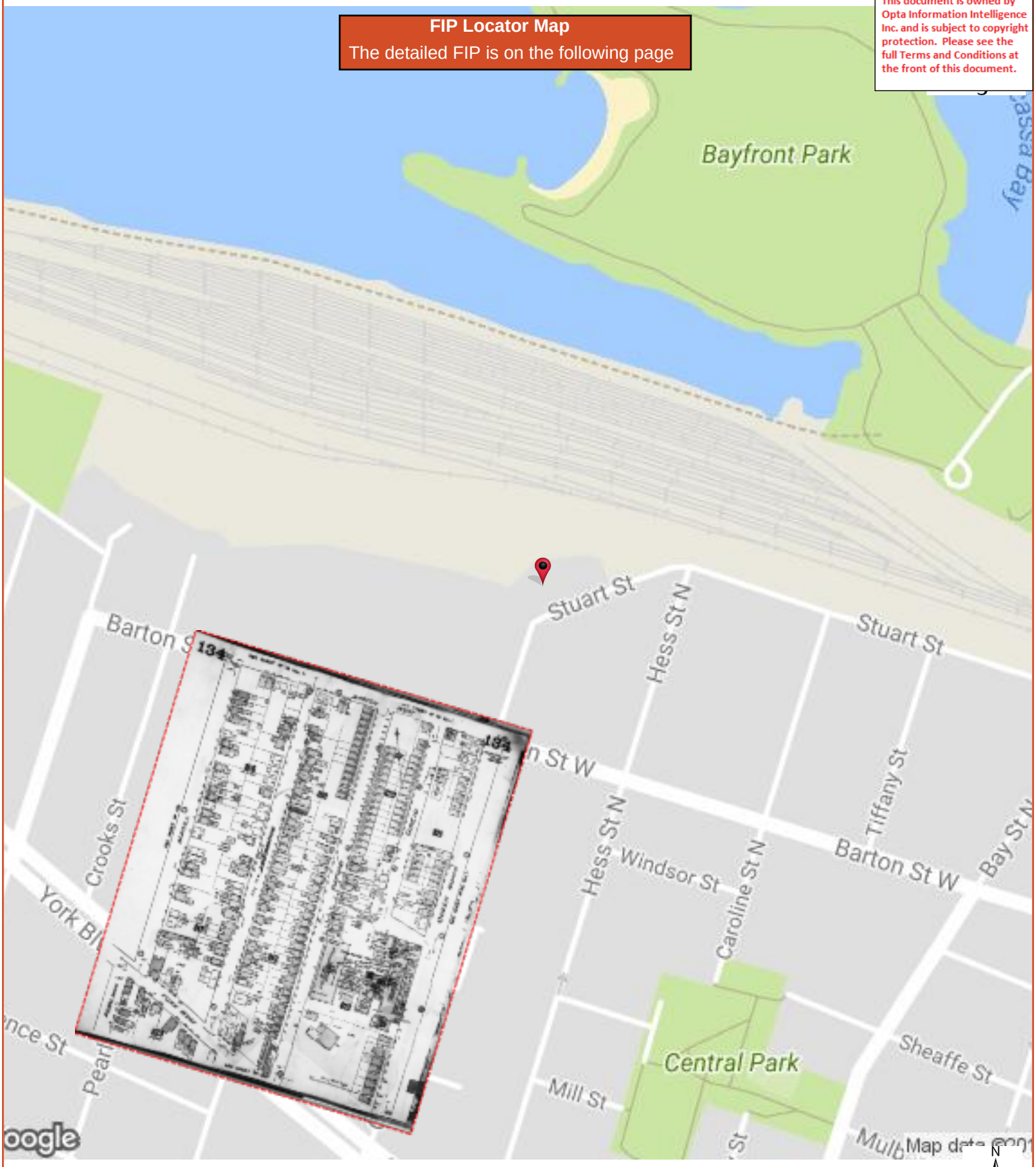

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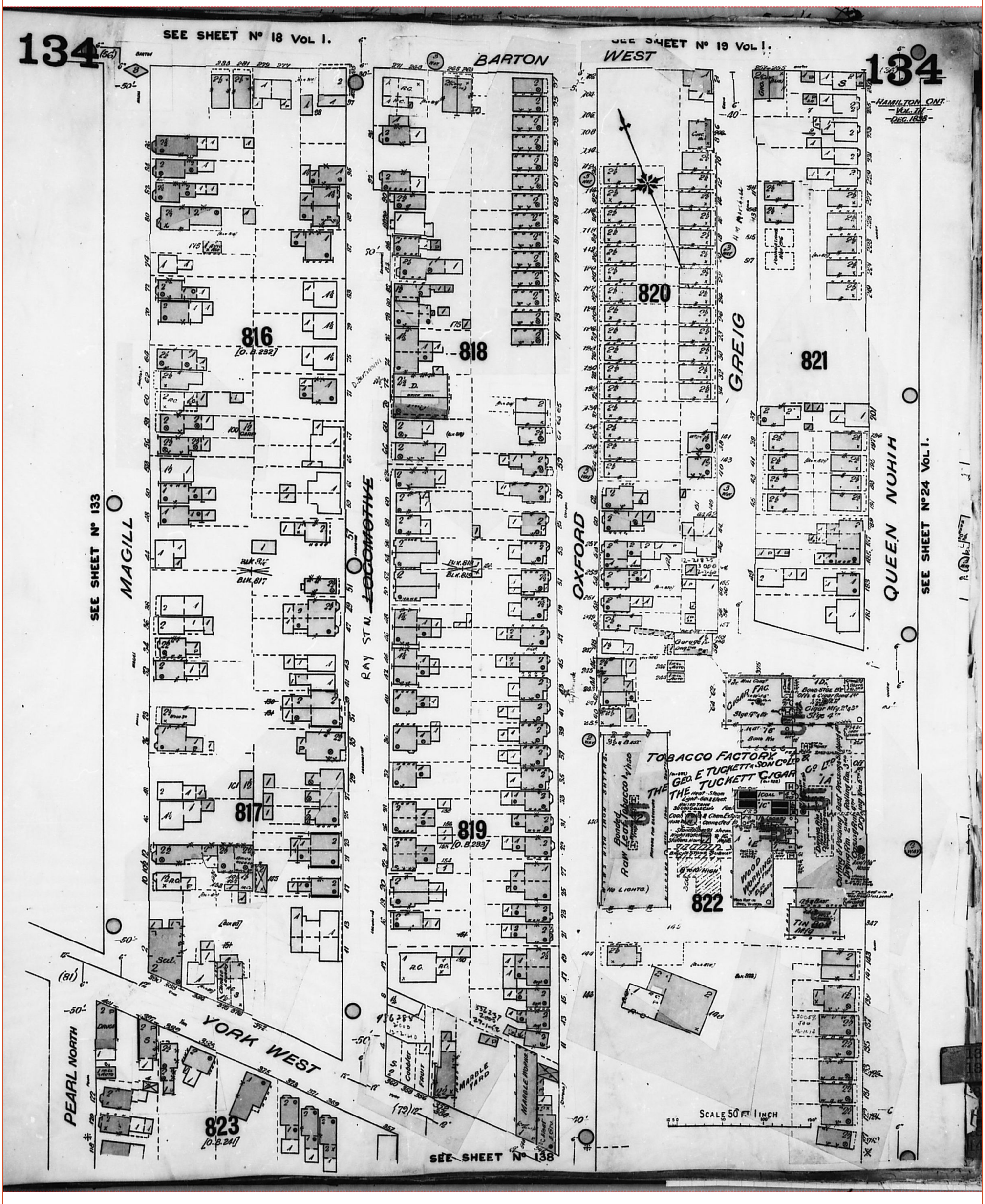

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P.O. #: TB171019

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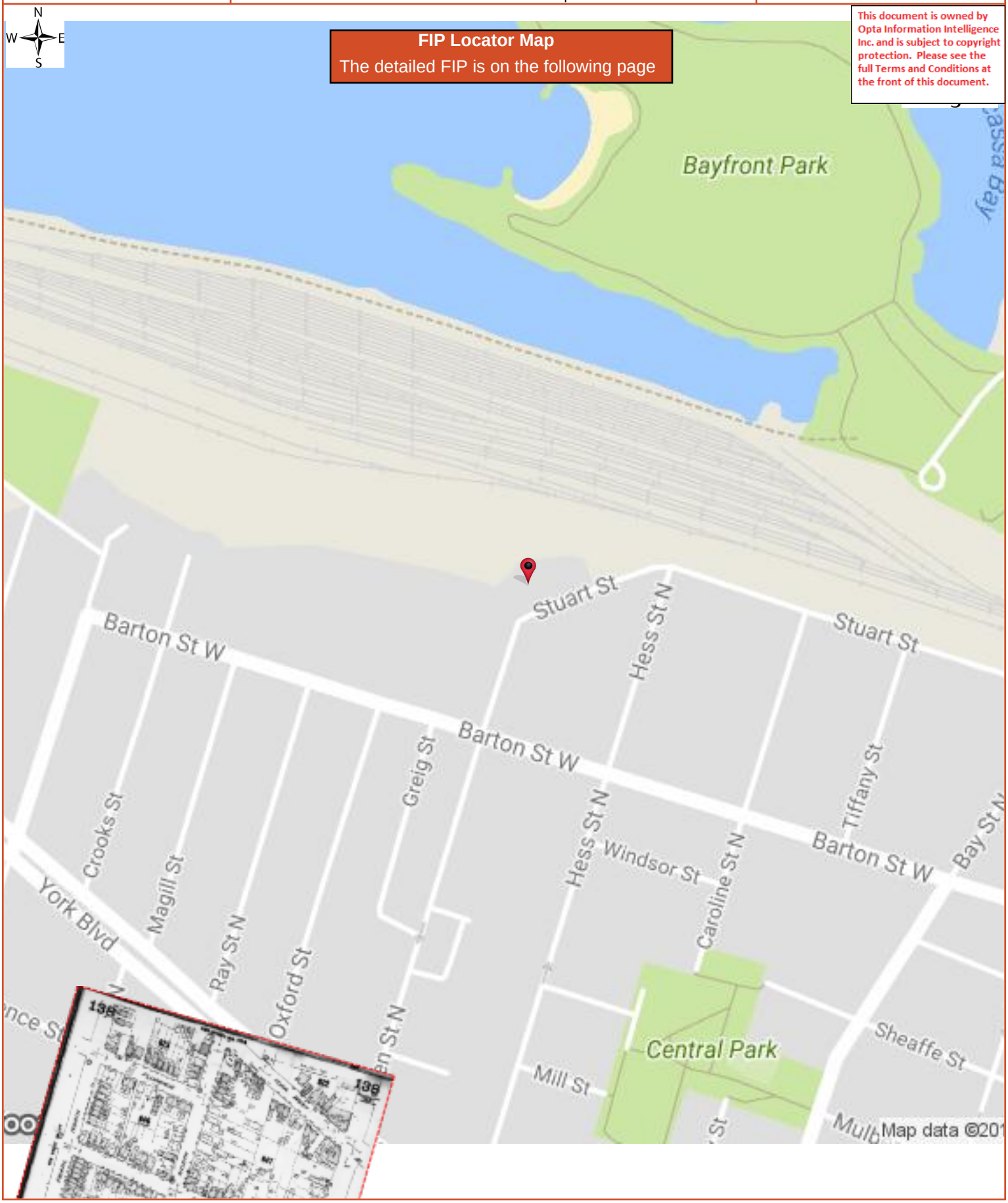

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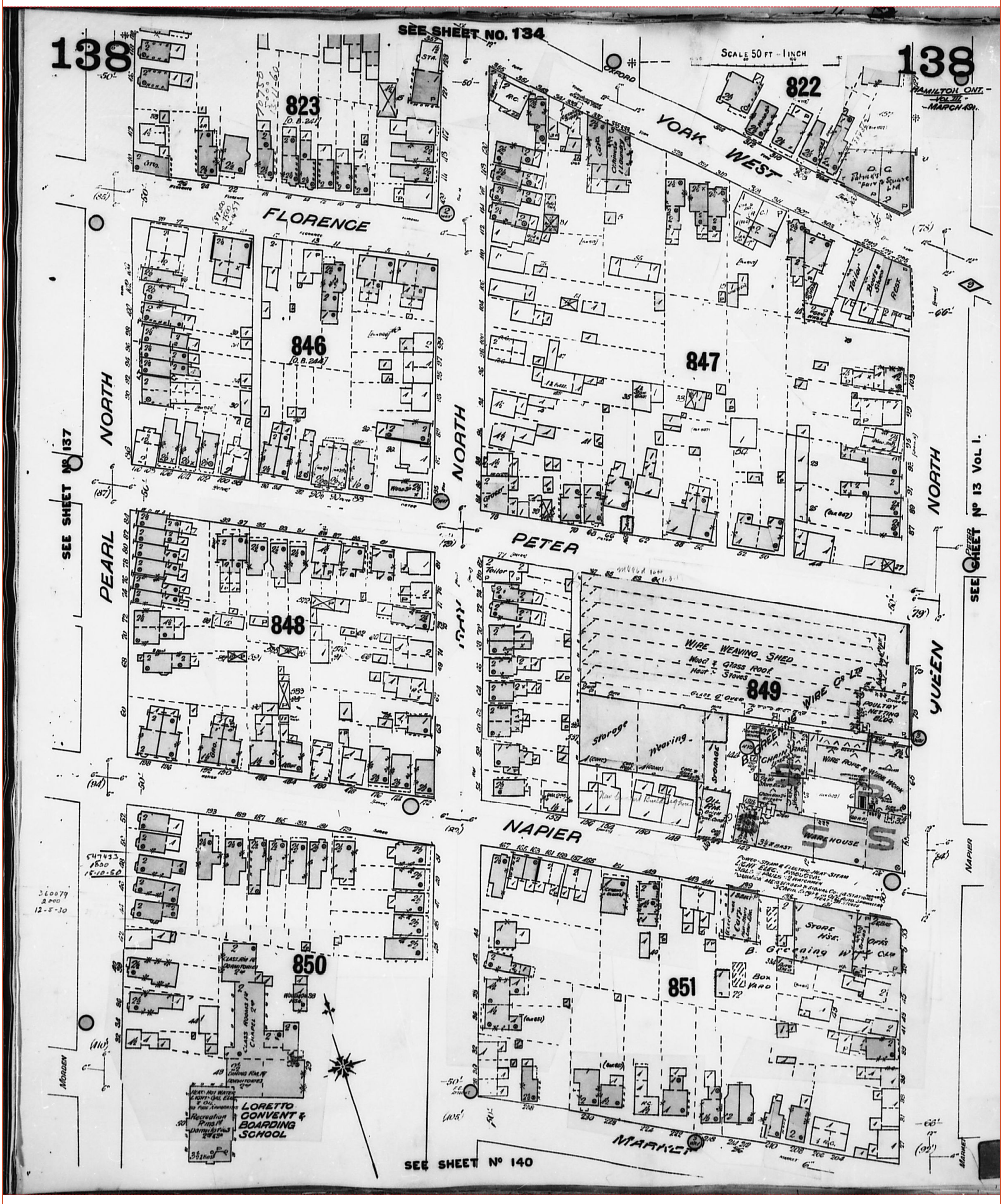

Project Name: Tiffany

Project #: TB171019
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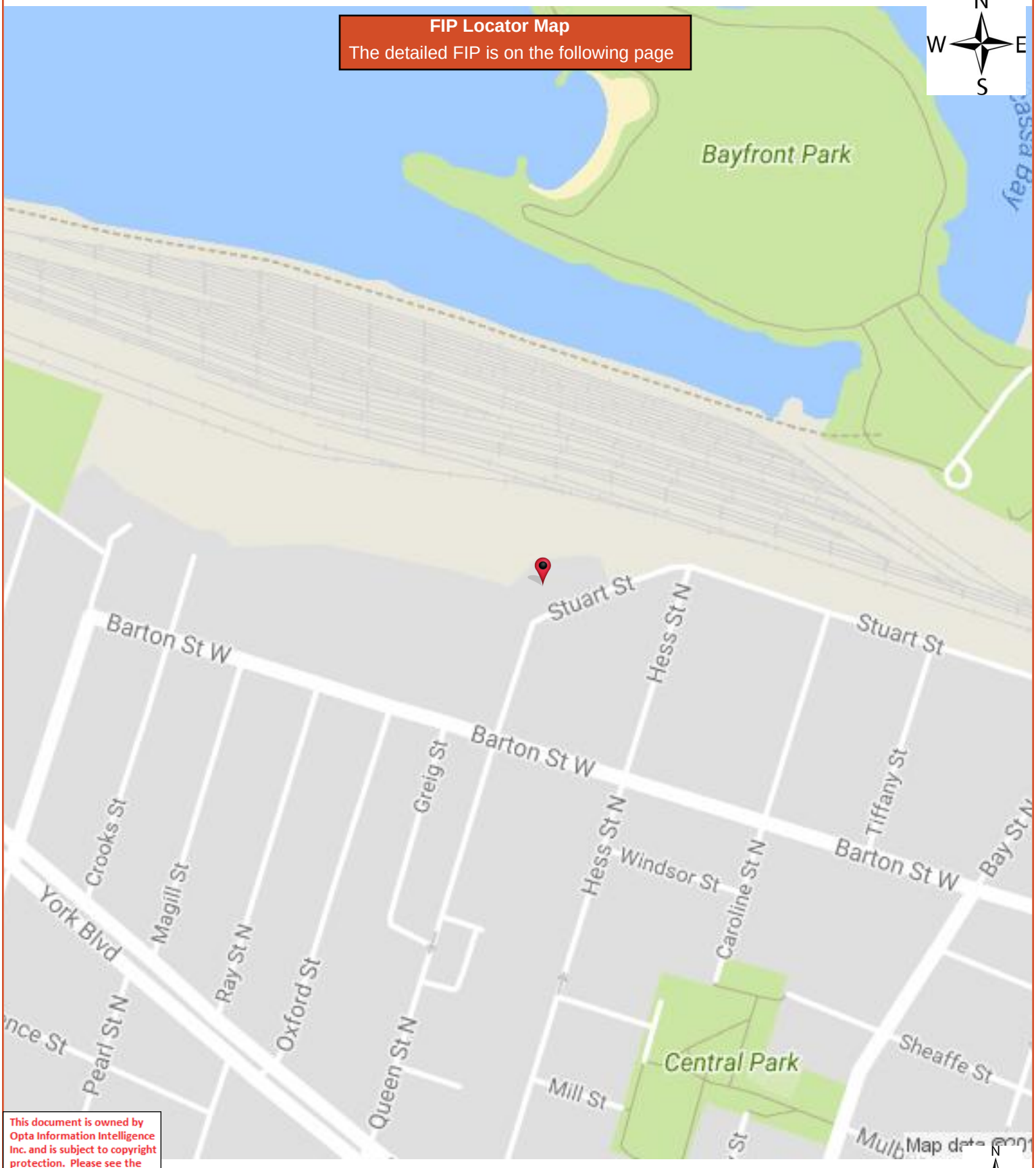

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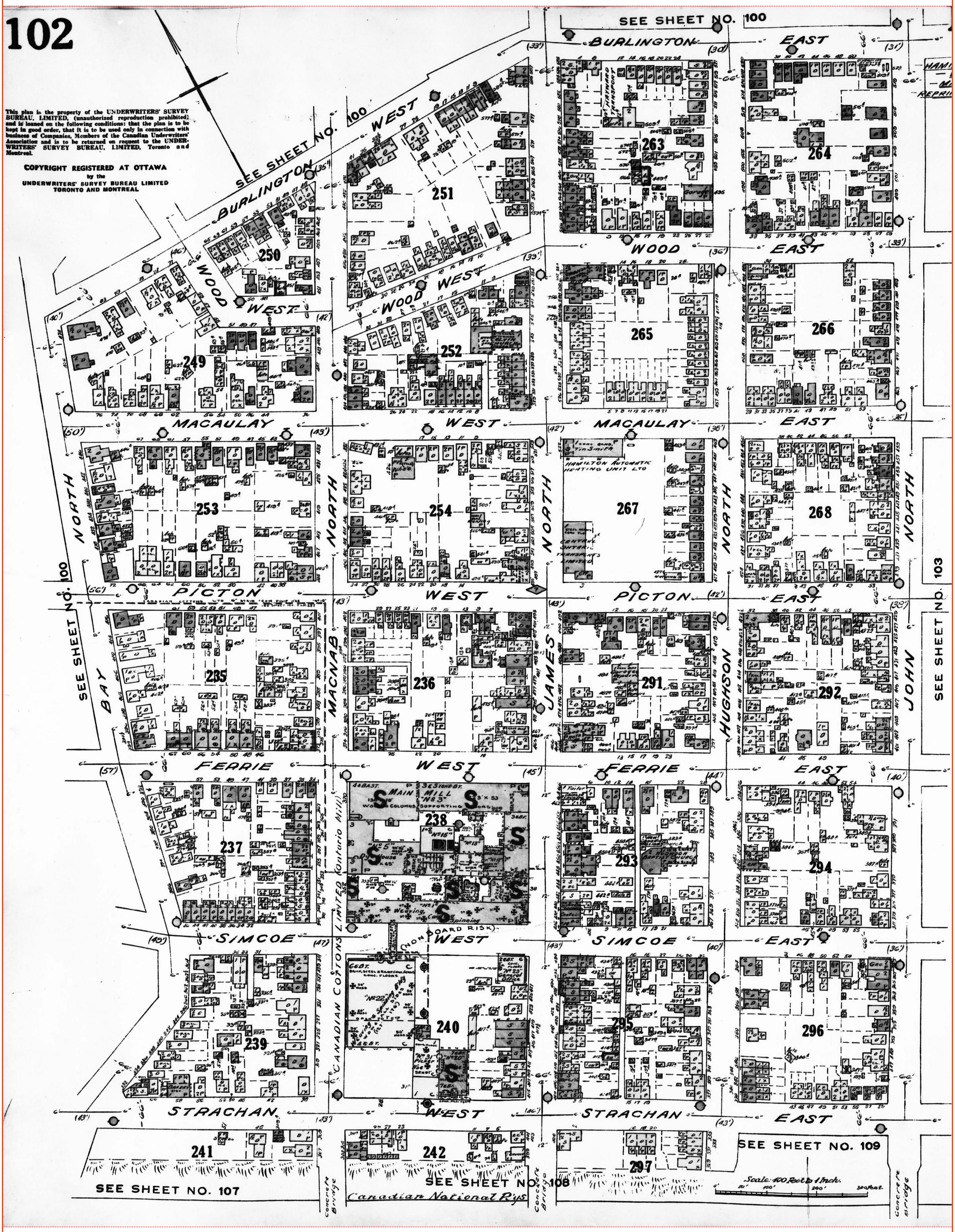

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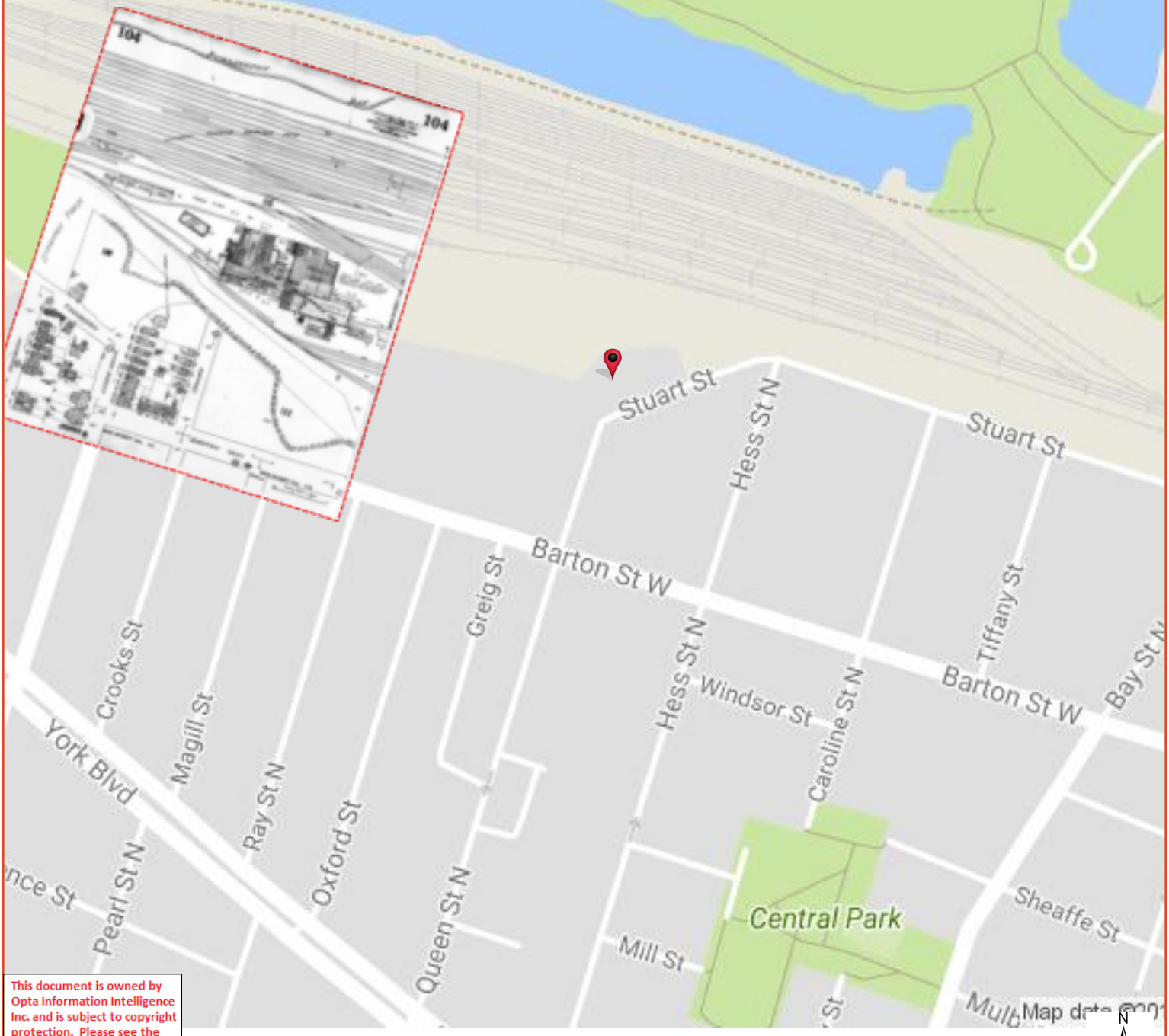

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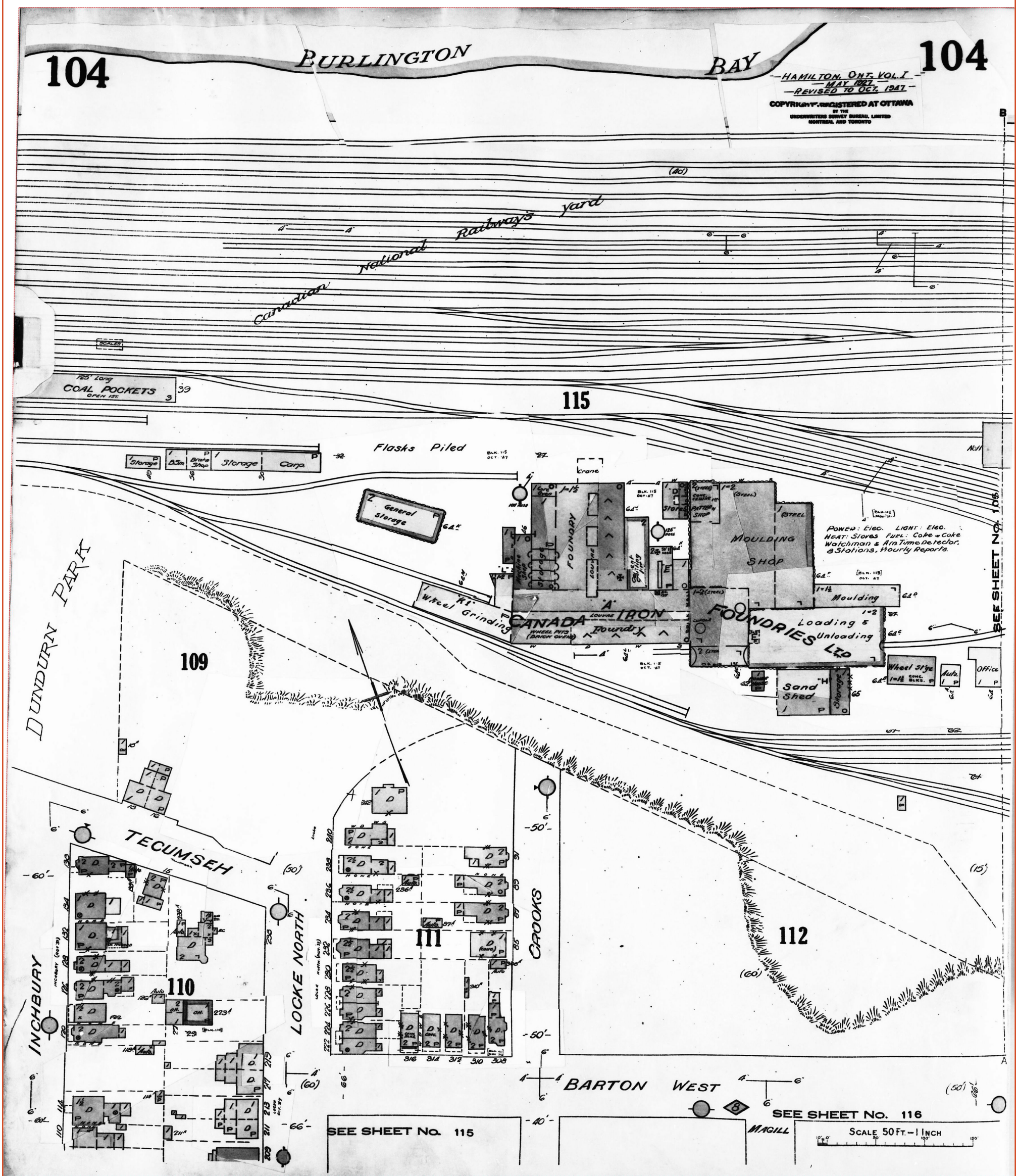

Project Name: Tiffany

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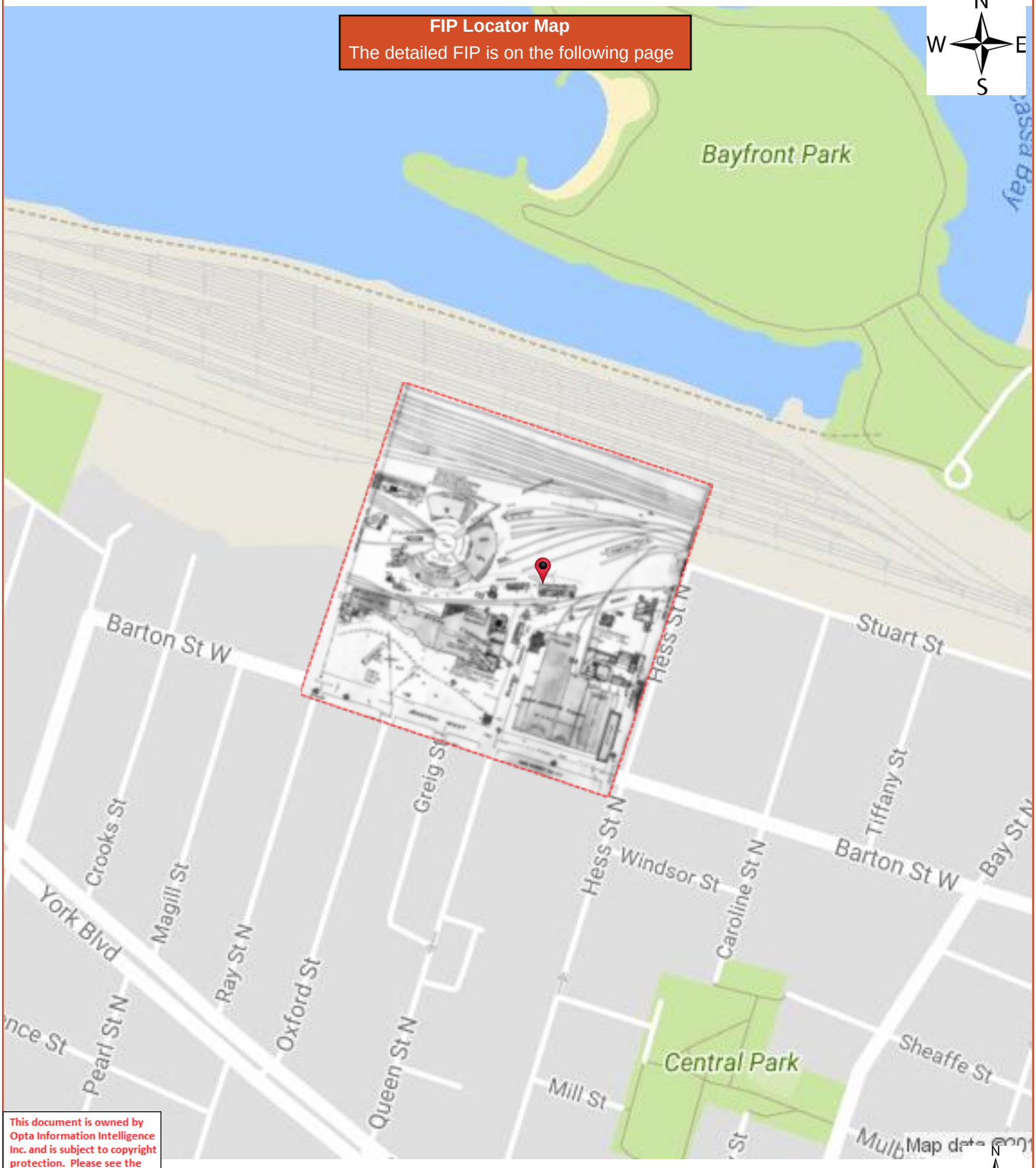

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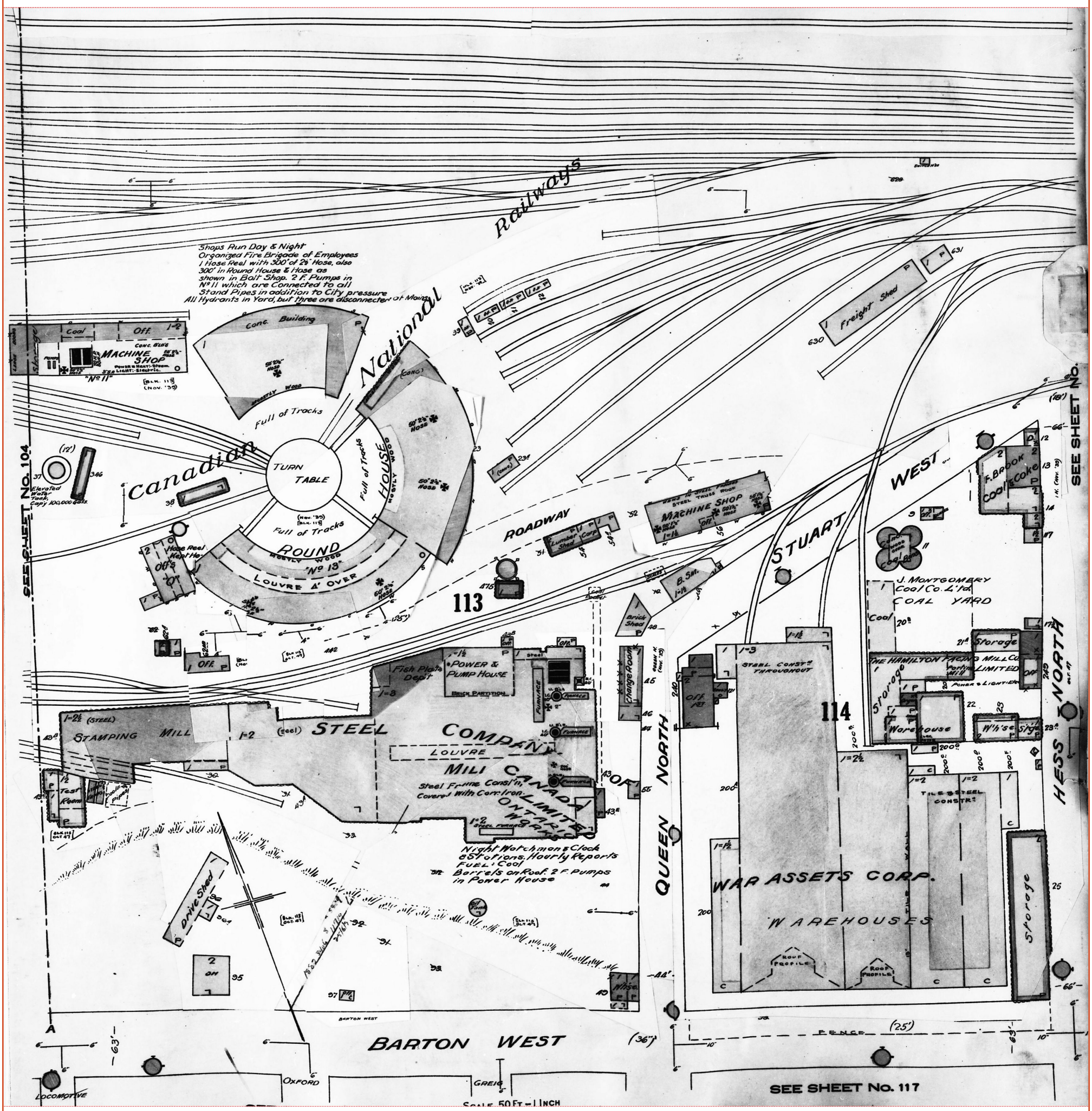

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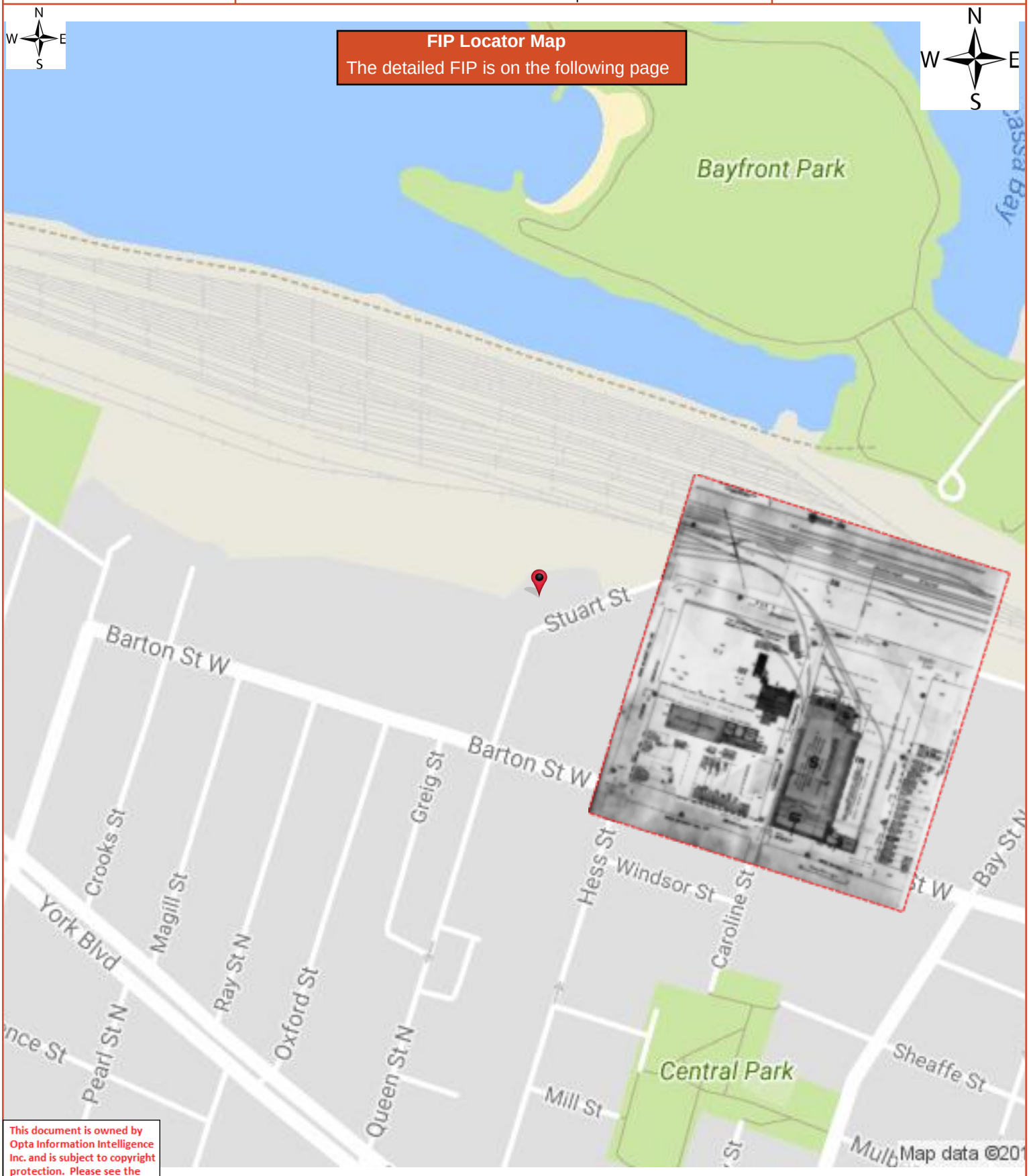

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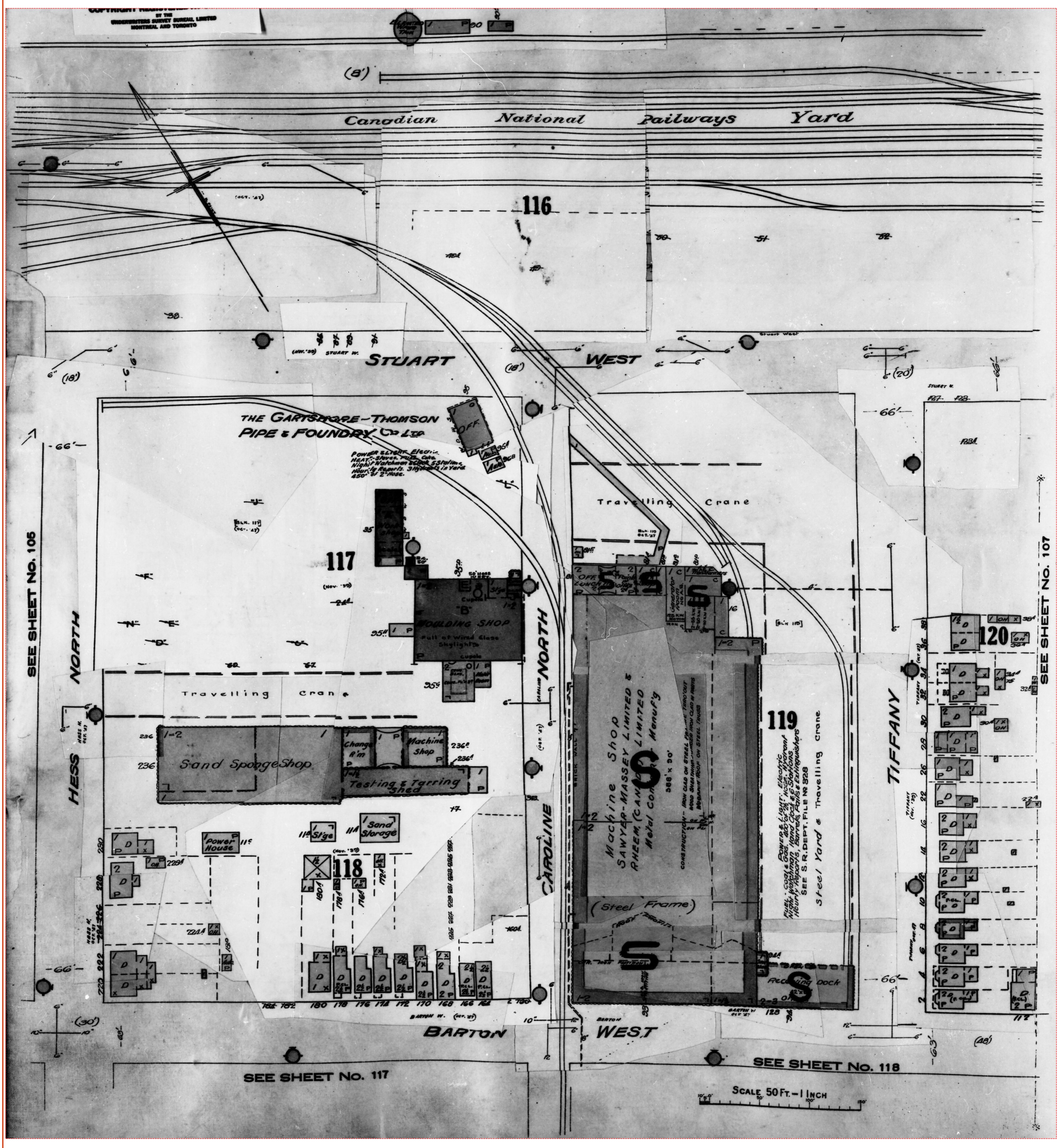

Project Name: Tiffany

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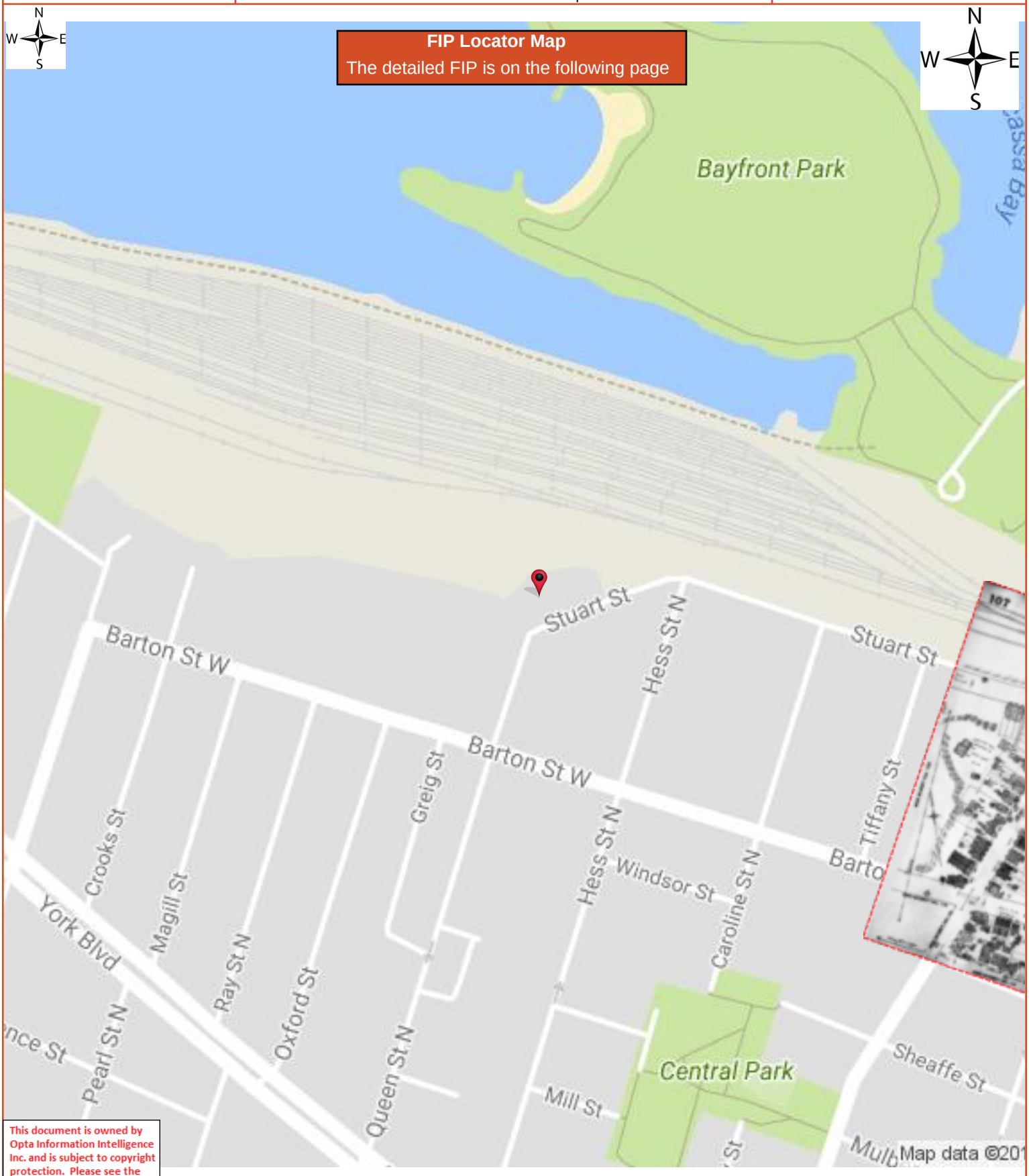

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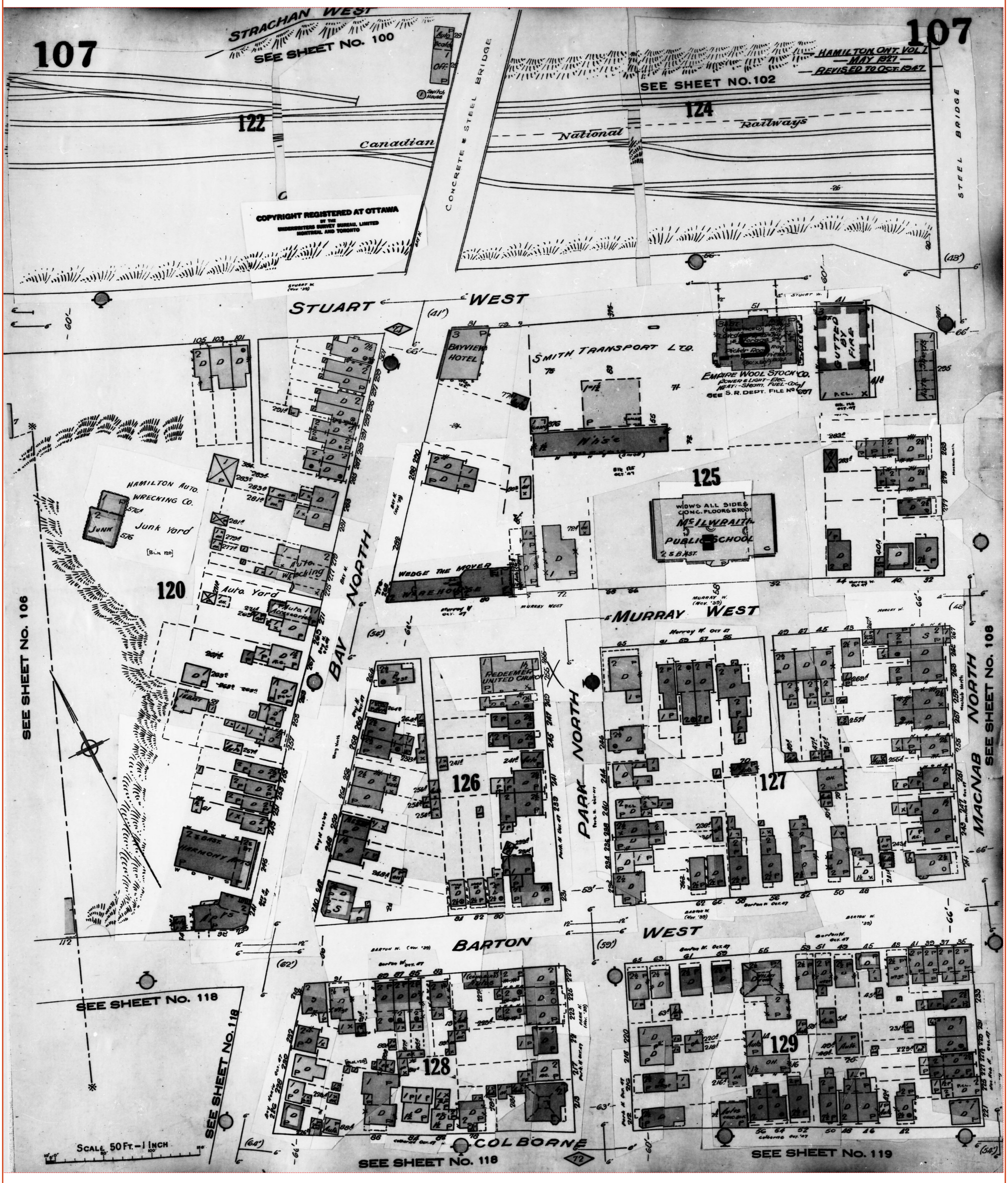

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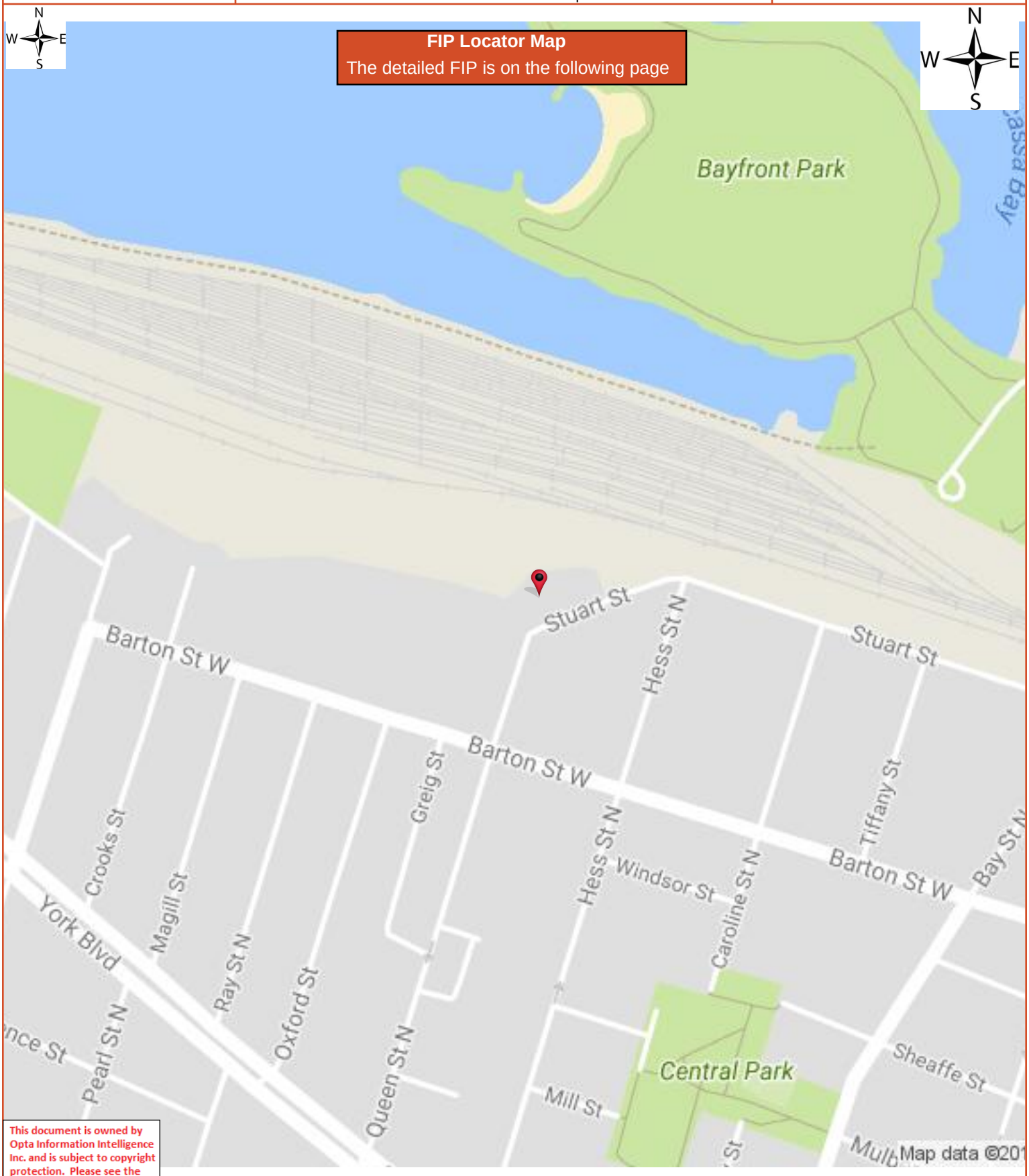

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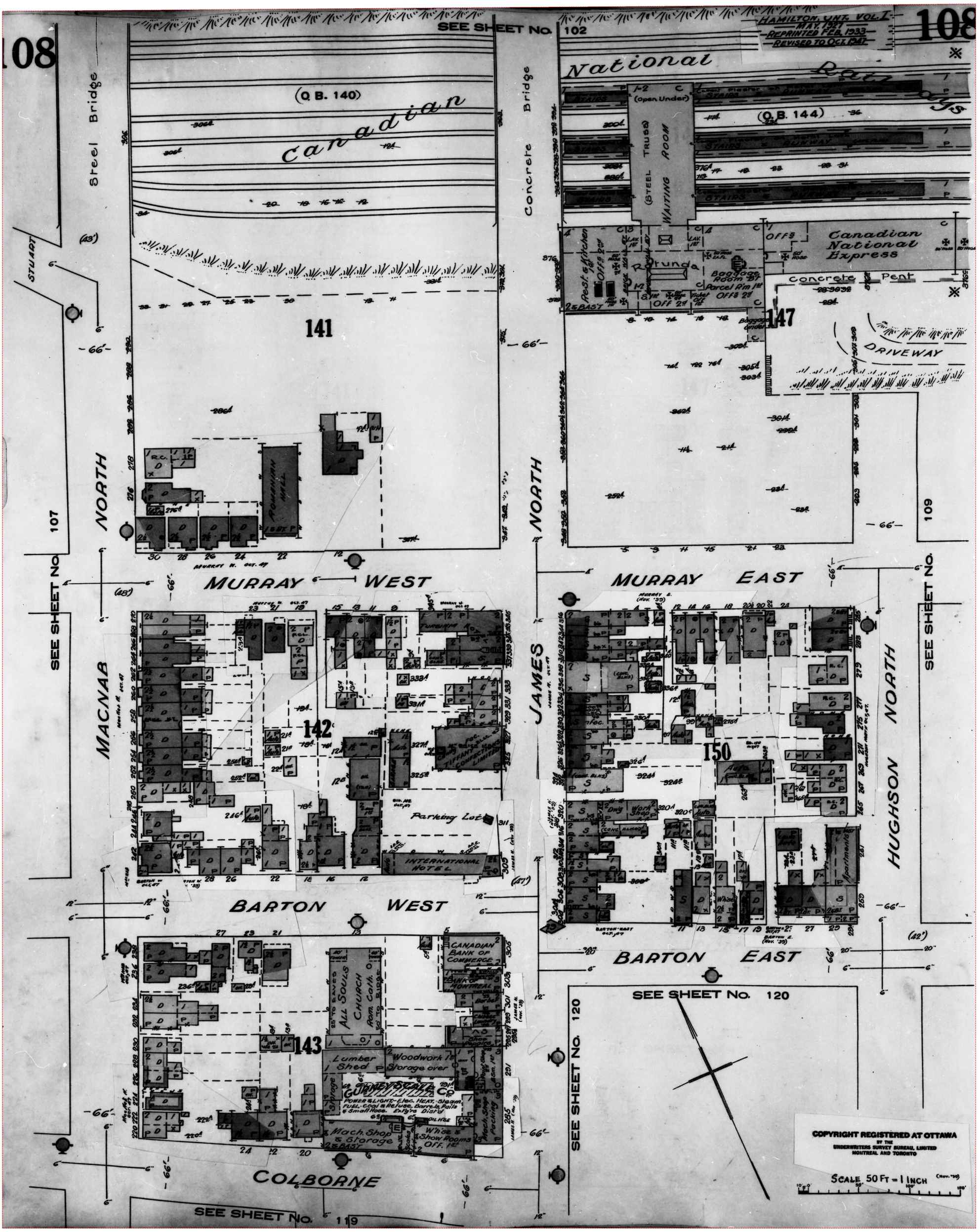

Project Name: Tiffany

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ENVIROSCAN Report

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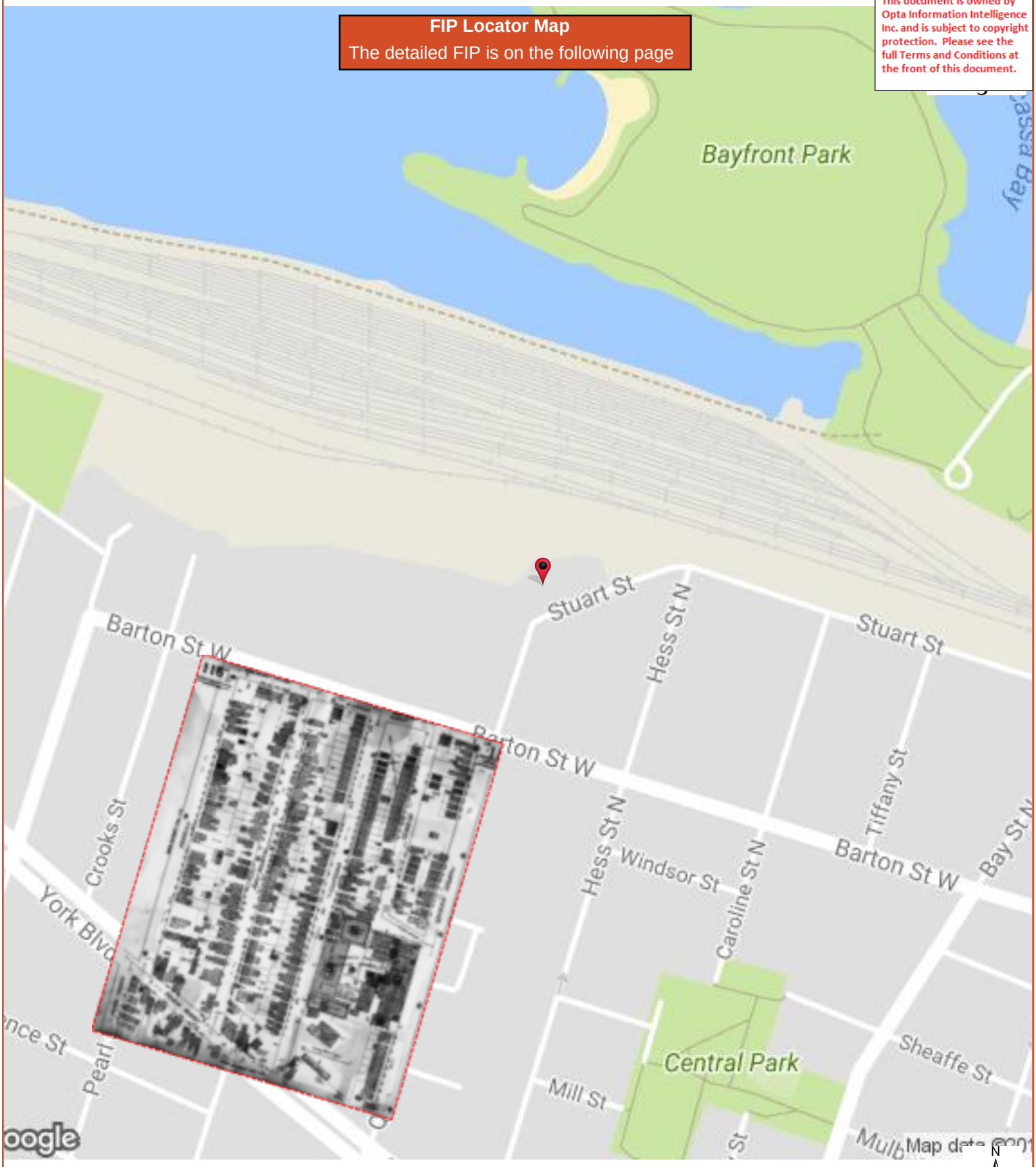

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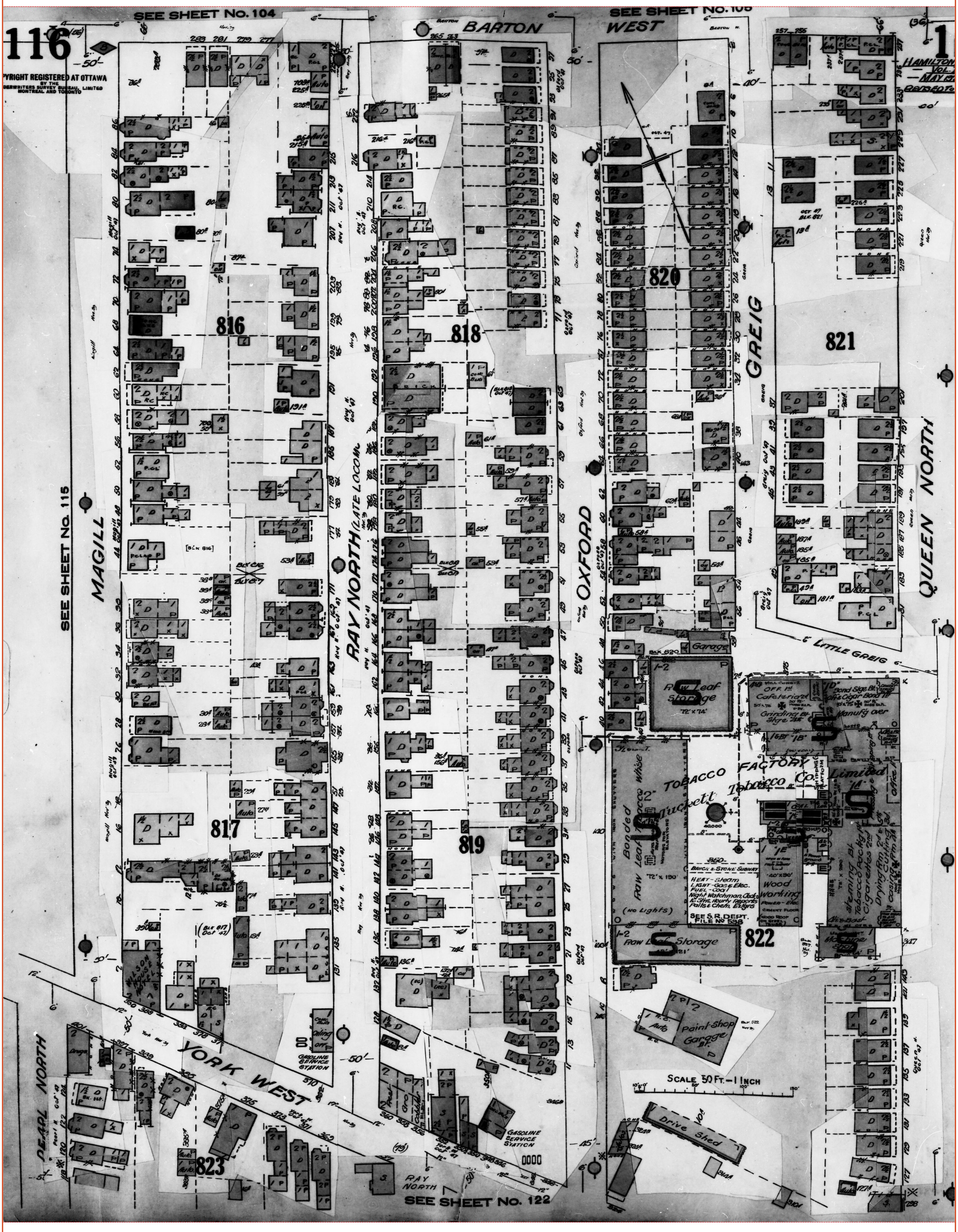

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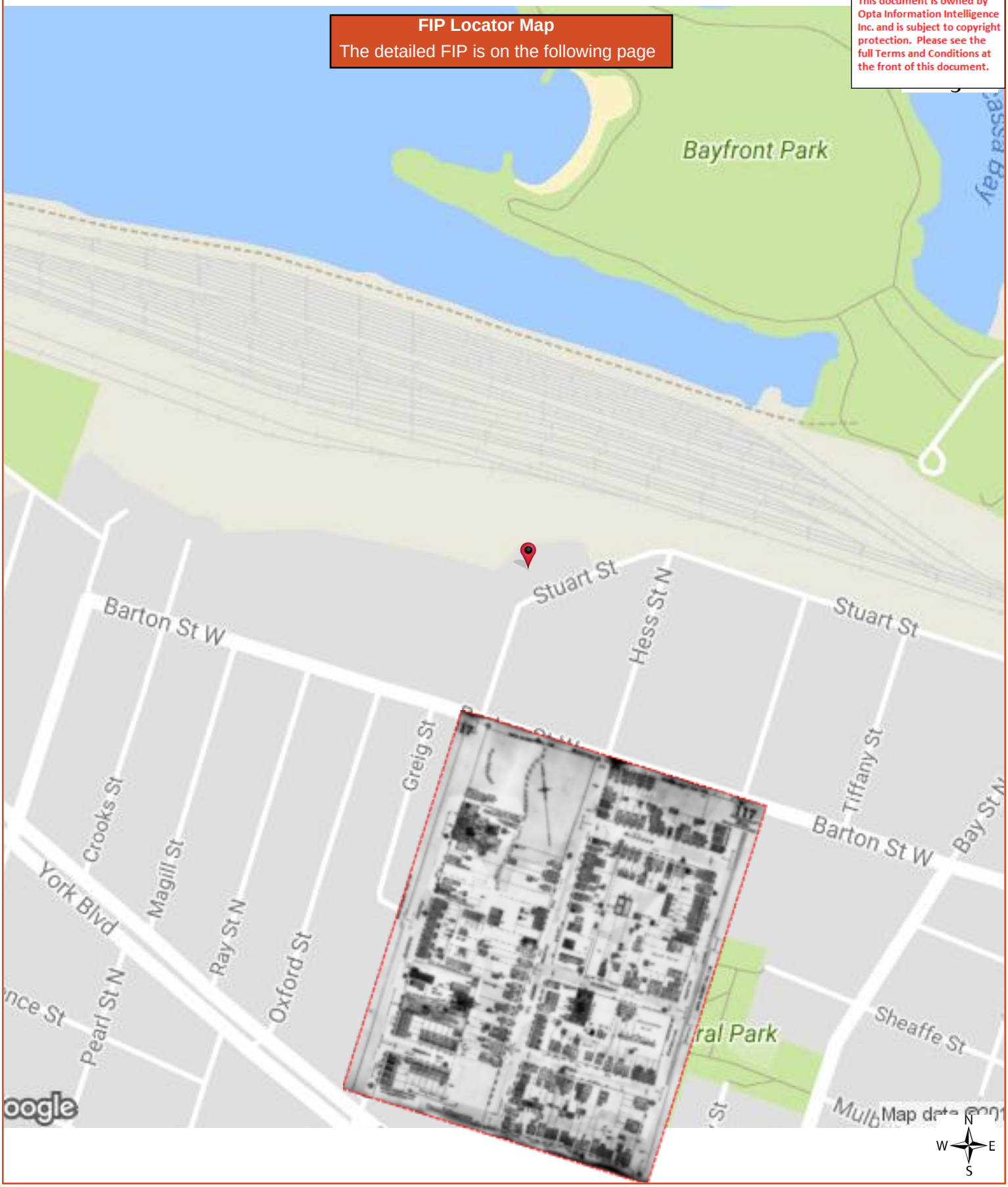

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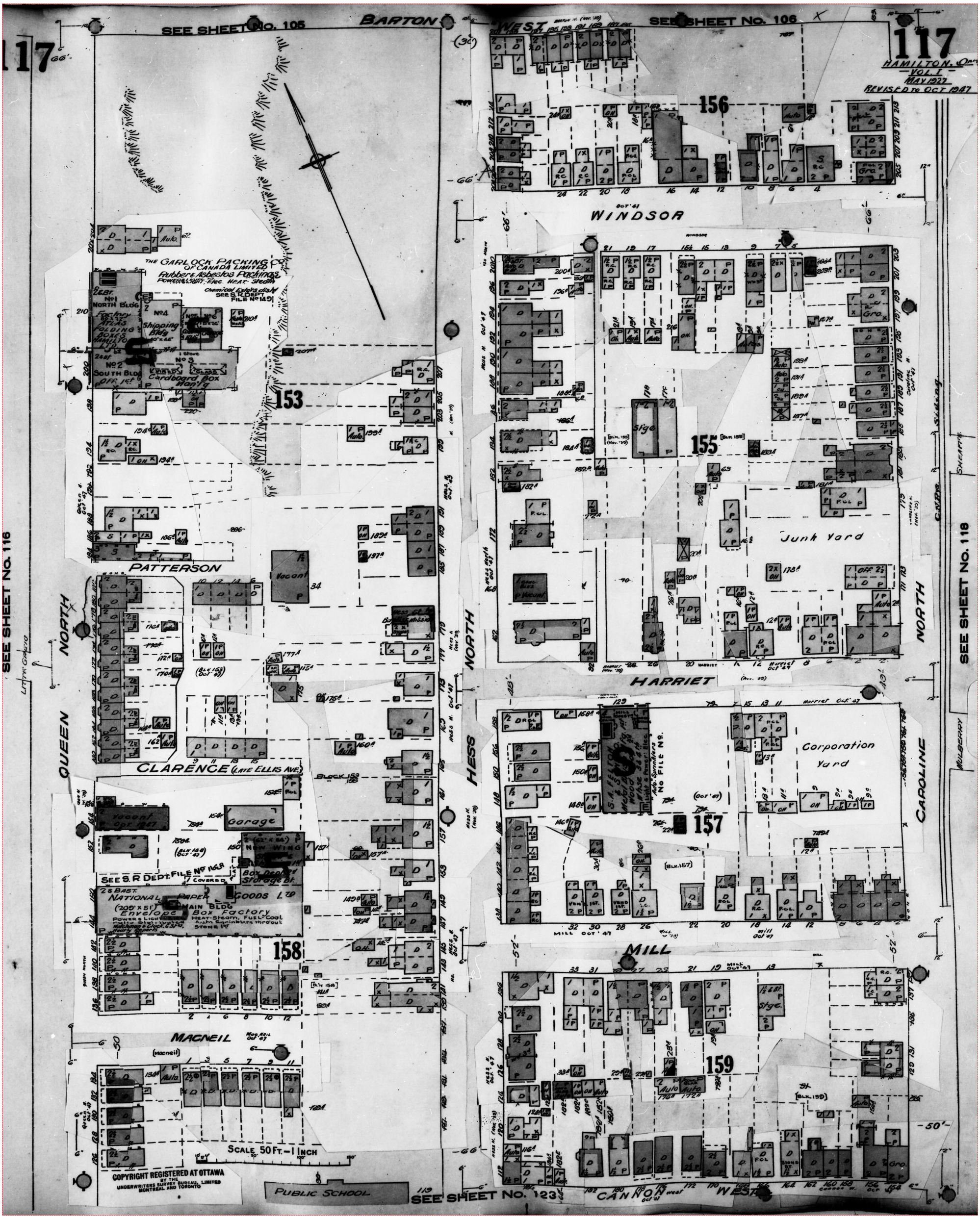

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ENVIROSCAN Report

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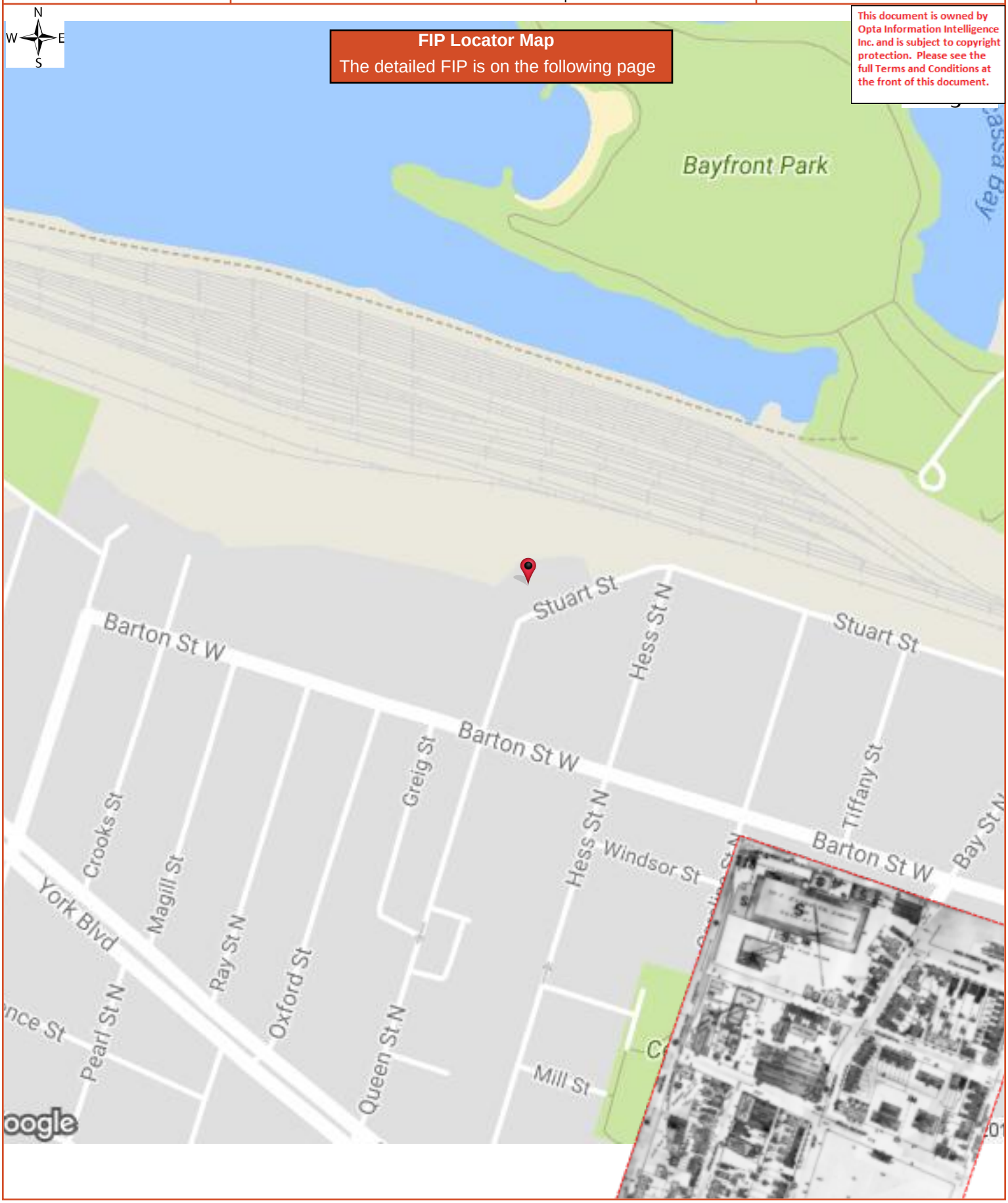

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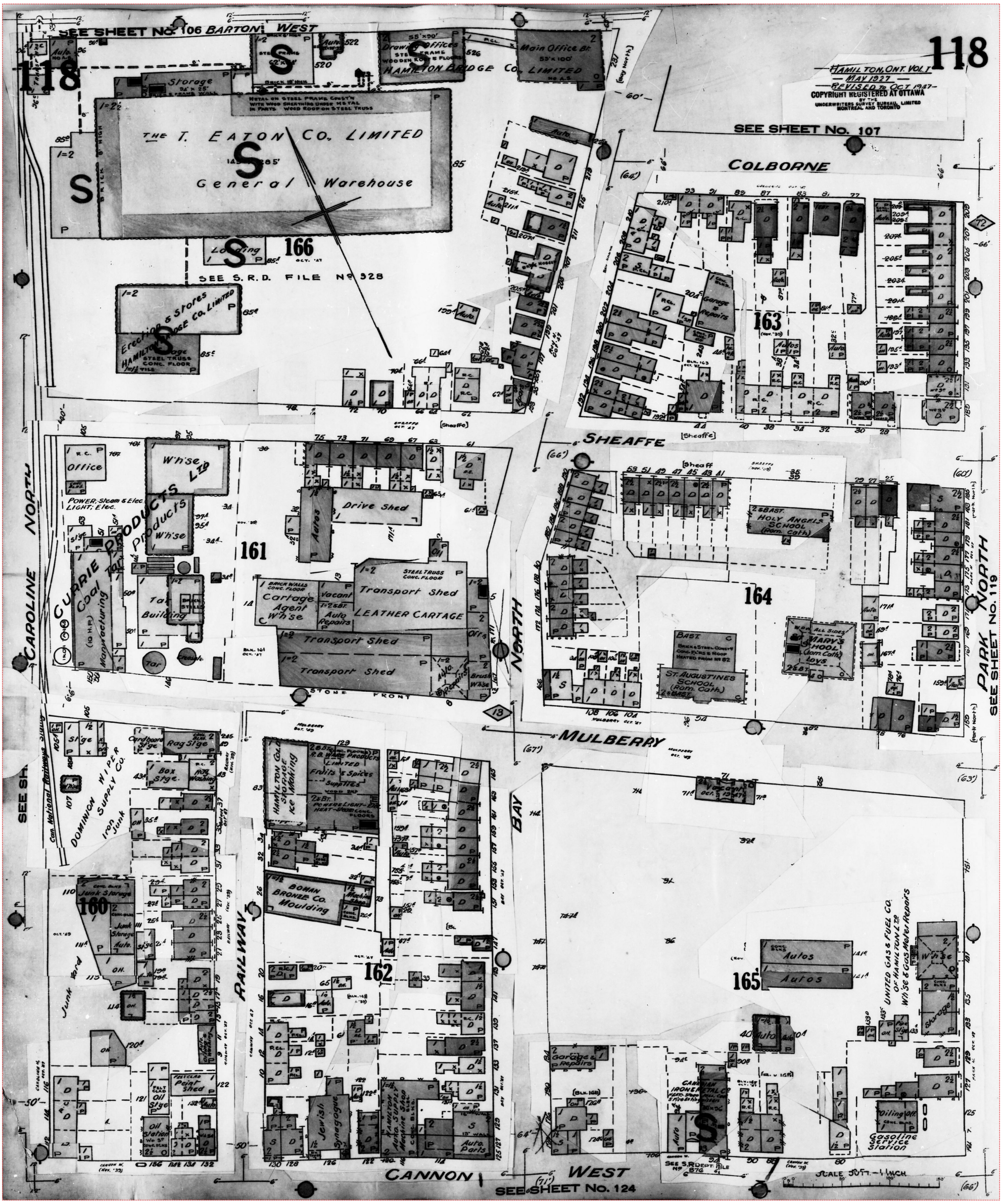

Project Name: Tiffany

Project #: TB171019
P.O. #: TB171019

ENVIROSCAN Report

1947 Volume: Ontario Firemap: 119
Hamilton Volume 1 Plan: 841 (1927)
Sheet: 119 (1947)

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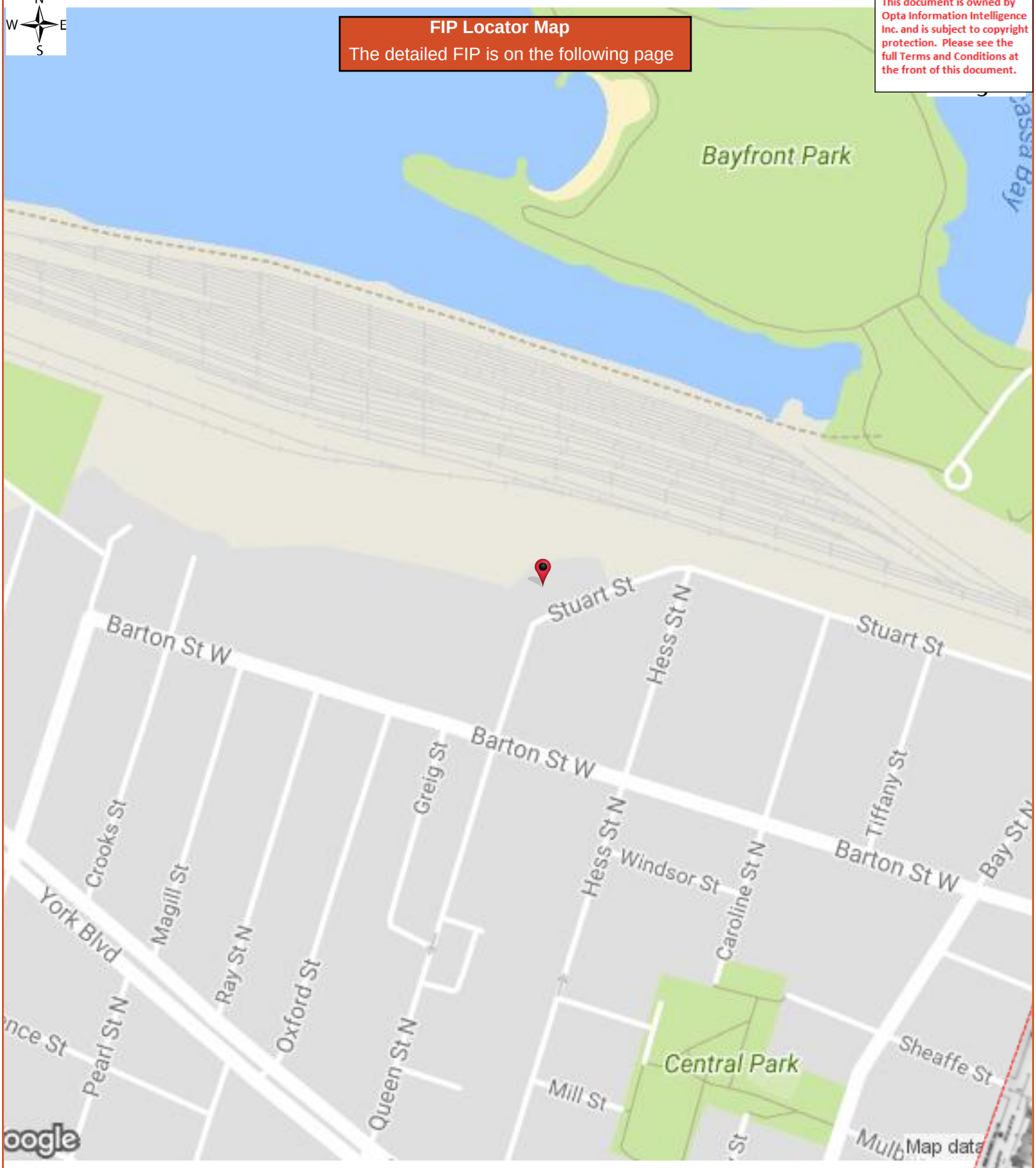

HEIRS Report

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Sheet: 119 (1947)

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Date Completed: 10/06/2017 11:41:27

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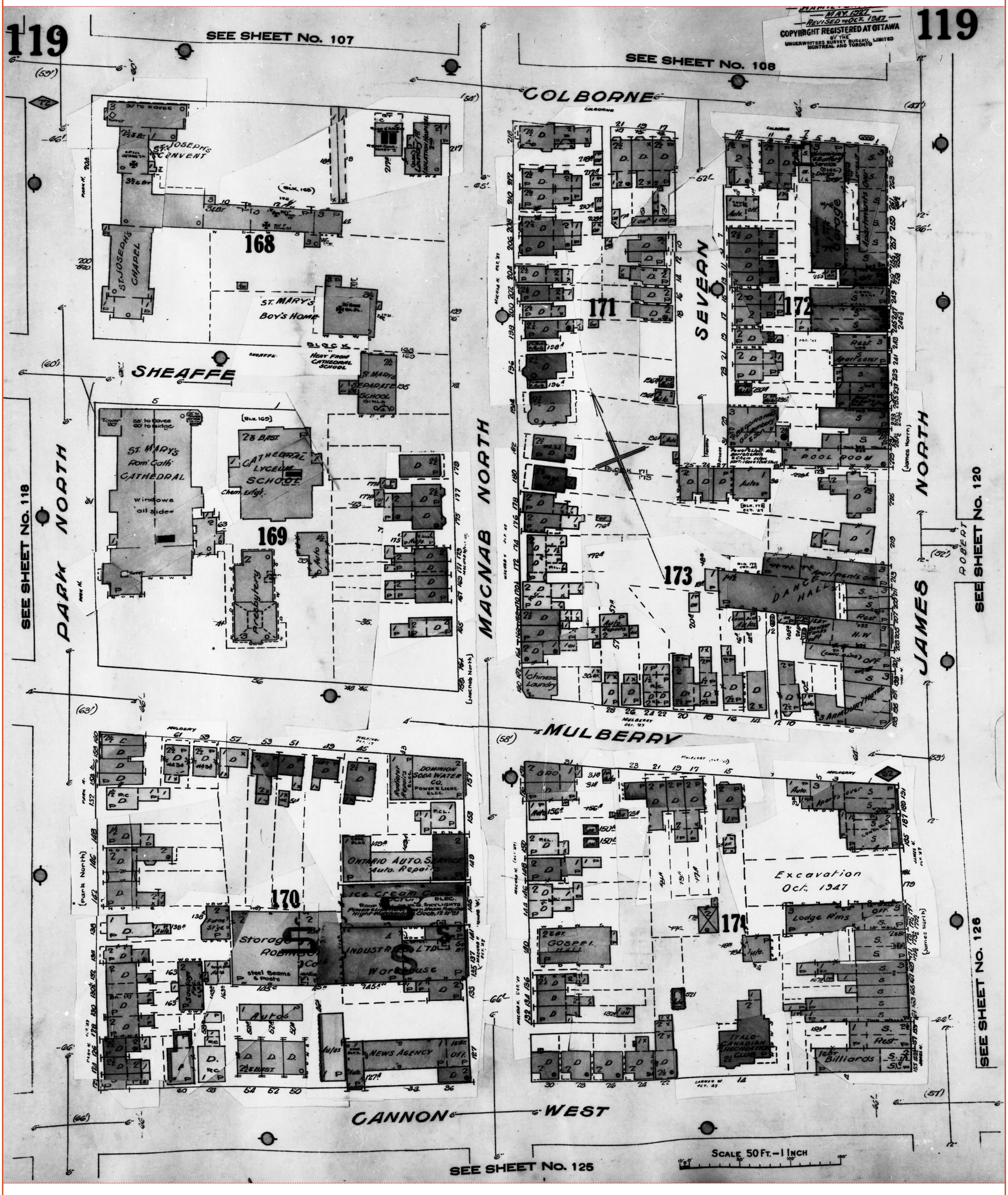

Project Name: Tiffany

Project #: TB171019
P.O. #: TB171019

ENVIROSCAN Report

1964 Volume: Hamilton 1 Firemap: 105
Hamilton Volume 1 Plan: 847 (1964)
Sheet: 105 (1964)

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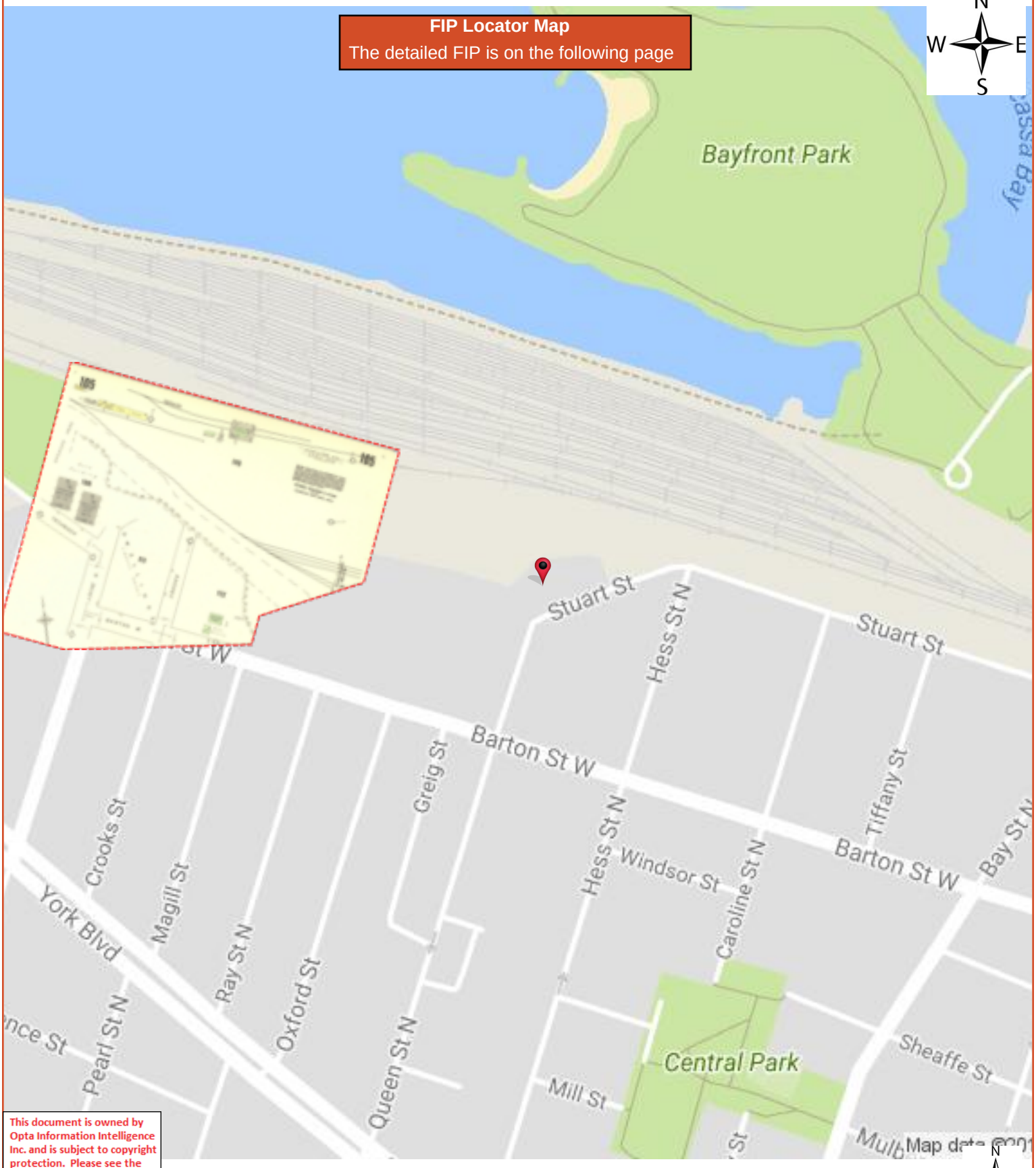

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HEIRS Report

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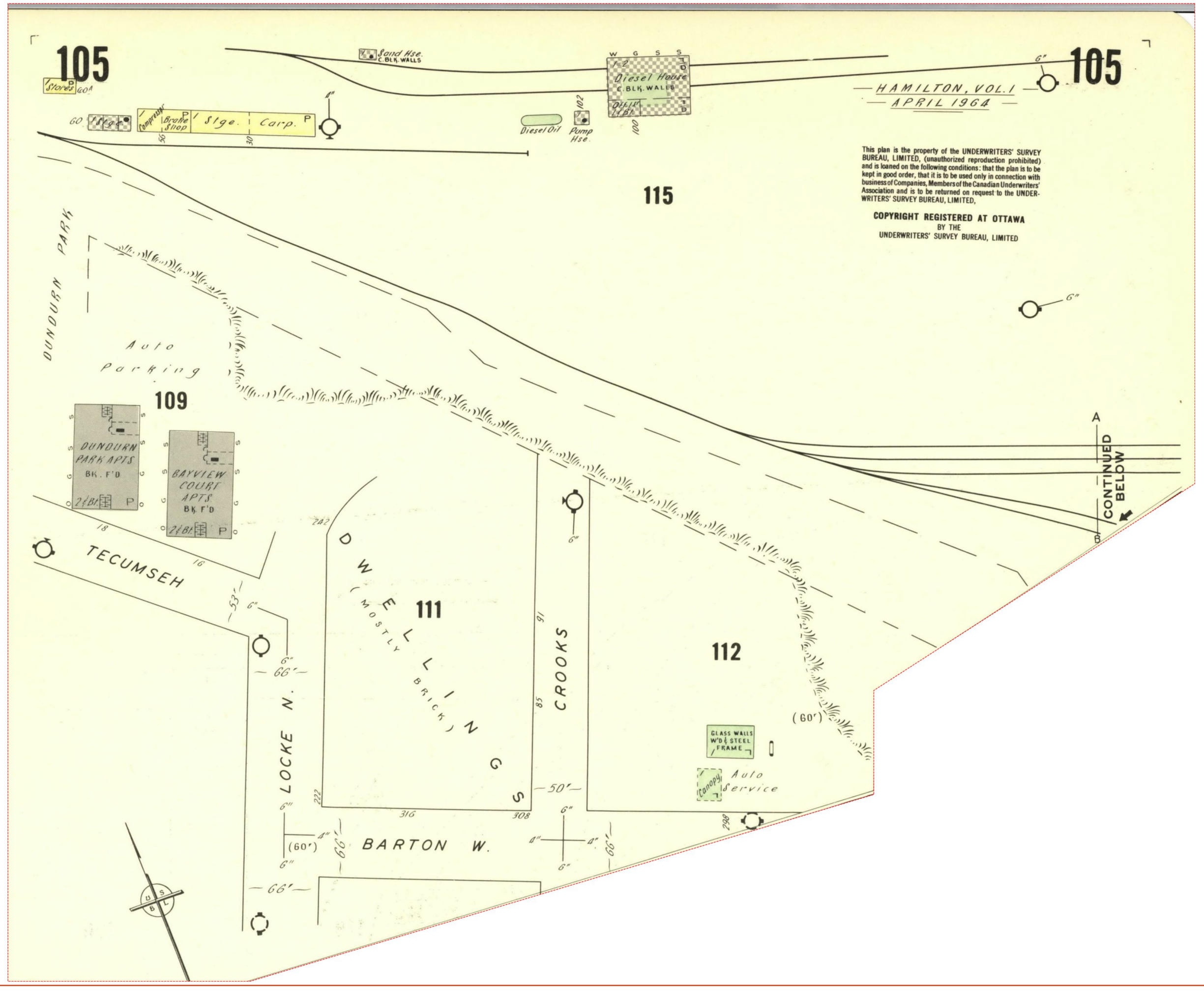
Project Name: Tiffany

Project #: TB171019
P.O. #: TB171019

1964 Volume: Hamilton 1 Firemap: 105
Hamilton Volume 1 Plan: 847 (1964)
Sheet: 105 (1964)



ENVIROSCAN Report

1964 Volume: Hamilton 1 Firemap: 105
Hamilton Volume 1 Plan: 847 (1964)
Sheet: 105 (1964)

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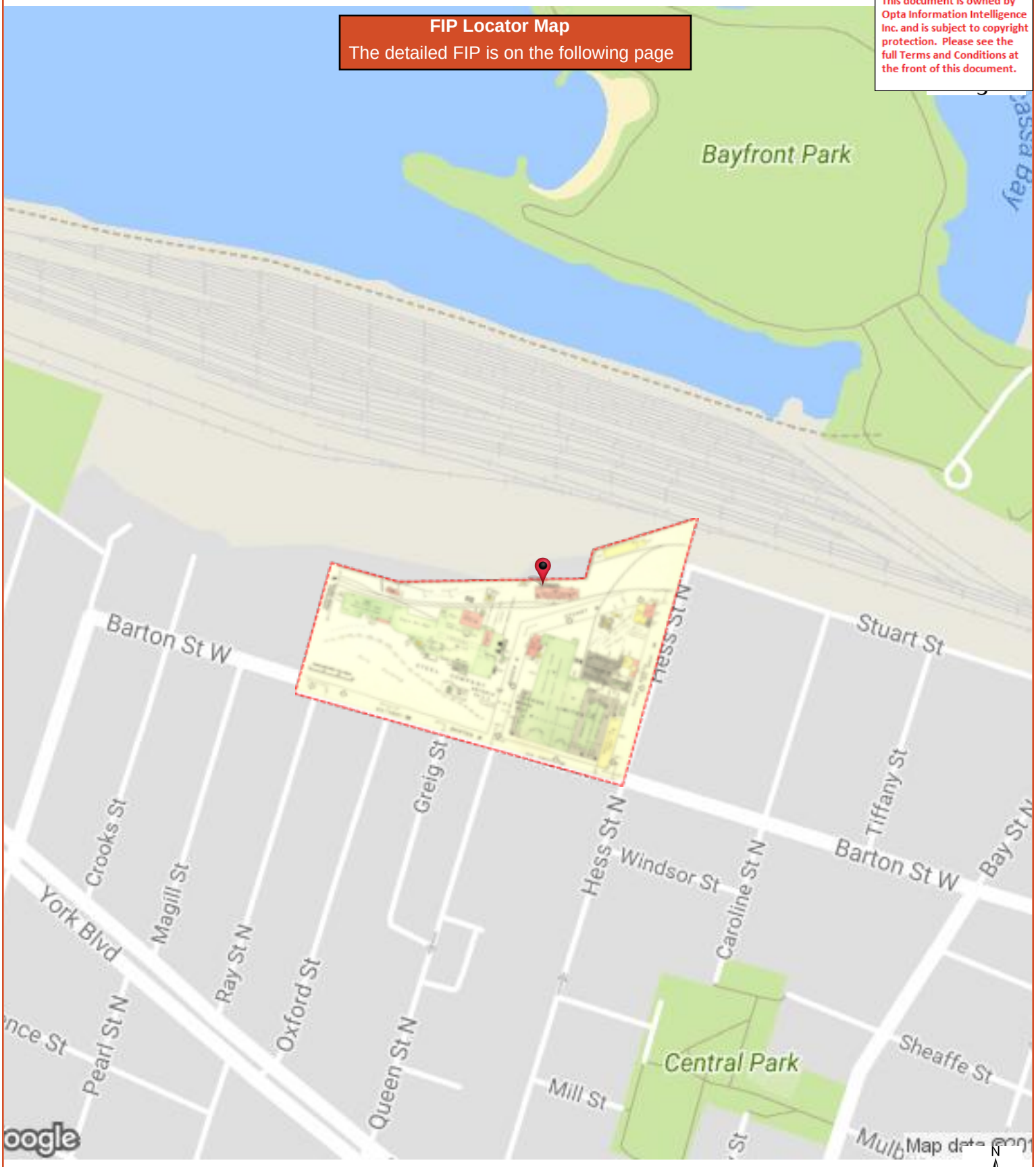

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1964 Volume: Hamilton 1 Firemap: 105
Hamilton Volume 1 Plan: 847 (1964)
Sheet: 105 (1964)

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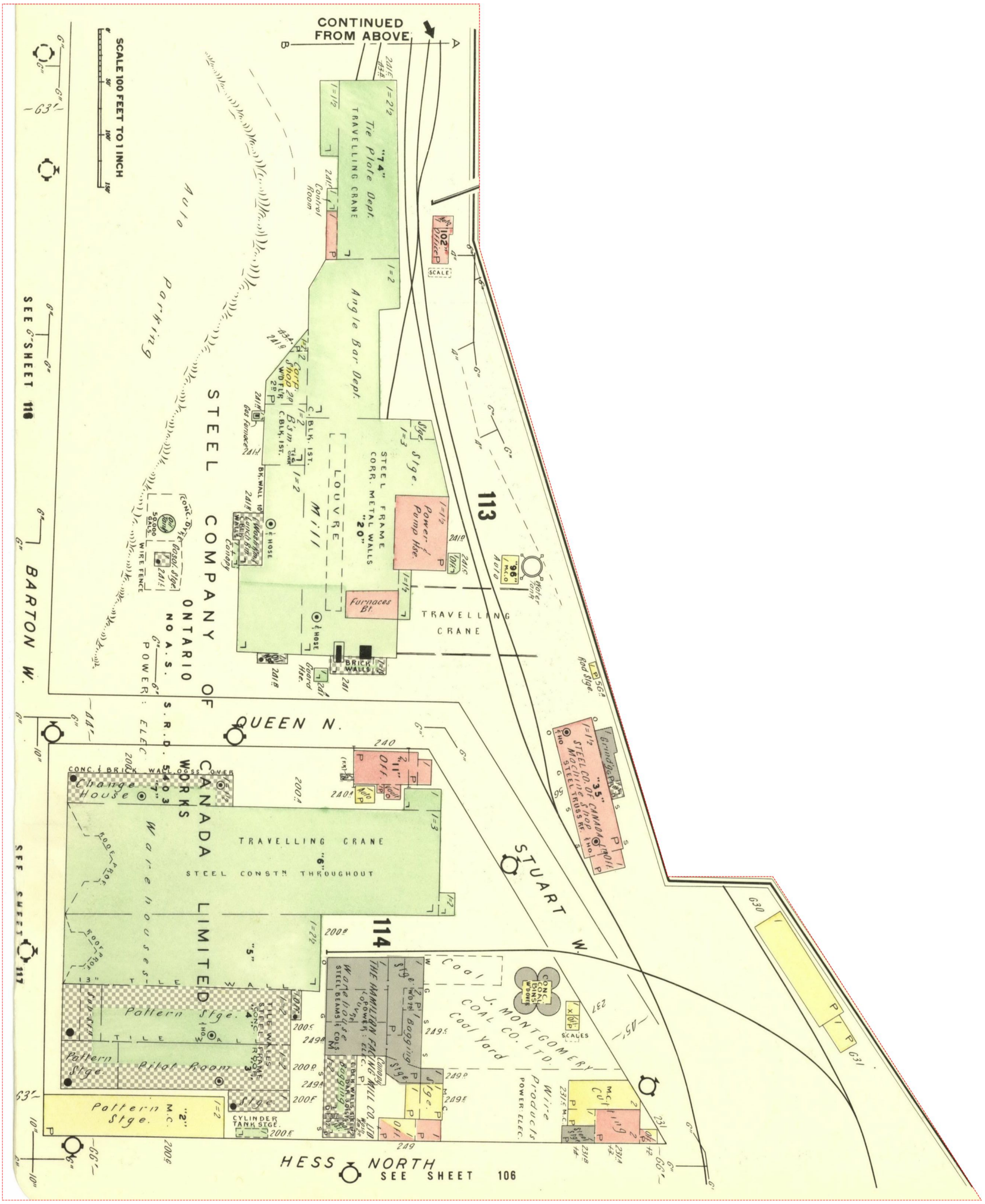
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SCALE 100 FEET TO 1 INCH
SEE SHEET 116
STEEL COMPANY OF CANADA LIMITED
BARTON W.
QUEEN N.
STUART W.
HESS NORTH
SEE SHEET 106
SEE SHEET 117
113
114
Angle Bar Dept.
Tie Plate Dept.
"74"
TRAVELLING CRANE
Power & Pump Hse.
Furnaces Bf.
STEEL FRAME CORR. METAL WALLS "20"
LOUVRE
Mill
Corp. Shop 20
Stge.
Parking
Change House
TRAVELLING CRANE
STEEL CONSTN THROUGHOUT
"6"
"5"
Pattern Stge.
Pattern Stge.
Pilot Room
Stge.
Pattern Stge.
"2"
M.C.
CYLINDER TANK STGE.
TILE WALLS
THE HAMILTON FACING MILL CO. LTD.
Wire Products
Coal
J. MONTGOMERY COAL CO. LTD.
Coal Yard
SCALES
Off.
"35" CANADA CO. OF CANADA MACHINE SHOP STEEL TRUSS RE.
"96"
Water Tank
Furnace
Office
Road Stge.
Grinding Plant
Cut'g
Boiler House
Coal Bins
Gas Producers
Power Elec.
Steel Frame Corr. Metal Walls
Louvre
Mill
Bk. Wall
Brick Walls
Wire Fence
Concr. Dyke
Fuel Stge.
Lunch Rm.
Locker Rms.
Condy
Gas Furnaces
Bk. Wall
Coal Stge.
Boiler Hse.
Guard Hse.
Oil
Water
Hose
Concr. & Brick Wall
Loggs Cover
Roof Apron
Tile Wall
Concr. Coal Bins
Scales
Cooling Stge.
Steel Beams & Cols
Brick Walls
Steel Frame
Concr. Floor
Roof Apron
Tile Walls
Steel Frame
Concr. Floor
Cooling Stge.
Steel Beams & Cols
Brick Walls
Steel Frame
Concr. Floor
Roof Apron
Tile Walls
Steel Frame
Concr. Floor
Roof Apron
Tile Walls
Steel Frame
Concr. Floor
Roof Apron
Tile

Project Name: Tiffany

Project #: TB171019
P.O. #: TB171019

ENVIROSCAN Report

1964 Volume: Hamilton 1 Firemap: 106
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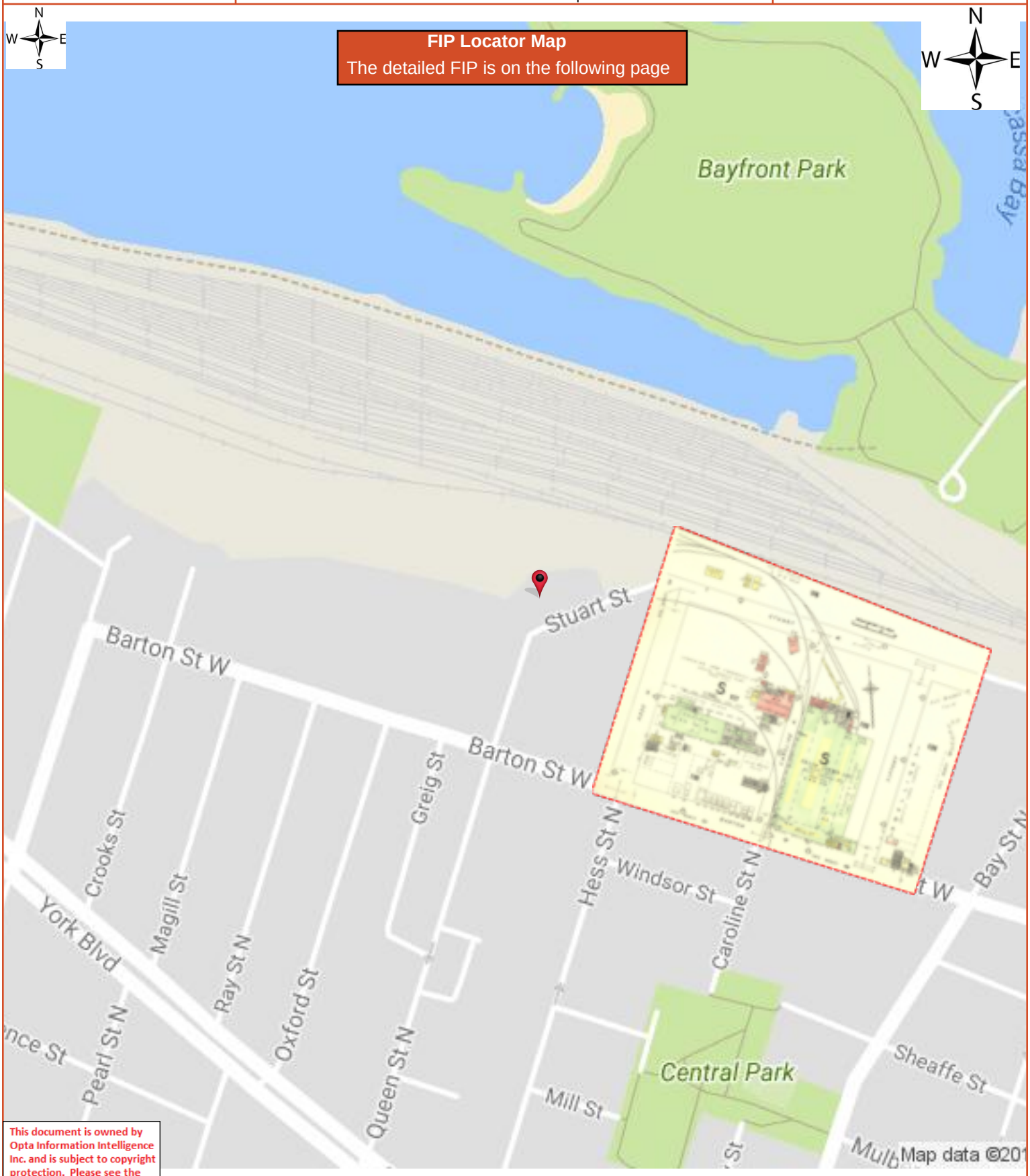

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Hamilton Volume 1 Plan: 847 (1964)
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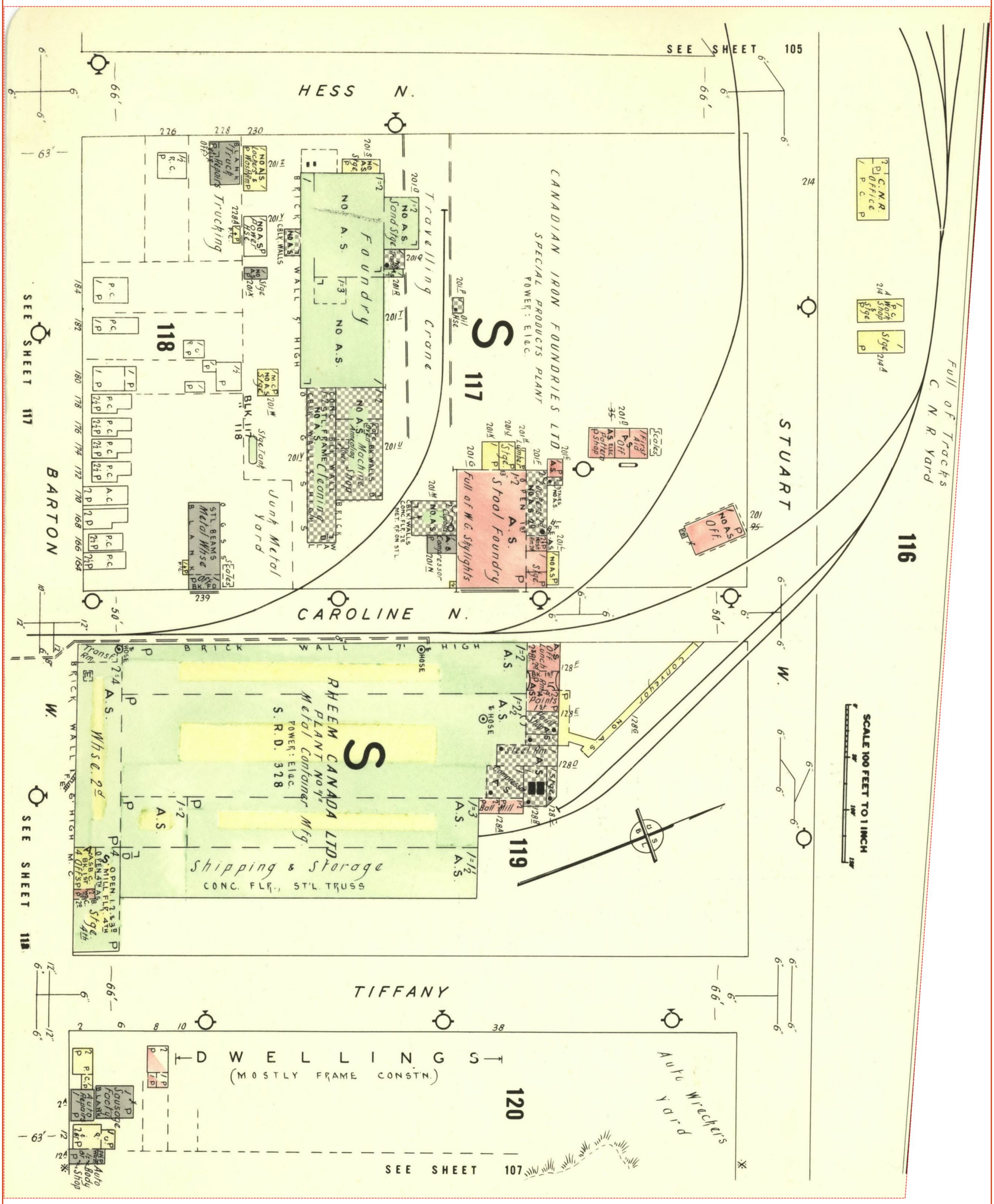

Project Name: Tiffany

Project #: TB171019
P.O. #: TB171019

ENVIROSCAN Report

1964 Volume: Hamilton 1 Firemap: 107
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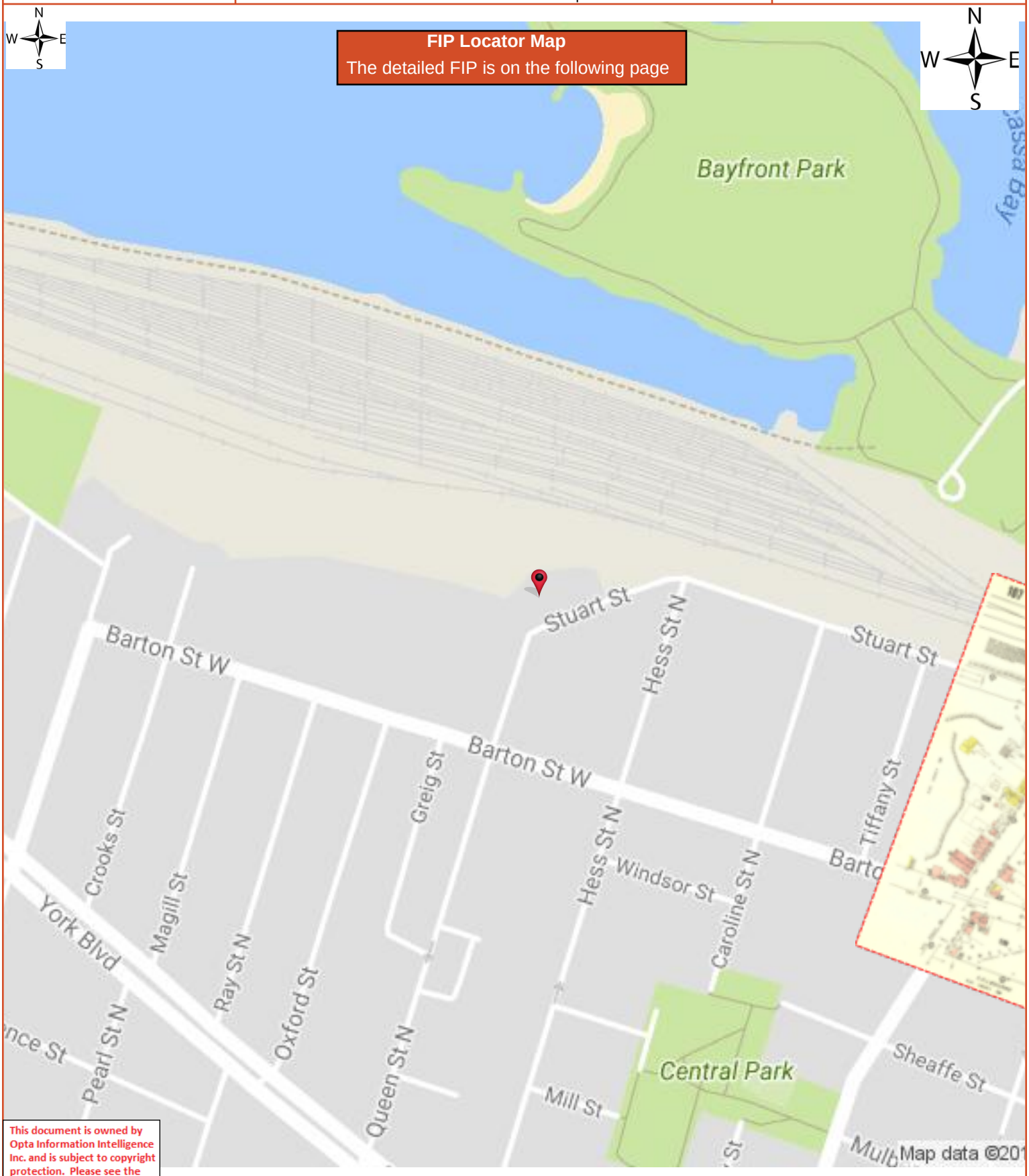

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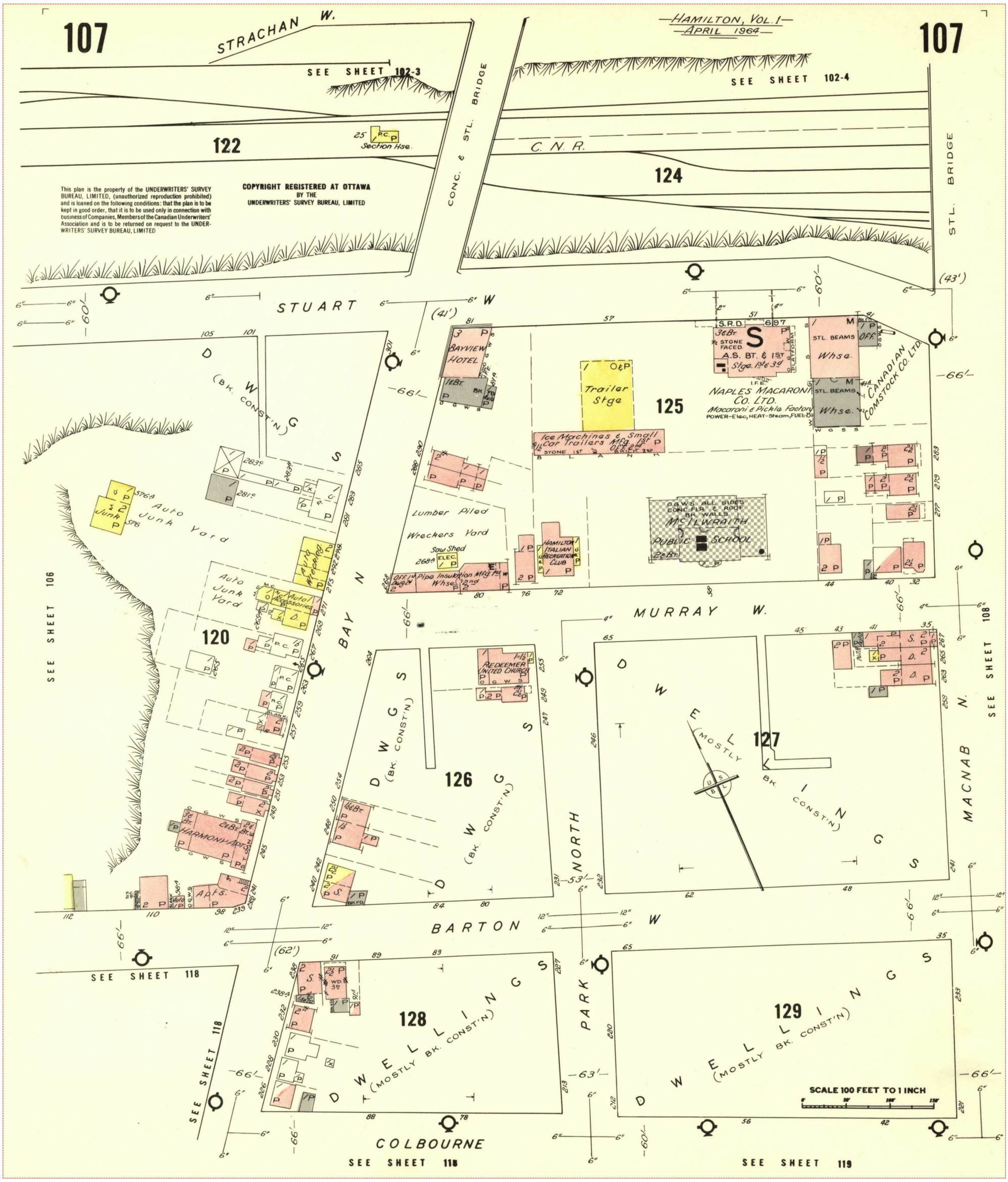

Project Name: Tiffany

Project #: TB171019
P.O. #: TB171019

ENVIROSCAN Report

1964 Volume: Hamilton 1 Firemap: 108
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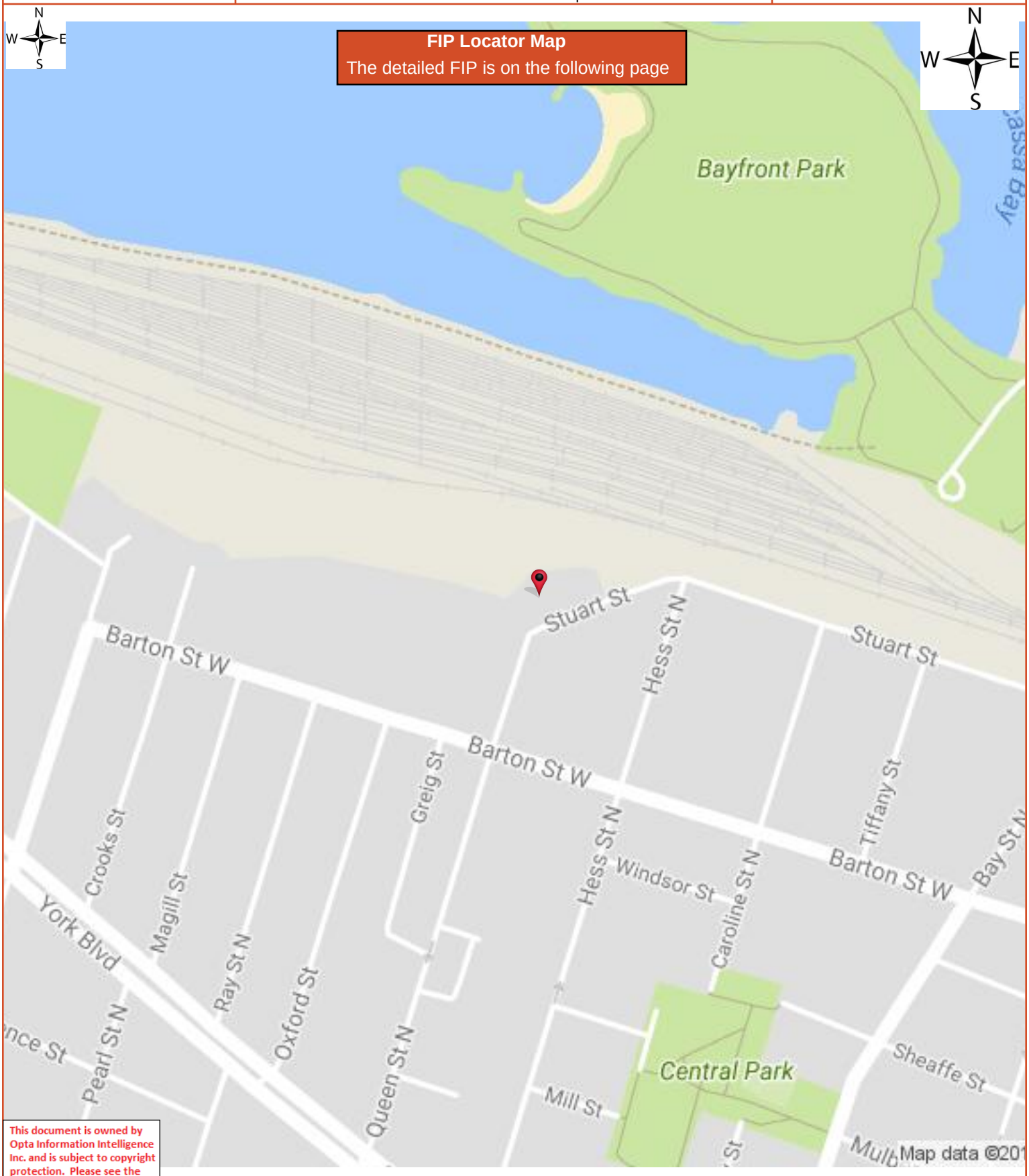

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Sheet: 108 (1964)

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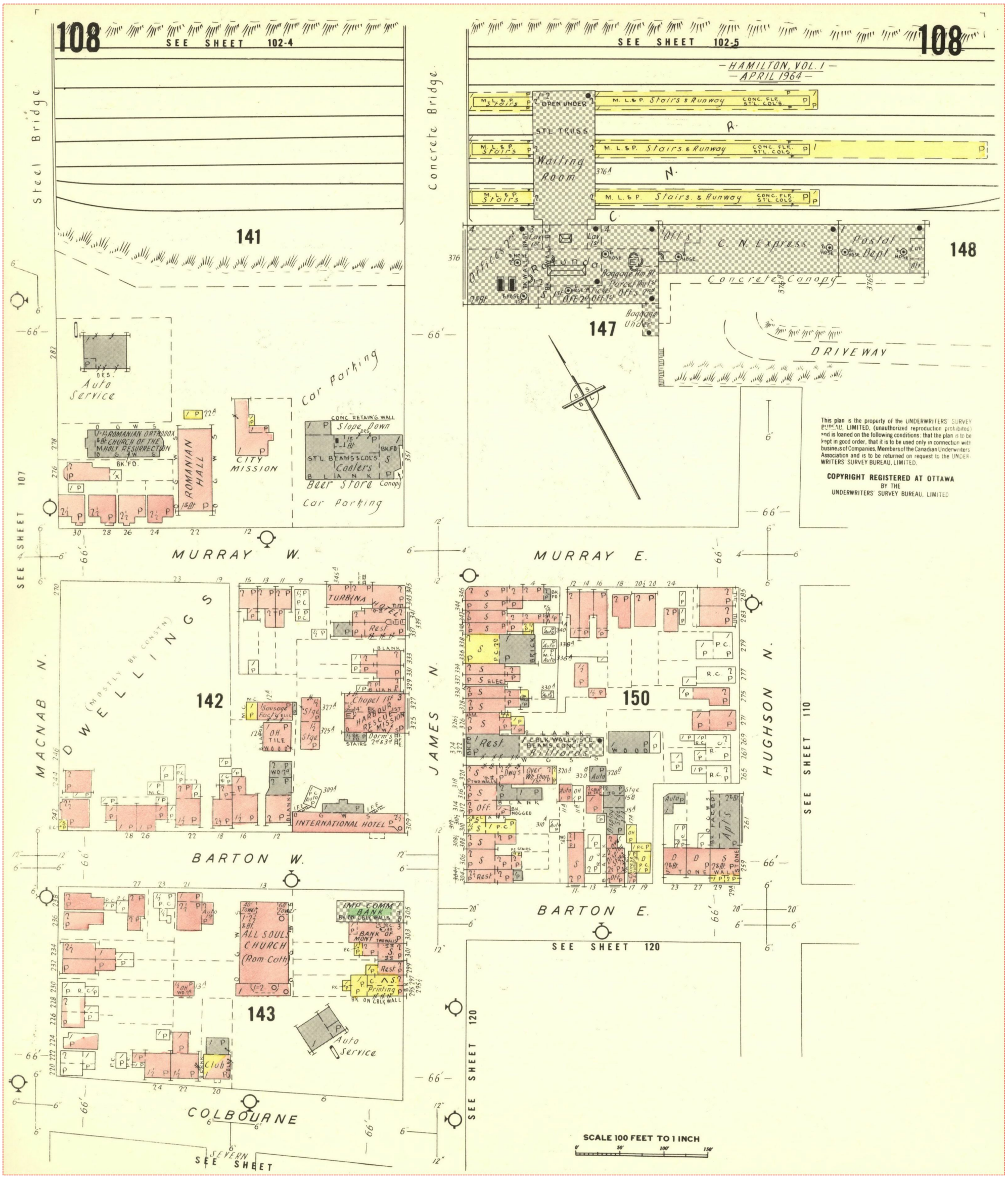

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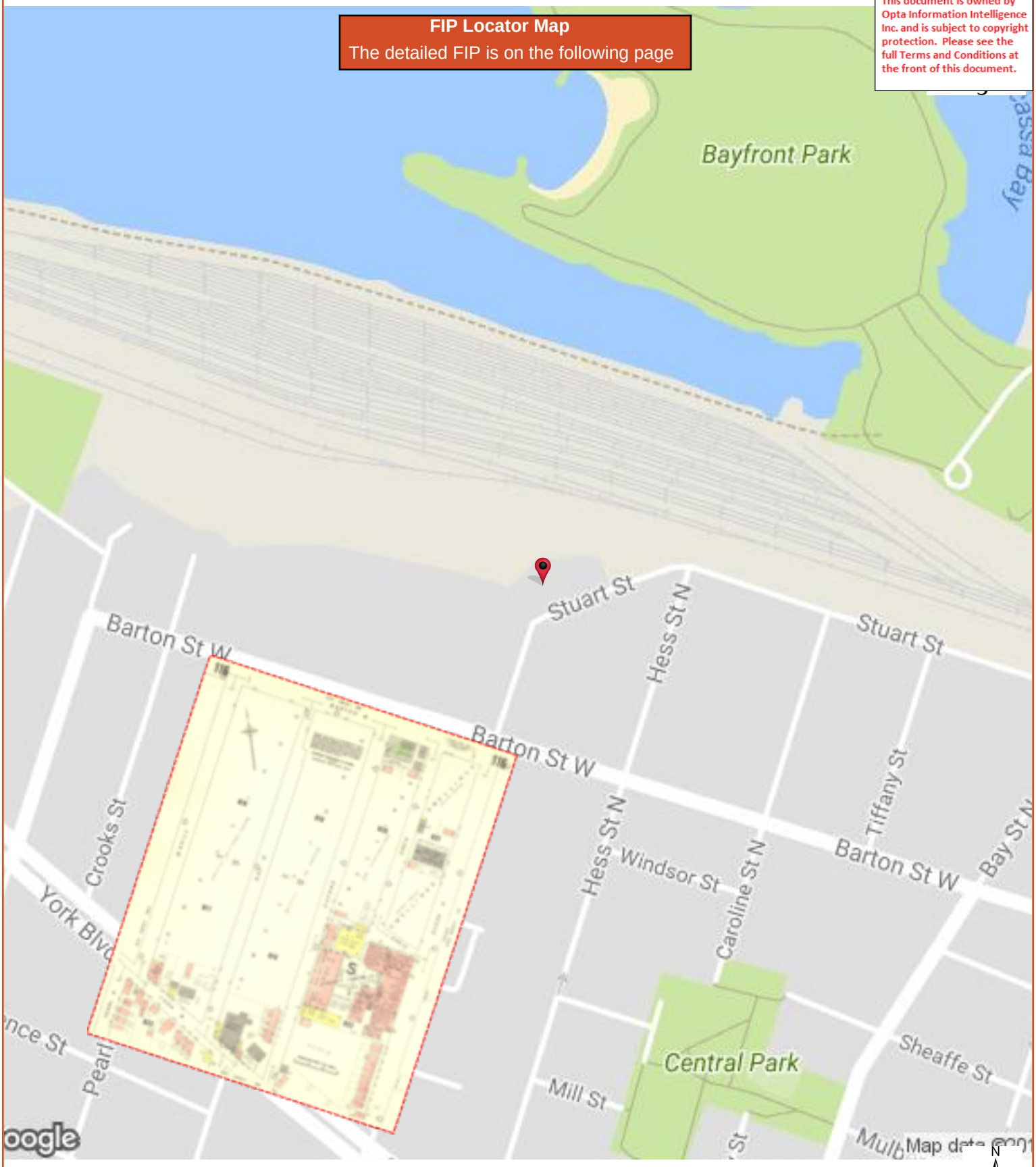

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1964 Volume: Hamilton 1 Firemap: 116
Hamilton Volume 1 Plan: 847 (1964)
Sheet: 116 (1964)

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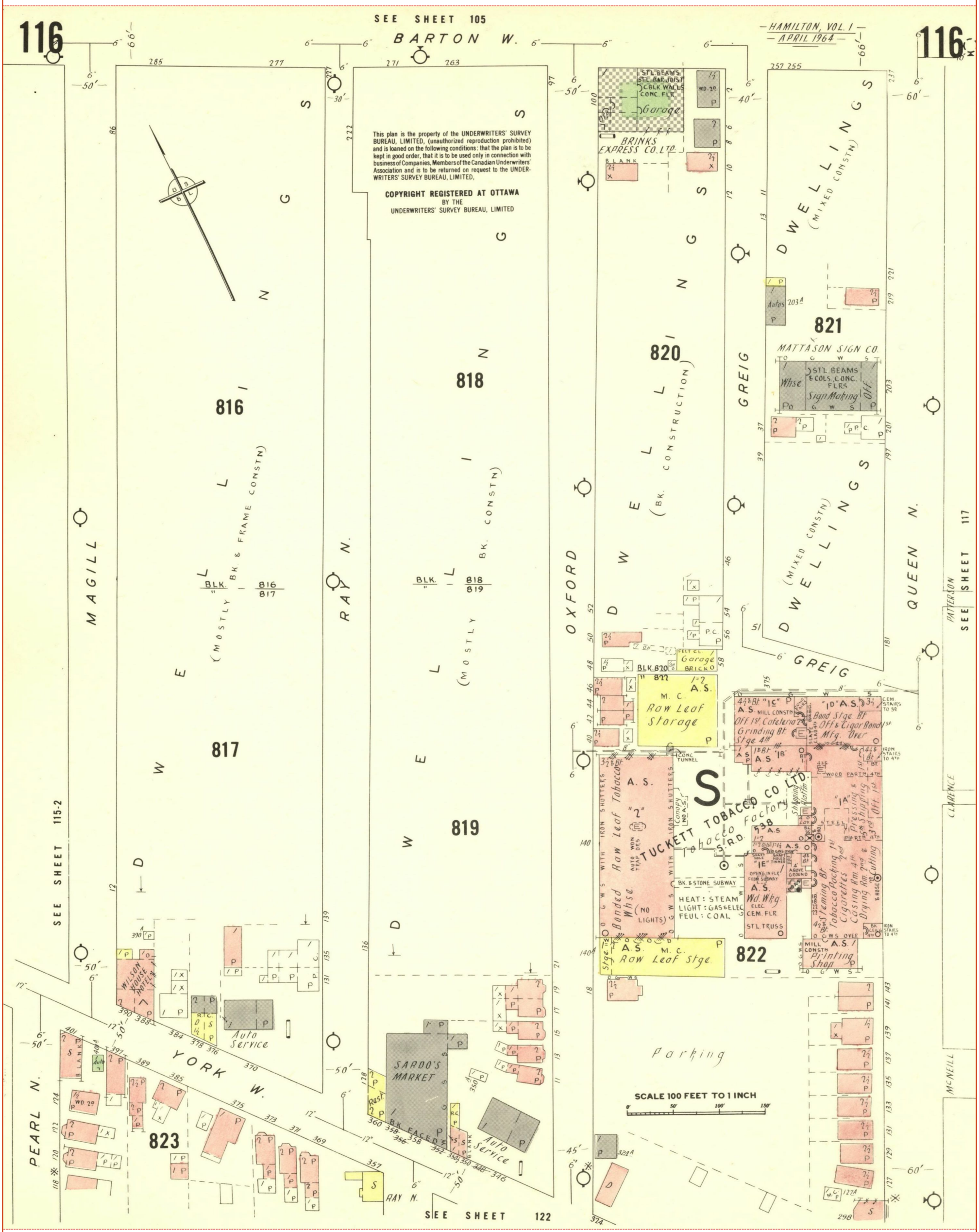

Project Name: Tiffany

Project #: TB171019
P.O. #: TB171019

ENVIROSCAN Report

1964 Volume: Hamilton 1 Firemap: 117
Hamilton Volume 1 Plan: 847 (1964)
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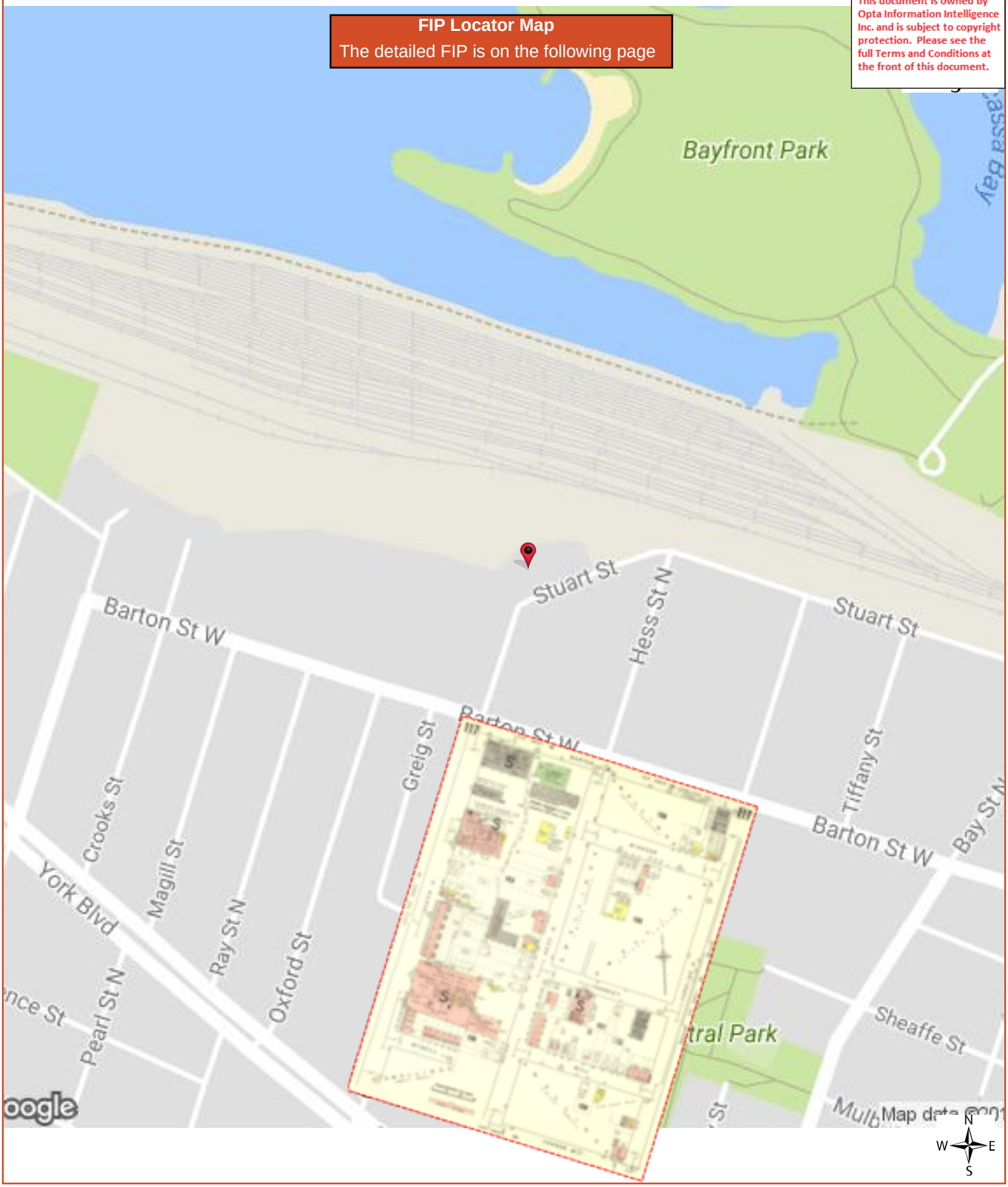

HEIRS Report

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Hamilton Volume 1 Plan: 847 (1964)
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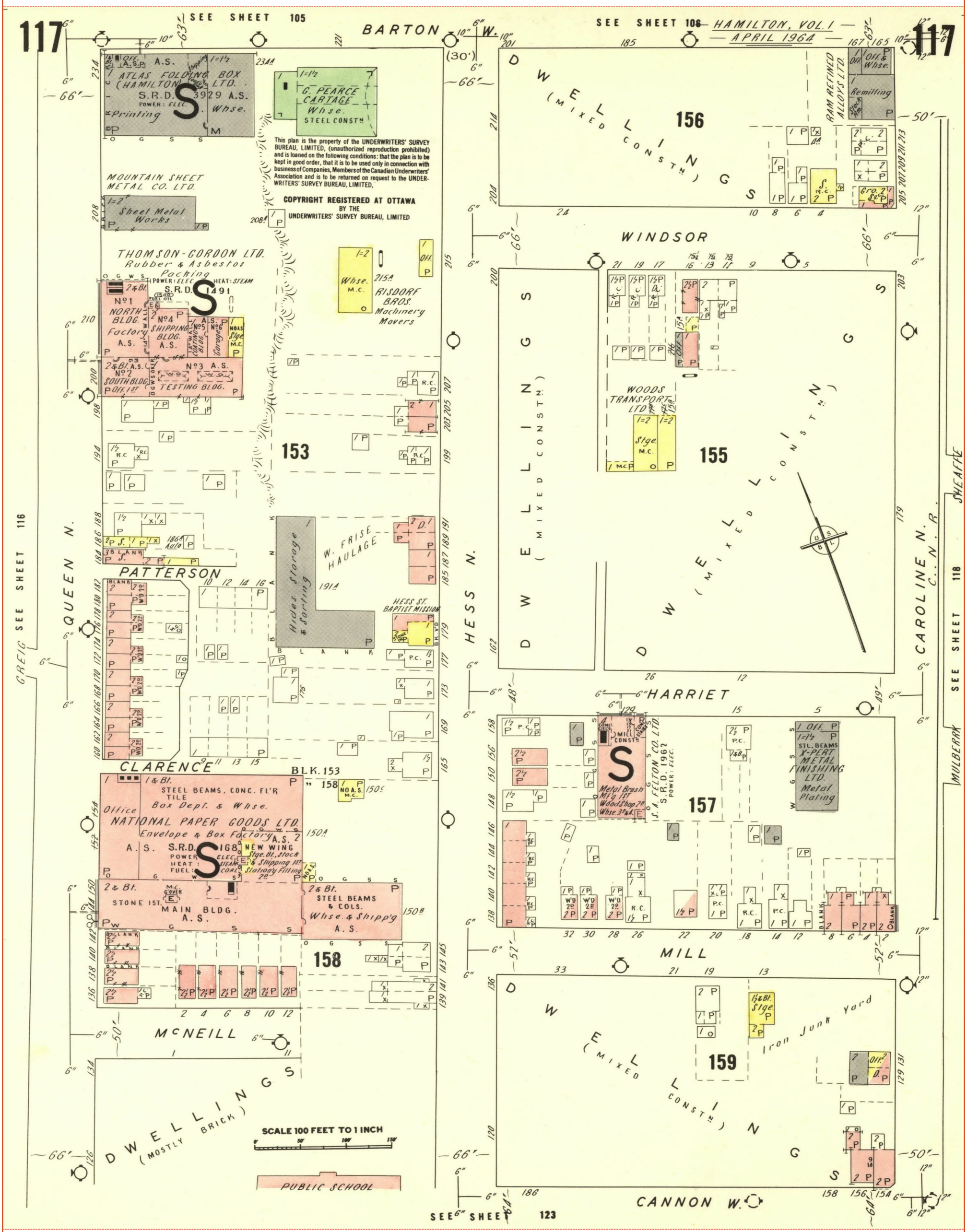

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Project #: TB171019
P.O. #: TB171019

ENVIROSCAN Report

1964 Volume: Hamilton 1 Firemap: 118
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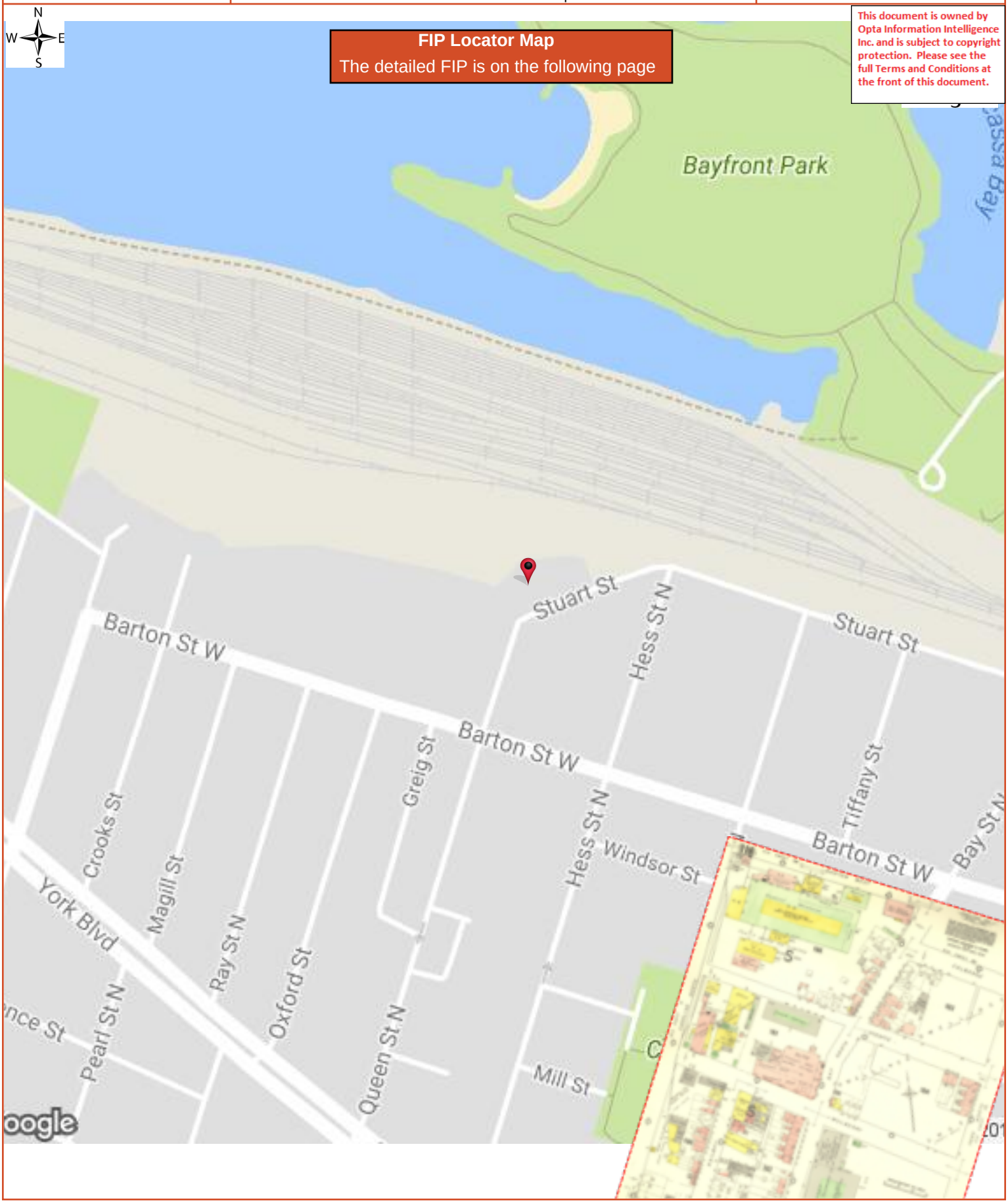

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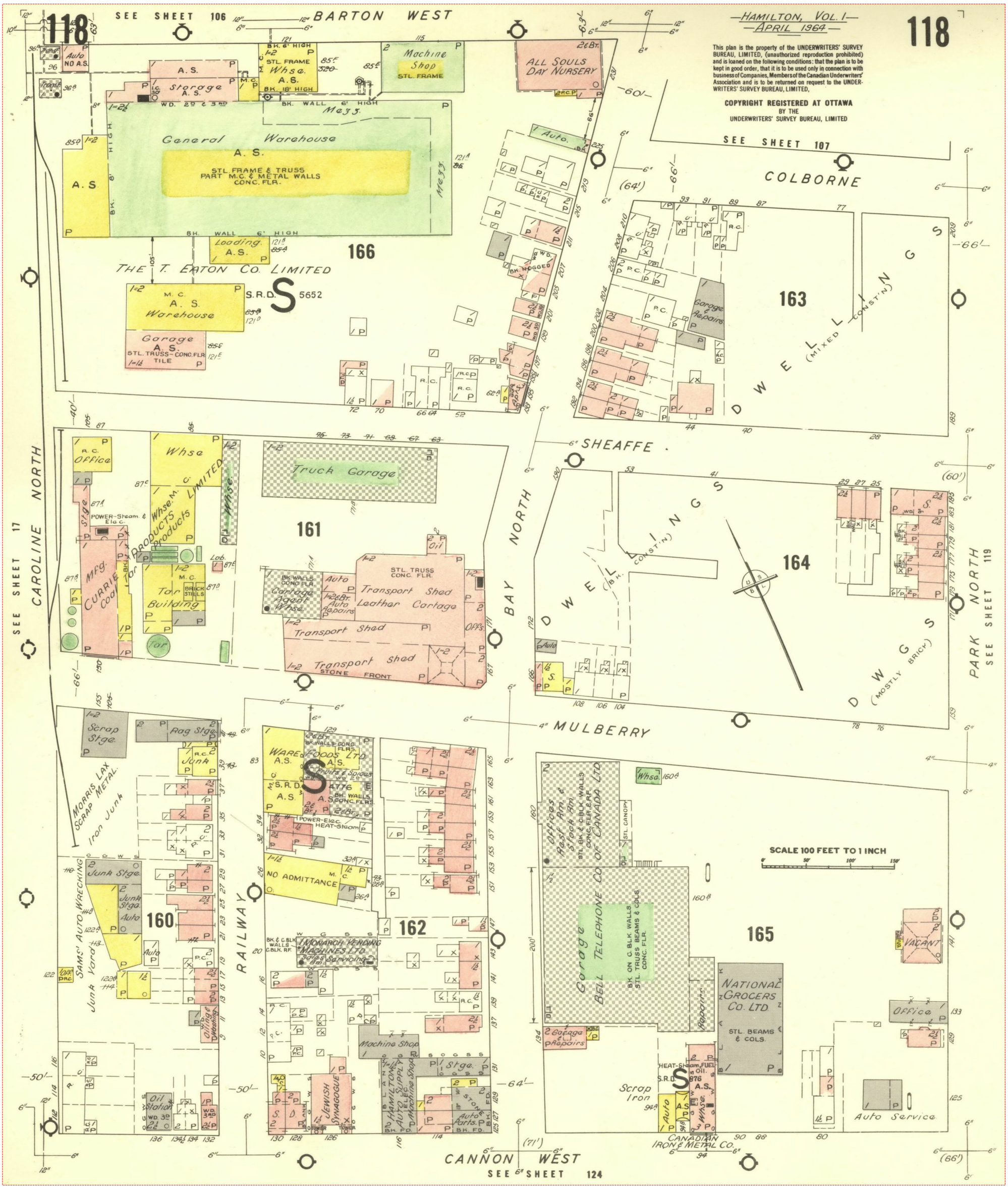

Project Name: Tiffany

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ENVIROSCAN Report

1964 Volume: Hamilton 1 Firemap: 119
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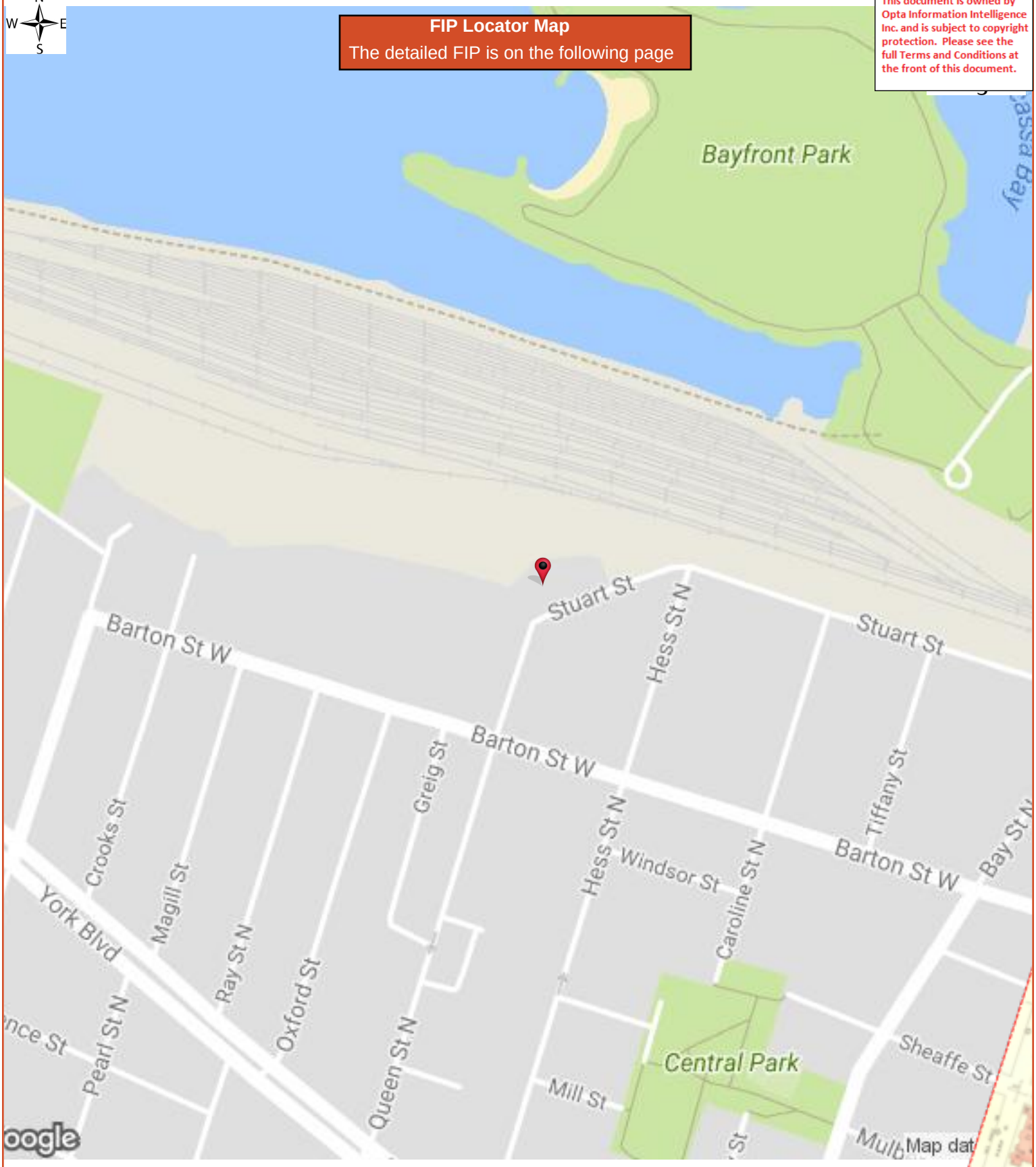

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Hamilton Volume 1 Plan: 847 (1964)
Sheet: 119 (1964)

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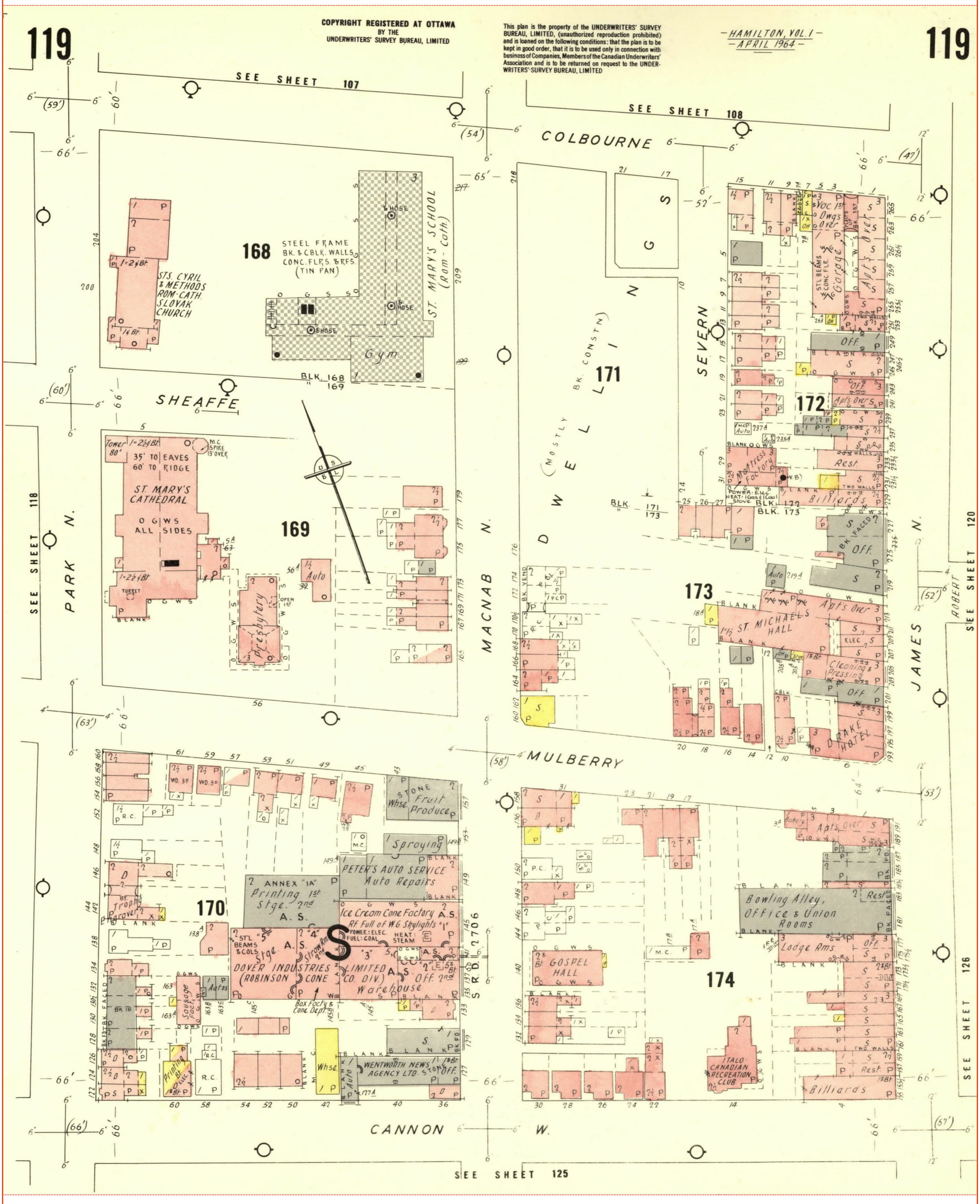

Project Name: Tiffany

Project #: TB171019
P.O. #: TB171019

ENVIROSCAN Report

1964 Volume: Hamilton 1 Firemap: 102-3
Hamilton Volume 1 Plan: 847 (1964)
Sheet: 102-3 (1964)

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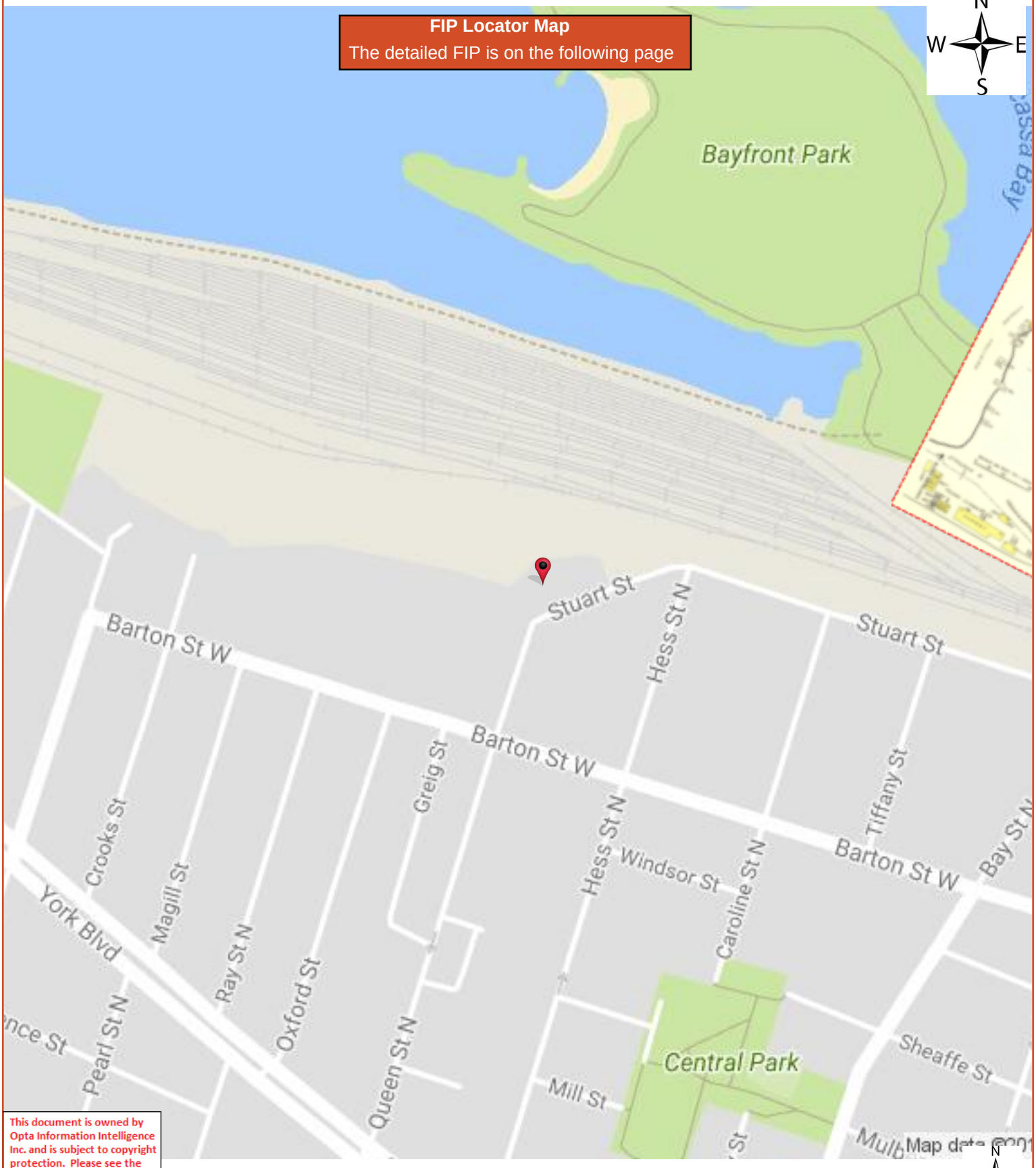

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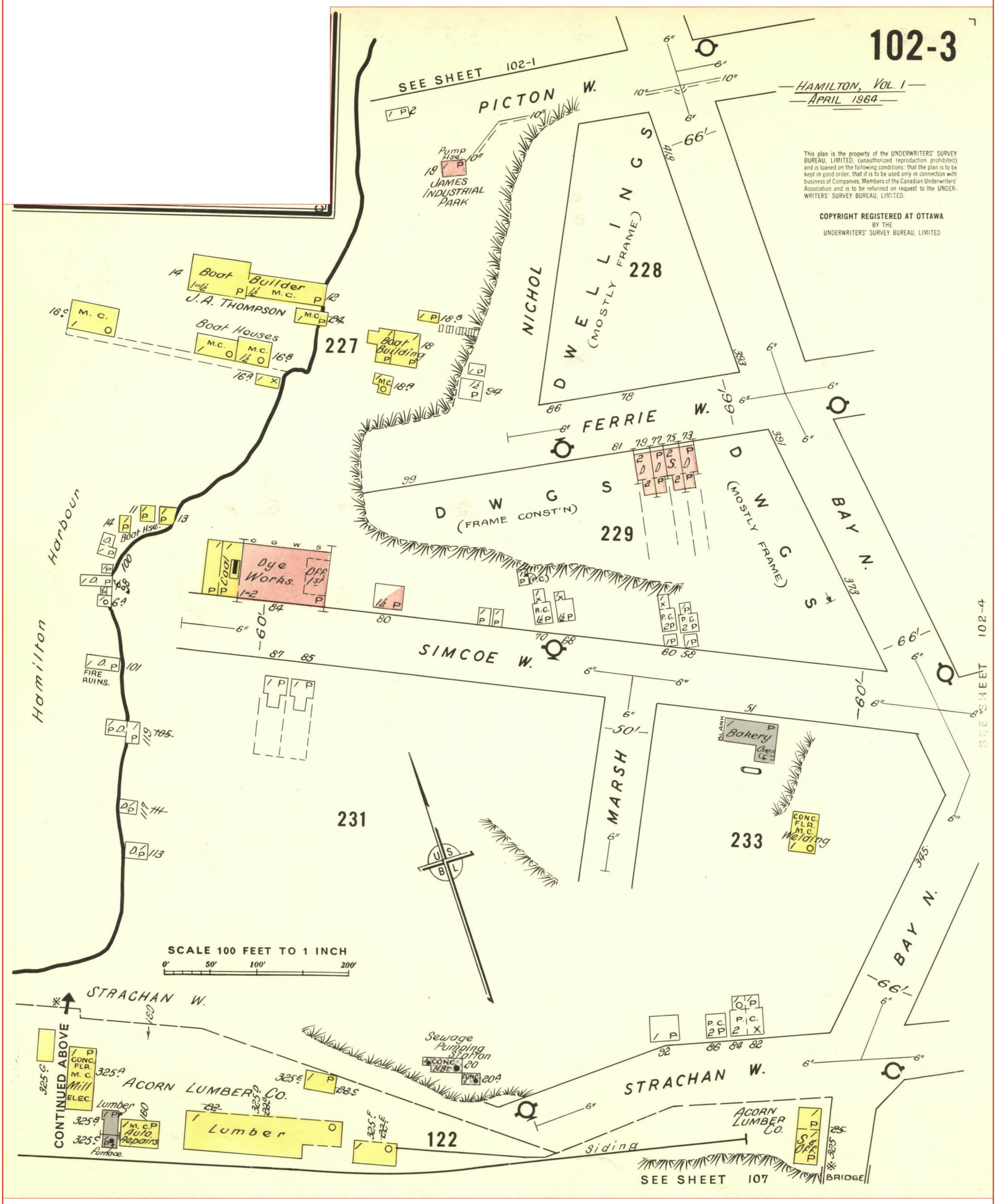
Sheet: 102-3 (1964)



Project Name: Tiffany

Project #: TB171019
P.O. #: TB171019

ENVIROSCAN Report

1964 Volume: Hamilton 1 Firemap: 102-4
Hamilton Volume 1 Plan: 847 (1964)
Sheet: 102-4 (1964)

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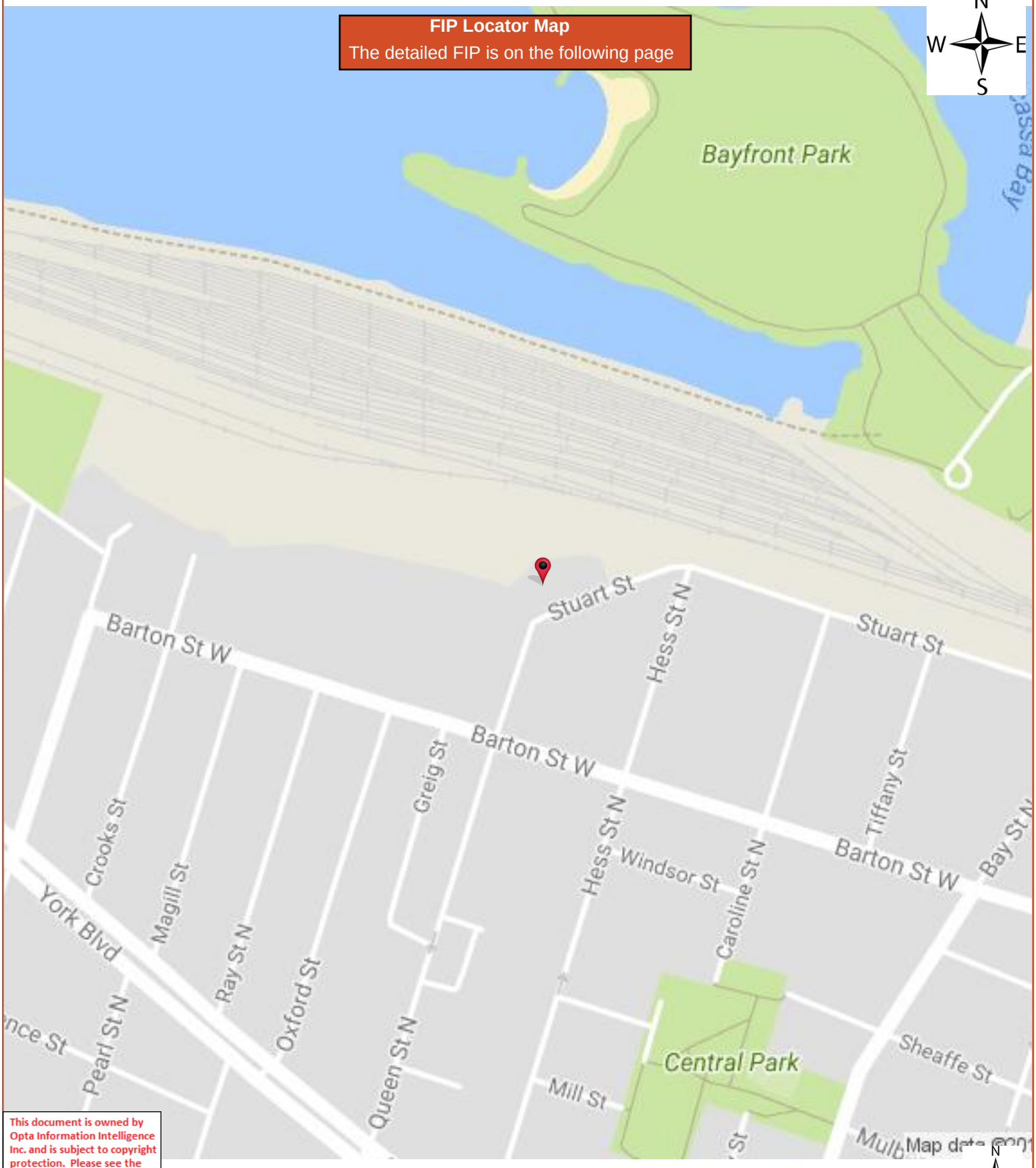

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Hamilton Volume 1 Plan: 847 (1964)
Sheet: 102-4 (1964)

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Tracey Schranz
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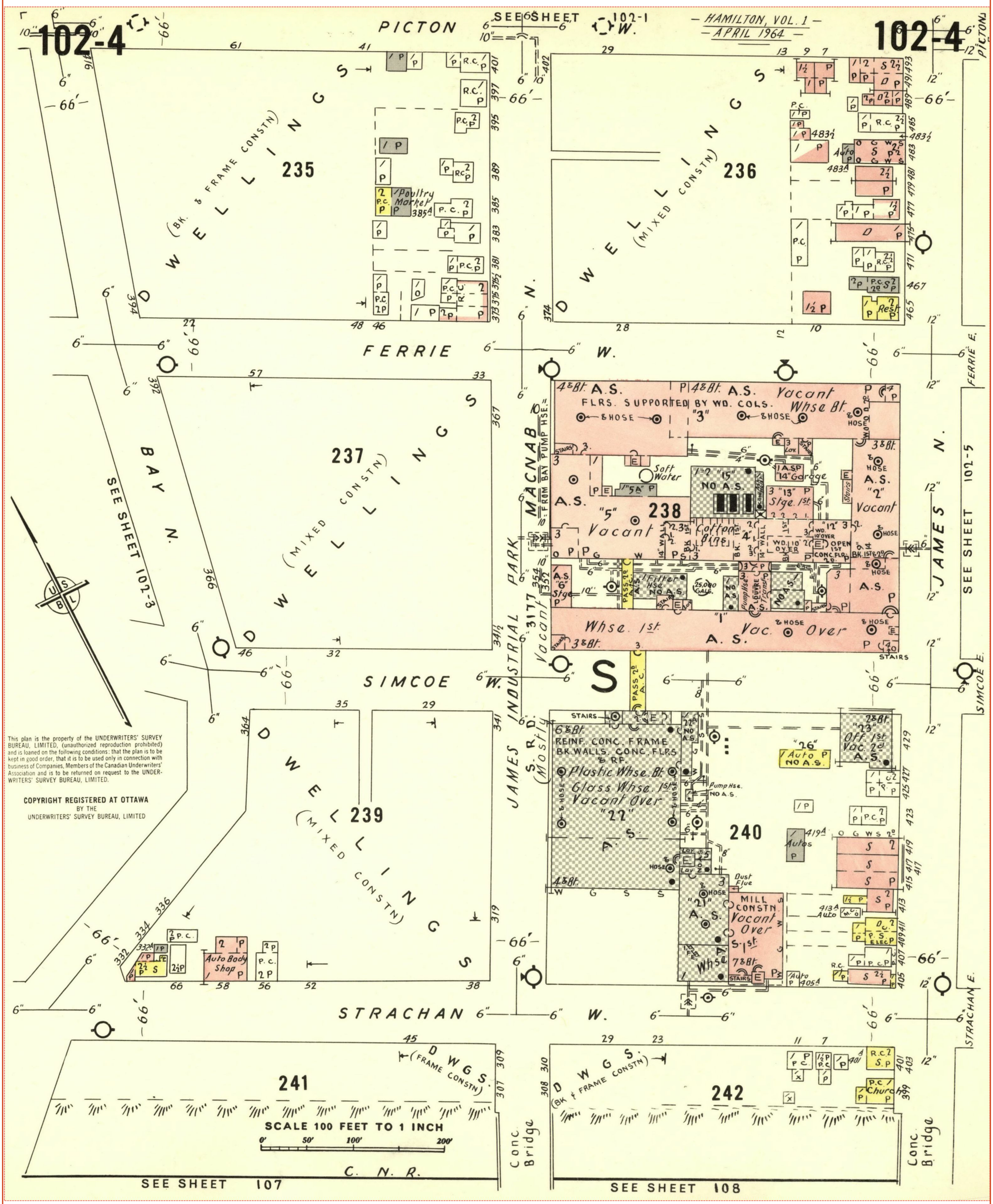

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ENVIROSCAN Report

Inspection Report - 1989 HAMILTON FACING MILL 249 HESS ST N HAMILTON ON L8R 2T7 Reference No: 10604195

Requested by:
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Date Completed: 10/06/2017 11:41:27

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AIS Ref No.: 10604195

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LOSS CONTROL ENGINEERING DEPARTMENT

Ontario

INSURED:	Imtrex Commodities Incorporated Attention: Mr. Clinton Justice	27 October 2008
	249 Hess Street North Hamilton, Ontario	File No. MA01456 Reference 060419
MAILING ADDRESS:	249 Hess Street North Hamilton, Ontario L8R 2T7	
CONTACT:	Mr. Lief Scott Vice President	

SURVEY-FIRE AND EXTENDED COVERAGE INSURANCE

The survey of the above property on February 6, 1989 was made on behalf of participating insurance companies. The information gathered on this survey is used by these insurers to aid in deciding whether to underwrite the risk, and if so, at what cost.

The following comments were developed from this survey, and are based on conditions, practices observed, other pertinent data supplied by management personnel at the risk, and information secured at the time of survey.

Please note that the following recommendations have been made with the intention of pointing out those areas in which remedial action could have the beneficial effect of making your premises safer.

RECOMMENDATIONS IN CAPITAL LETTERS ARE OF PARTICULAR IMPORTANCE, AND THEIR EARLY IMPLEMENTATION IS ENCOURAGED.

Thank you for your co-operation during this visit, and please do not hesitate to get in touch with us if we can be of any further assistance.

Representative: Robert Bousfield

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ENVIROSCAN Report

Inspection Report - 1989 HAMILTON FACING MILL 249 HESS ST N HAMILTON ON L8R 2T7 Reference No: 10604195

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REMARKS:

1. Report now includes two buildings north of the office which are used for brick and shell sand manufacturing.

2. The fire extinguishers have been serviced in the main building but not throughout the property.

3. The pay loader and lift trucks are now equipped with spark arrestors and exhaust coolers. Recommendations 76-3 is hereby withdrawn.

4. Dust levels have improved significantly. Recommendation 83-1 is hereby withdrawn.

RECOMMENDATIONS:

76-2 The coal grinding area should be cut-off from the remaining plant area through the automatic operation of the fire door on the west wall opening. The door should be kept free of obstacles which would prevent closing and should be held open by a standard fusible link which would release and cause the door to close under actual fire conditions.

86-1 (Revised 1989) All extinguishers should be maintained in a fully charged and operable condition and be serviced and tagged annually by an authorized representative to ensure reliability and proper working order.

89-1 The portable electric heater in the office should be replaced by a permanently installed unit.

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ENVIROSCAN Report

Inspection Report - 1989 HAMILTON FACING MILL 249 HESS ST N HAMILTON ON L8R 2T7 Reference No: 10604195

Requested by:
Tracey Schranz
Date Completed: 10/06/2017 11:41:27

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OPTA INFORMATION INTELLIGENCE

AIS Ref No.: 10604195

1989

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INSURERS' ADVISORY ORGANIZATION
Ontario

CONFIDENTIAL

INSPECTION REPORT

File No. 01456
Reference: 060419

Sheet 105 Block 114

NAME OF RISK: Imtrex Commodities Incorporated
Attention: Mr. Clinton Justice

LOCATION: 249 Hess Street North
Hamilton, Ontario

SURVEYED BY: Robert Bousfield

SURVEY DATE: February 6, 1989

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GENERAL COMMENTS

OCCUPANCY: Coal grinding, mixing and bagging.

CONSTRUCTION

FIRE DIVISIONS: See Multiple Fire Section Sheet

VERTICAL OPENINGS: (i) There is one open steel stairway from the first to second floor in the coal grinding area (Building No. 1). There is a self-closing non-labelled metal door at second floor level.

(ii) There is no stairway from the first to basement floor in Building No. 5 on plan, access to the basement is gained from outside only.

HAZARDS

COMMON HAZARD:

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Heating: Heat for the office (Building 5 on plan) is provided by one forced air furnace, oil-fired located in the basement. This furnace vents to a solid brick chimney. A portable electric heater is also in use (Recommendation made).

The fuel oil is supplied by two 1,137.5 L (250 gallon) steel tanks also located in the basement and filled and vented outside. The laboratory and lunchroom (Building 5 on plan) is heated by permanently installed electric wall heaters. The showroom on the second floor of the coal grinding area (Building 1 on plan) is heated by two natural gas-fired forced air suspended ceiling units venting to Class "B" gas vents.

Air-Conditioning: None.

(iii) The electrical installation provides power and is adequately protected by BX cable and rigid conduit wiring with non-interchangeable circuit breakers. The electrical equipment in the storage areas is rigid conduit wiring with enclosed bulbs. The lighting and equipment in the coal grinding area is all suitable for Class II, Group F Division 1 location.

SPECIAL HAZARDS: Safe.

(i) The motors and electrical equipment in the coal grinding area (Building 1 on plan) are suitable for Class II, Group F, Division I, hazardous location. The grinding machine is equipped with a magnetic separator in the chute after the loading hopper.

(ii) Two propane fired lift trucks with spark arrestor and one diesel fired pay loader are used in the coal grinding and storage areas. In this grinding area, the pay loader is used to transport the coal from the bin to the hopper on the grinding system. The lift trucks are used to bring the palletized bagged coal to the storage areas. These trucks are equipped with exhaust coolers as well as spark arrestors and are deemed suitable for use in the coal grinding area.

(iii) The grinding crushers in (Building 1 on plan) are connected to a dust collection system and bin. The pre-mix mixer and bagging machines are also connected to a dust collector.

(iv) The coal grinding area is separated from the storage areas by a 25.4cm (10") concrete block wall with one opening protected by a sliding metal Class "A" fire door. This door is left closed during working hours and opened only when removing palletized product. There are no chains or self-closing devices on this door (Recommendation made).

(v) Bricks made of bentonite, cement and sand are mixed in building 8 on plan and fed to a brick press. These bricks are an additive used in the steel making process.

(vi) Shell sand is processed using a propane/gas fired mixer which heats the sand before it is mixed with a solid flaked resin which coats the sand before it is packaged in bins or bags for resale. The unit is vented by inadequate steel stack and appears safely set up.

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(vii) Electric testing ovens are safely set up in the laboratory. These are thermostatically controlled and operate at approximately 398.9C. (750F.)

RADIOACTIVE MATERIAL: None

HIGH PILING: None

HOUSEKEEPING: Safe.

There are forty-six 204.6 L (45 gallon) drums of oil (F.P. 43.3C. (110F.)) for resale only, stored in Building No. 4.

EXPOSURES:

North	Protection Required: N	Protection Provided: N	
	Light		
South	Protection Required: N	Protection Provided: N	
	Light		
East	Protection Required: N	Protection Provided: N	
	None		
West	Protection Required: N	Protection Provided: N	
	Light		

ACTIVITY: Moderate Hrs/Day 8 Days/Wk 5

Number of Production Workers: 11 hands

SMOKING RESTRICTED: Yes

ELECTRONIC DATA PROCESSING: No

PROCESS DESCRIPTION: At present, eleven hands are employed in the grinding and bagging of coal and various pre-mixes used in the steel making industry. Coal arrives by truck and is dumped into the coal bin on the first floor of Building No. 1 on plan (approximate capacity: 27.2 tonnes (30 tons).

From the bin, the coal is picked up by diesel-fired pay loaders and dumped into a small hopper on the grinding machine. From the hopper, the coal is run through the grinding system, pulverized and then bagged. The bags of coal are then piled on wood pallets and brought by propane-fired lift trucks to the storage areas awaiting shipment. There are two grinding systems bagging the coal and one system is connected by pneumatic pipe system to bulk silos. From one silo, the finished coal is loaded in trucks by gravity. The second silo is located over the pre-mix area. In Building No. 2 on plan, various pre-mix components in bulk are received from rail car and pneumatically transferred to storage silos.

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ENVIROSCAN Report

Inspection Report - 1989 HAMILTON FACING MILL 249 HESS ST N HAMILTON ON L8R 2T7 Reference No: 10604195

Requested by: Tracey Schranz
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In this building, there are two mixers used to make the pre-mix. One system is pneumatic and the other bags are hand dumped into a hopper on the machine, mixed and then augered to a value bagger and bagged. The components are all non-combustible, largely "Bentonite", which is a natural clay product. All pre-mixes are custom made to customers specifications. There are four vertical metal storage tanks located in the yard (Tank 1 - 4), which are used for bulk storage of pre-mixes.

The pre-mix is augered from the tanks into trucks. Tank 5 is used to store "Seacoal", which can be loaded into trucks if there was a breakdown in the conveyor system. Bentonite and other bagged components are also sold wholesale to various customers. Unfired bricks of sand, cement and bentonite are made using a mixer and press shell, sand is also processed and bagged for resale.

MAINTENANCE WELDING: No

PROTECTION

SPRINKLER PROTECTION:

(i) Area Sprinklered (excluding concealed spaces): 0%

OTHER PROTECTION:

Extinguishers: A standard supply of portable fire extinguishers is provided but not all units have been serviced and tagged within the last year (Recommendation made).

Standpipe and Hose: None

Watchman Service: None

Special Equipment: None

OUTSIDE PROTECTION:

Public Hydrants: Standard

Private Hydrants: None

Flushed Hydrants: No information available

Public Fire Department: Paid Distance to Fire Hall 1.6 km (1 mile)

Private Fire Department: No

F.U.S. Municipality Classificaiton: 2

Accessibility: To Property: Good

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Into Building: Good

EXTENDED COVERAGE

WINDSTORM - No

LIGHTNING (FEATURES) - No

EXPLOSION - No

SPRINKLER LEAKAGE - N/A

RIOT, VANDALISM, MALICIOUS ACTS

Access Restricted:

Yes. Access is restricted to the property by a 1.8m (6') chain link fence.

Guard Supervised: No

Yards Fenced: Yes

Yards Lit: Yes. The yard is lit by mercury vapour fixtures attached to the building exterior.

Remote from Populated Areas: No

EARTHQUAKE - Zone: 0

IMPACT HAZARDS:

By Aircraft: No

By Road Vehicles: No

By Trains: No

By Floating Vessels: No

SMOKE DAMAGE - Susceptibility of stock to smoke damage: Light.

BUSINESS INTERRUPTION

Seasonal: No

Operational: 8 Hrs/Day 5 Days/Wk.

Interdependency: No

Raw Materials: Domestic

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Stock On Hand: 1 day to 1 week

Stock Replacement Time: Daily

Computer Programming: No

Single Train Production: No

Vital Machinery Custom Made: Damage to the coal grinding machines could cause a shut-down if damaged, however the Insured has a spare machine on site which could be made operable in 1-2 days. The shell sand and brick operations would not be affected.

Replacement Time: No

Private Power Generation: No

Alternate Power Generation: No

ADDITIONAL BUSINESS INTERRUPTION DETAILS:

No

UNDESIRABLE FEATURES

PROMINENT:

None.

OTHER:

1. The Class "A" fire door separating the coal grinding area is not equipped to close automatically in a fire situation.
2. Portable electric heater.

MANAGEMENT - LOSS PREVENTION PROGRAMMES

Comments: None.

Basic Fire Protection:

Control Required: N Control Exercised: Satisfactory

Self-Inspection:

Control Required: N Control Exercised: Satisfactory

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ENVIROSCAN Report

Inspection Report - 1989 HAMILTON FACING MILL 249 HESS ST N HAMILTON ON L8R 2T7 Reference No: 10604195

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Fire Protection Equipment Maintenance:

Control Required: N Control Exercised: Satisfactory

Pre-Emergency Planning:

Control Required: N Control Exercised: Satisfactory

Plant Security:

Control Required: N Control Exercised: Satisfactory

Private Fire Brigade:

Control Required: N Control Exercised: Satisfactory

Smoking Regulations:

Control Required: N Control Exercised: Satisfactory

Welding, Cutting, and Grinding:

Control Required: N Control Exercised: Satisfactory

Impairment Notification:

Control Required: N Control Exercised: Satisfactory

Preventative Maintenance:

Control Required: N Control Exercised: Satisfactory

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ENVIROSCAN Report

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MULTIPLE FIRE SECTION [1] SHEET:

LOCATION / BUILDING NO.1, 2, 3 and 4

PERCENT SPRINKLERED:0% A.S.

OCCUPANCY: Coal Grinding, Bagging and Storage

OPINION OF RISK: Amount of Risk Subject To One Fire: 98%

BUILT IN: 1952, 1973 and 1975

Additions:

Repair: Fair to Good

HEIGHT: One = 4.6m, 5.5m and 6.1m (15', 18' and 20')

Basement:

WALLS: Construction: 55% 25.4cm (10") concrete block; 32% steel frame metal clad and 13% wood frame metal clad

Type of Walls: Independent, bearing

FLOORS: 1st

ROOF: (i) Construction: 15% steel deck Class II, 20% metal

AREA:

Grade:	1358.7 sq. m (14,610 sq. ft.)
Total:	1,399.5 sq. m (15,065 sq. ft.)
Separation Walls:	None

VERTICAL OPENINGS: Stair does not pierce floor

Elevators:

INTERIOR FINISH - Walls: Open and minor amount of wood

INTERIOR FINISH - Ceilings: Open

EXTERIOR FINISH - Walls: Open

EXTERIOR FINISH - Ceilings:

COMBUSTIBLE CONCEALED SPACES: None

NON-COMBUSTABLE CONCEALED SPACES: None

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SPRINKLER PROTECTION:

ADDITIONAL CONSTRUCTION DETAILS

SUPPORTING STEEL: Wood and steel

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MULTIPLE FIRE SECTION [2] SHEET:

LOCATION / BUILDING NO."A" (Letter denotes one fire division area)

PERCENT SPRINKLERED:0% A.S.

OCCUPANCY:

OPINION OF RISK:

BUILT IN: 1920's & 1952

  Additions:

  Repair:

HEIGHT:

  Basement:

WALLS: Construction: 46% frame; 18% 20.3cm (8") brick and 36% brick veneer

  Type of Walls:

FLOORS: concrete on metal pan

ROOF: on exposed steel, 65% plank on wood joist, plank on exposed steel and metal on wood joist. (ii) Roof Surface: Patent and metal

AREA:

  Grade: 153.5 sq. m (1,650 sq. ft.)

  Total: 153.3 sq. m (1,650 sq. ft.)

  Separation Walls:

VERTICAL OPENINGS:

  Elevators:

INTERIOR FINISH - Walls: 30% open; 70% wood

INTERIOR FINISH - Ceilings:

EXTERIOR FINISH - Walls: Open

EXTERIOR FINISH - Ceilings:

COMBUSTIBLE CONCEALED SPACES:

NON-COMBUSTABLE CONCEALED SPACES:

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SPRINKLER PROTECTION:

ADDITIONAL CONSTRUCTION DETAILS

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MULTIPLE FIRE SECTION [3] SHEET:

LOCATION / BUILDING NO.5

PERCENT SPRINKLERED:

OCCUPANCY: Offices Laboratory and Lunchroom

OPINION OF RISK: Amount of Risk Subject To One Fire: 98%

BUILT IN: 1920

Additions: 1979, 1986

Repair: Good

HEIGHT:

Basement: None

WALLS: Construction: 56% brick and concrete block; 10% wood frame 33% steel frame metal clad.

Type of Walls: Independent, bearing

FLOORS:

ROOF:

AREA:

Grade: 814.3 sq. m (8,765 sq. ft.)

Total: 1,058.1 sq. m (11,390 sq. ft.)

Separation Walls: None

VERTICAL OPENINGS: Open

Elevators: None

INTERIOR FINISH - Walls: Open

INTERIOR FINISH - Ceilings: Open and suspended mineral tile

EXTERIOR FINISH - Walls: Open

EXTERIOR FINISH - Ceilings:

COMBUSTIBLE CONCEALED SPACES: Minor Roof: % Ceilings: %

NON-COMBUSTABLE CONCEALED SPACES: None

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SPRINKLER PROTECTION:

ADDITIONAL CONSTRUCTION DETAILS

SMOKE AND HEAT VENTING: Adequate

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COPE (Construction, Occupancy, Protection, Exposure) REPORT

Risk: LOTH AUTO COLLISION AND PAINTING
182 BARTON STREET WEST
HAMILTON, ONTARIO
?

Reference No. 11318392 / Building No. 01

(Surveyed By R BOUSFIELD on 19-OCT-88)

Please note that the information contained in this report was gathered during a physical inspection of the risk by an IAO Loss Control Representative.

If you wish to obtain building or contents rates for this risk, please refer to the Rate Card in the list of products available for this risk. Please call the IAO Help Desk or your local IAO Representative for help in obtaining a rate for this risk, or do it yourself by going to www.iao.ca and using the New X-rate to generate a new rate yourself.

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------ CODING ------

Industry Code:	553	- Auto Paint and Body Shops - Tire Recapping, Retrea
Construction Code:	4	- Masonry
Risk Classification:	NS	- Non-Sprinklered
Protection Code:	1	- Non-Sprinklered, Fully Prot, Gr 1-2
Combustibility	M3	

------ BRIEF DESCRIPTION ------

THIS IS A 1 STOREY CONC BLOCK BLDG WITH CONC FLR & A WOOD JOIST ROOF. OCCUPIED AS AN AUTO BODY SHOP WITH SPRAY PAINTING IN A SEPERATE ROOM WITH AUTO PROTECTION. MUNICIPAL PROTECTION STD FOR FUS CLASS 2. PRIVATE PROT STD. HOUSEKEEPING IS GOOD. CIRCUIT BREAKERS ARE USED.

------ COMMENTS ------

THIS RISK IS GOOD IN CLASS.
DESIRABLE IMPROVEMENTS:
1. THE EXTINGUISHING SYSTEM SHOULD BE PROVIDED WITH A SEMI-ANNUAL MAINTENANCE

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ENVIROSCAN Report

COPE Report - 1988 NORTH AUTO COLLISION/PAINTING 182 BARTON ST W HAMILTON ON L8R 2H4 Reference No: 11318392

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CONTRACT.

------ CONSTRUCTION ------

WALLS - MASONRY:
100% C.B. WALLS 200mm Thick C-2 Type: W-1

MASONRY and FIRE RESISTIVE FLOOR and ROOFS:
50% CONCRETE GRADE FLOOR Hours: 3.00 Listed? U Type: D-1

FLOORS & ROOFS - COMBUSTIBLE:
50% WOOD JOIST ROOF C-2

------ SECONDARY CONSTRUCTION ------

HEIGHT:
Number of Storeys: 1
Basements: N

Combustible Storeys Without Grade Access: 0

AREA:

Building Dimensions (m): 11 X 18 0 X 0 0 X 0

Grade: 195 m2 Total: 195 m2 Effective: 195 m2

L1, L2 Area 0%

ROOF SURFACE:
100 % APPROVED

COMBUSTIBLE INTERIOR FINISH:
WOOD PANELLING C-1
Prot.: U Flame: *** Unknown Smoke: *** Unknown 5%

BUILDING CONDITION:
GOOD Type C-.

Year Built: 1970 Air Conditioning: NIL

Basement: NIL

Elevators: NIL

COMMON HAZARDS: 7211C1 - GAS FIRED CEILING UNITS

------ PROTECTION ------

MUNICIPAL PROTECTION:
Distance from Hydrants: STANDARD Congested Area: NO
Distance to Fire Hall: STANDARD Accessibility: GOOD
FUS Protection Class: 02
Revised Class: 02
IAO Protection Class: 02

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INTERNAL PROTECTION:
MANUAL FIRE FIGHTING EQUIPMENT: Portable Fire Extinguishers
Standpipe and Hose

------ EXPOSURE ------

NONE NOTED:
------ OCCUPANCY - LOTH AUTO COLLISION AND PAINTING ------

Industry Code: 553 - Auto Paint and Body Shops - Tire Recapping, R

Occupancy: 5082D - AUTO BODY SHOP

Location: 1ST Area: 195 m2 100.0% of Total

Combustibility Code: M3 - Combustible
Susceptibility Code: S3 - Moderate Damage

Special Hazard: 7303C1B - SPRAY PAINTING-STD ROOM
7302C5C - 69L FLAMM LIQ STGE
7302E2A2 - FLAMM LIQ HANDLING

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COPE (Construction, Occupancy, Protection, Exposure) REPORT

Risk: IMTREX COMMODITIES INC.
249 HESS STREET NORTH
HAMILTON, ONTARIO
L8R 2T7

Reference No. 10604195 / Building No. 01 1-4 COAL GRIND BAG/STGE

(Surveyed By R.BOUSFIELD on 06 FEB 89)

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------ CODING ------

Industry Code:	298	- Refineries - Mineral Oil & Petro- chemical (incl.
Construction Code:	4	- Masonry
Risk Classification:	NS	- Non-Sprinklered
Protection Code:	1	- Non-Sprinklered, Fully Prot, Gr 1-2
Combustibility	M4	

------ CONSTRUCTION ------

WALLS - MASONRY:
55% CONCRETE BLOCK WALLS 250mm Thick C-2 Type: W-1

NON COMBUSTIBLE WALLS:
32% S.F.M.C. WALLS

WALLS - COMBUSTIBLE:
13% W.F.M.C. WALLS C-2

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ENVIROSCAN Report

COPE Report - 1989 HAMILTON FACING MILL 249 HESS ST N HAMILTON ON L8R 2T7 Reference No: 10604195

Requested by:
Tracey Schranz
Date Completed: 10/06/2017 11:41:27

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OPTA INFORMATION INTELLIGENCE

AIS Ref No.: 10604195

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MASONRY and FIRE RESISTIVE FLOOR and ROOFS:
49% GRADE FLOOR CONCRETE Hours: 3.00 Listed? U Type: D-1

NON-COMBUSTIBLE FLOORS and ROOFS:
2% CONC/MTL PAN FLOOR C-3
10% MTL/EXP STL ROOF C-4
7% CL 2 STEEL DECK ROOF C-6

FLOORS & ROOFS - COMBUSTIBLE:
32% WOOD JOIST ROOF C-3

------ SECONDARY CONSTRUCTION ------

HEIGHT:
Number of Storeys: 1&
Basements: N

Combustible Storeys Without Grade Access: 0

VERTICAL OPENINGS:
STAIRS DO NOT PIERCE FLR Comb.: M4 Const.: 4
Type: *** Unknown Message Code *** '30.'E'

AREA:

Building Dimensions (m): 0 X 0 0 X 0 0 X 0

Grade: 1359 m2 Total: 1401 m2 Effective: 1401 m2

L1, L2 Area 0%

ROOF SURFACE:
100 % APPROVED

BUILDING CONDITION:
GOOD Type C-.

Year Built: 1952/7 Air Conditioning: NIL

Basement: NIL

Elevators: NIL

COMMON HAZARDS: 7211C1 - GAS CEILING UNITS

------ PROTECTION ------

MUNICIPAL PROTECTION:
Distance from Hydrants: STANDARD Congested Area: NO
Distance to Fire Hall: STANDARD Accessibility: GOOD
FUS Protection Class: 02
Revised Class: 02
IAO Protection Class: 02

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ENVIROSCAN Report

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INTERNAL PROTECTION:
MANUAL FIRE FIGHTING EQUIPMENT: Portable Fire Extinguishers
Standpipe and Hose

------ EXPOSURE ------

PARTY WALL CHARGES:
ONE PARTY WALL

NONE NOTED:
------ OCCUPANCY - IMPREX COMMODITIES INC.: ------

Industry Code: 298 - Refineries - Mineral Oil & Petro- chemical (i

Occupancy: 6122C - COAL GRNDNG/BAGGING/STGE

Location: 1-2ND Area: 1401 m2 100.0% of Total

Combustibility Code: M4 - Free Burning
Susceptibility Code: S3 - Moderate Damage

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AIS Ref No.: 10604195

INSURERS' ADVISORY ORGANIZATION 2008-Nov-04
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COPE (Construction, Occupancy, Protection, Exposure) REPORT

Risk: IMTREX COMMODITIES INC.
249 HESS STREET NORTH
HAMILTON, ONTARIO
L8R 2T7

Reference No. 10604195 / Building No. 05 OFFICE/LAB/LUMCHROOM

(Surveyed By R.BOUSFIELD on 06 FEB 89)

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------ CODING ------

Industry Code: 298 - Refineries - Mineral Oil & Petro- chemical (incl.
Construction Code: 6 - Masonry
Risk Classification: NS - Non-Sprinklered
Protection Code: 1 - Non-Sprinklered, Fully Prot, Gr 1-2
Combustibility M3

------ CONSTRUCTION ------

WALLS - MASONRY:
18% BRICK WALLS 200mm Thick C-2 Type: W-1

WALLS - COMBUSTIBLE:
36% BRICK VENEER WALLS C-1
46% WOOD FRAME WALLS C-2

MASONRY and FIRE RESISTIVE FLOOR and ROOFS:
15% GRADE FLOOR CONCRETE Hours: 3.00 Listed? U Type: D-1

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AIS Ref No.: 10604195

FLOORS & ROOFS - COMBUSTIBLE:
85% FLOORS & ROOF WOOD JOIST C-2

------ SECONDARY CONSTRUCTION ------

HEIGHT:
Number of Storeys: 1
Basements: Y

Combustible Storeys Without Grade Access: 1

VERTICAL OPENINGS:
OUTSIDE STAIRS ONLY Comb.: M3 Const.: 6
Type: *** Unknown Message Code *** '30.'E'

AREA:

Building Dimensions (m): 6 X 14 9 X 8 0 X 0

Grade: 154 m2 Total: 237 m2 Effective: 154 m2

L1, L2 Area 0%

ROOF SURFACE:
100 % APPROVED

COMBUSTIBLE INTERIOR FINISH:
WOOD WALLS C-1
Prot.: U Flame: *** Unknown Smoke: *** Unknown 10%

BUILDING CONDITION:
GOOD Type C-.

Year Built: 1920'S Air Conditioning: NIL

Basement: NIL

Elevators: NIL

COMMON HAZARDS: 7211A3 - OIL FORCED AIR
7211B - P I ELECTRIC

------ PROTECTION ------

MUNICIPAL PROTECTION:
Distance from Hydrants: STANDARD Congested Area: NO
Distance to Fire Hall: STANDARD Accessibility: GOOD
FUS Protection Class: 02
Revised Class: 02
IAO Protection Class: 02

INTERNAL PROTECTION:
MANUAL FIRE FIGHTING EQUIPMENT: Portable Fire Extinguishers
Standpipe and Hose

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ENVIROSCAN Report

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------ EXPOSURE ------

PARTY WALL CHARGES:
ONE PARTY WALL

NONE NOTED:
------ OCCUPANCY - IMTREX COMMODITIES INC.: ------

Industry Code: 298 - Refineries - Mineral Oil & Petro- chemical (i

Occupancy: 5273 - OFF/LAB/LUNCHROOM

Location: BST-1 Area: 237 m2 100.0% of Total

Combustibility Code: M3 - Combustible
Susceptibility Code: S3 - Moderate Damage

Special Hazard: 7308C1A4 - ELECTRIC OVENS

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INSURERS' ADVISORY ORGANIZATION 2008-Nov-04
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COPE (Construction, Occupancy, Protection, Exposure) REPORT

Risk: IMTREX COMMODITIES INC.
249 HESS STREET NORTH
HAMILTON, ONTARIO
L8R 2T7

Reference No. 10604195 / Building No. 06 6-8 BRICK MFG/SANDCOATNG

(Surveyed By R. BOUSFIELD on 06 FEB 89)

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------ CODING ------

Industry Code:	298	- Refineries - Mineral Oil & Petro- chemical (incl.
Construction Code:	4	- Masonry
Risk Classification:	NS	- Non-Sprinklered
Protection Code:	1	- Non-Sprinklered, Fully Prot, Gr 1-2
Combustibility	M3	

------ CONSTRUCTION ------

WALLS - MASONRY:
56% BRICK & CONC BLOCK 200mm Thick C-2 Type: W-1

NON COMBUSTIBLE WALLS:
33% S.F.M.C.WALLS

WALLS - COMBUSTIBLE:
10% WOOD FRAME WLS C-2

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ENVIROSCAN Report

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MASONRY and FIRE RESISTIVE FLOOR and ROOFS:
43% CONC FLOORS Hours: 3.00 Listed? U Type: D-1

NON-COMBUSTIBLE FLOORS and ROOFS:
22% STEEL ON STEEL ROOF C-4

FLOORS & ROOFS - COMBUSTIBLE:
34% WOOD JOIST FLRS & RF C-2

------ SECONDARY CONSTRUCTION ------

HEIGHT:
Number of Storeys: 1
Basements: N

Combustible Storeys Without Grade Access: 1

VERTICAL OPENINGS:
OPEN STAIRS 1ST-2ND Comb.: M3 Const.: 4
Type: Open (V-4) 0 Hrs-Walls/ 0 Hrs-Doors

AREA:

Building Dimensions (m): 0 X 0 0 X 623203 0 X 1

Grade: 815 m2 Total: 1059 m2 Effective: 1059 m2

L1, L2 Area 0%

ROOF SURFACE:
100 % APPROVED

BUILDING CONDITION:
AVERAGE Type C-.

Year Built: 1920,1 Air Conditioning: NIL

Basement: NIL

Elevators: NIL

COMMON HAZARDS: 72113 - OILED FIRED F W A

------ PROTECTION ------

MUNICIPAL PROTECTION:
Distance from Hydrants: STANDARD Congested Area: NO
Distance to Fire Hall: STANDARD Accessibility: GOOD
FUS Protection Class: 02
Revised Class: 02
IAO Protection Class: 02

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ENVIROSCAN Report

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AIS Ref No.: 10604195

INTERNAL PROTECTION:
MANUAL FIRE FIGHTING EQUIPMENT: Portable Fire Extinguishers
Standpipe and Hose

------ EXPOSURE ------

NONE NOTED:
------ OCCUPANCY - IMTREX COMMODITIES INC.: ------

Industry Code: 298 - Refineries - Mineral Oil & Petro- chemical (i

Occupancy: 6062F - BRICK MFG/SAND COATING

Location: 1-2ND Area: 1059 m2 100.0% of Total

Combustibility Code: M3 - Combustible
Susceptibility Code: S3 - Moderate Damage

Special Hazard: 7308C1D4 - PROPANE FIRED HEATER

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ENVIROSCAN Report

Multirisk Report - 1994 VARGA'S GARAGE 112 BARTON ST W HAMILTON ON L8L 1A8 Reference No: 10504558

Requested by:
Tracey Schranz
Date Completed: 10/06/2017 11:41:27

OPTA INFORMATION INTELLIGENCE

AIS Ref No.: 10504558

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Ontario Branch
Confidential Report

MULTIRISK SURVEY

Insured:	VARGA'S GARAGE
Location Surveyed:	112 BARTON W ST HAMILTON, ONTARIO L8L 1A8
Person Contacted:	Joseph Varga
Telephone Number:	(905) 529-3763
Policy Number:	4455396
AIS Reference:	10504558
Surveyed by:	T. Belanger
Date of Survey:	1994.06.29

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ENVIROSCAN Report

Multirisk Report - 1994 VARGA'S GARAGE 112 BARTON ST W HAMILTON ON L8L 1A8 Reference No: 10504558

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NOTE: The sole purpose of this report is to provide insurance pricing and underwriting information about the particular insured and location named. Only the person requesting this survey will receive a copy of the report, and IAO asks that it be kept strictly confidential. This report does not guarantee compliance with any standards or with any federal, provincial or municipal codes, ordinances or regulations. Tests of fire and other protection equipment have not been conducted or witnessed during this survey.

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VARGA'S GARAGE
112 ST BARTON W; HAMILTON, ONTARIO

M U L T I R I S K - F I R E, L I A B I L I T Y A N D
B A S I C C R I M E

OCCUPANCY:

The insured is an owner/occupant at this location. They have been in operation since 1968 and at this location for 26 year(s). They occupy 358 sq. m and are the major occupant, having 1 employee. The premises are in good condition. The insured is interested in loss prevention, however there have not been any losses during the last 3 years.

* Occupancy Description (Insured / major tenant if insured is non-occupant)

The insured operates an auto body repair garage to include spray painting and regular auto repair service.

* Other Classes of Occupants

None

* Undersirable Features

None

It is recommended that this location be resurveyed in 2 year(s).

BUILDING:

* Built - 1950 (est.) Height: Storey(s) (excluding basement) - 1
* Addition(s) - 1968 - 1973
* Renovation(s) - 1973
* Building condition - Good

* Area: Ground Floor - 323 sq. m Total (including basement) - 358 sq. m

---

BASIC CONSTRUCTION:

* Walls - 100% Masonry - Concrete blocks

* Floors - (excluding basement) 100% Concrete

* Roof - 100% - Steel deck
- Surface material(s) - Tar and gravel
- Resurfaced in 1992.

INTERIOR FINISH:

* Walls - 10% non-combustible
- 90% open

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* Ceilings - 10% non-combustible
- 90% open

BASEMENTS:

* Number of basements - 1
* Total Area - 35 sq. m
* Finished - 0% Unfinished - 100%

VERTICAL OPENINGS:

* Stairs - Non-fire rated enclosure

MEZZANINE: None

OUTBUILDINGS: None

HEATING:

* Suspended Unit Heaters - 90% - Natural gas
  - Upgraded in 1991, 100% replaced.
  - Installation appears safe

* Forced Warm Air - 10% - Natural gas
  - Upgraded in 1975, 100% replaced.
  - Installation appears safe

* Chimneys:
  - Unlabelled Prefabricated - Standard

ELECTRICAL:

* Condition - Good and appeared safe at the time of the survey.
* Wiring - Conduit, BX
* Overcurrent protection - Circuit Breakers.
* Electrical system - Possibly upgraded, details could not be determined.

PLUMBING:

* Condition - Good at the time of the survey.
* Piping is Copper
* Plumbing - Upgraded in 1993, 100% replaced.

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ENVIROSCAN Report

Multirisk Report - 1994 VARGA'S GARAGE 112 BARTON ST W HAMILTON ON L8L 1A8 Reference No: 10504558

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EXPOSURES: (within 15m of the risk):

* FRONT: OPEN

* REAR: TO BUILDING
  Construction - Masonry.
  Occupancy - Retail Stores - Small.
  Distance - 1 m Height - 1 storeys
  Protection - Blank masonry wall Grading - Light

* LEFT: TO BUILDING
  Construction - Masonry.
  Occupancy - Auto Repair Garage.
  Distance - 0 m Height - 1 storeys
  Protection - Non-Sprinklered Grading - Light

* RIGHT: OPEN

MUNICIPAL PROTECTION:

* The FUS Public Fire Protection Classification is 2
* Responding (career) fire department Hamilton
* Distance from risk 2.5-5 km
* Access via Paved roads. Year-round.

* The building itself is easily accesible to the fire department.
* Two hydrants within 155m (standard)

PRIVATE PROTECTION at this location includes the following:

* Standard extinguishers

* An automatic sprinkler system is not present.

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M U L T I R I S K - L I A B I L I T Y

OCCUPANCY - GENERAL INFORMATION

* Neighbourhood is predominantly industrial, commercial, residential
* Insured - owner/occupant Area occupied - 358 sq. m
* 5% accessible to public. Public access is considered moderate
* Gross revenue - could not be determined at the time of the survey

---

PREMISES information at the time of this survey

* The following appeared to be SATISFACTORY:

  Stairs, ramps, handrails; Floor surfaces & coverings; Wall & ceilings; Inerior Lighting; Exterior Lighting; Interior Housekeeping; Exterior Housekeeping; Washrooms; Sidewalks, Yards & Parking Lots; Snow & ice removal; Signs & Awnings; Roof attachments; Fire exits

ELEVATING DEVICES

* 1 Hoists
  - Current license is not present.
  - Maintenance contract - Yes Company - Hoffman Mechanical

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M U L T I R I S K - E X P A N D E D C R I M E

BUSINESS:

The insured operates an auto body and repair shop at this location, with Normal business hours 5.5 days 8:00AM-6:00PM. The present inventory value is approximately $45,000, whereas the maximum target stock value is about $1,200, and the average target stock value would be $200.

* Inventory taken - yearly
* Typical Stock - Paint, auto parts, auto body material.
* Target Stock - Tools, power tools, equipment.

* There is a low smash and grab exposure at this location

NEIGHBOURHOOD:

* Predominantly industrial / commercial / residential
* Stable
* Best described as having a moderate crime rate.

SECURITY ALARMS:

* General Information
  - Confirmed by - Insured
  - Installed by - Insured
  - Year - 1992
  - Monitoring facility - Type - Local Only
    - Name - Could not be determined at the time of the survey
  - Equipment is ULC listed
  - Alarm system is not certified by ULC therefore the level of line security and extent of protection is not defined.

* Coverage and Devices
  - Coverage - Accessible openings; Space protection.
  - Devices - Infrared detector; Magnetic contacts.
  - System line security: None
  - Extent of protection: None

* System Status
  - There has been no false alarms in the past 12 months.
  - The system is not under suspension.
  - System has not been suspended in the last 3 years.
  - Serviced by -

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GENERAL PROTECTION at the time of this survey:

* The following appeared to be SATISFACTORY:

  Exterior Lighting, Interior Lighting, Permises fully fenced, Roof Accessability, Target stock protection, Police Patrols

* Guard Service - None

DOOR DETAILS:

* Front - 1
  - Construction - Metal with no panels
  - Type - Person
  - Equipped with Single Cylinder Dead Bolt
  - Wired to alarm system

* Front - 2
  - Construction - Wood with no panels
  - Type - Bay
  - Equipped with Single Cylinder Dead Bolt, Slide Bolt
  - Wired to alarm system

* Front - 1
  - Construction - Metal with wired glass panels
  - Type - Bay
  - Equipped with Single Cylinder Dead Bolt
  - Wired to alarm system

WINDOW DETAILS:

* Rear - 3
  - Type - Removable - Plain glass
  - Burglary screens - No
  - Burglary Bars - No
  - Windows not wired to alarm system

* Side - 1
  - Type - Removable - Plain glass
  - Burglary screens - No
  - Burglary Bars - No
  - Windows not wired to alarm system

MONEY ON HAND:

* Currency - Ave $50 - Max $100 - Overnight $0
* Cheques - Ave $200 - Max $500 - Overnight $0

CHEQUES:

* Cashed - No

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AIS Ref No.: 10504558

VARGA'S GARAGE
112 ST BARTON W; HAMILTON, ONTARIO

DEPOSITS:

* Frequency - weekly
* Deposits made during daytime — Hours vary
* Distance is 1 km — No staff accompany

SAFE: There is no safe on the premises.

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VARGA'S GARAGE
112 ST BARTON W; HAMILTON, ONTARIO

M U L T I R I S K - A L L R I S K

EARTHQUAKE: Zone 1 History of earthquakes - No

FLOOD:

* Nearest body of water - Bay/Harbour
* Distance from risk - 2 m.
* Risk is not located on a flood plain
* There is no history of flooding
* No evidence of water damage

WATER DAMAGE:

* Plumbing - Copper
* Evidence of corrosion - None
* Building is not sprinklered

* At time of survey, the following appeared to be SATISFACTORY:

  - Stock susceptibility to water damage
  - Adequacy of sealing of Window/Skylight openings
  - Adequacy of Roof covering material

* Most recent roof repair date - 1992
* Water damage protection - Shelving, Floor Drains

* History of water damage - None
* Evidence of water damage - None

COLLAPSE:

* The following items were found which may lead to collapse, (please refer to remarks for further details).

  Changes in roof elevation

* History of collapse - None

SEWER BACK-UP:

* History of sewer back-up - None
* Protection devices in place - None

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ENVIROSCAN Report

Multirisk Report - 1994 VARGA'S GARAGE 112 BARTON ST W HAMILTON ON L8L 1A8 Reference No: 10504558

Requested by:
Tracey Schranz
Date Completed: 10/06/2017 11:41:27

enviroscan
OPTA INFORMATION INTELLIGENCE

1994

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VERIFICATION - WATER DAMAGE, FLOOD, SEWER BACKUP, INFORMATION:

* Confirmed by Joe Varga
* Years knowledge of risk - 26

ADDITIONAL PERILS:

* Lightning protection - No
* Risk is not located within 5 km of an airport
* Risk is not located beneath a flight path
* Signs/other attachments on the roof
* Yard is not fenced
* Yard/Exterior of building lit
  - wall mounted spot lights

* Risk is not located in high wind/hail area
* No visible malicious damage/vandalism at risk
* No signs of vandalism within surrounding vicinity

* Risk is not subject to vehicular impact
* Vehicle impact exposure consists of only street curb between risk and curb

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AIS Ref No.: 10504558

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VARGA'S GARAGE
112 ST BARTON W; HAMILTON, ONTARIO

M U L T I R I S K - S P R A Y A P P L I C A T I O N S

OCCUPANCY:

Principal occupancy at this location is Body shop or paint shop

* Product(s) Applied: - Paint, Primer
* Applied in: - Booth
* Construction: - Prefabricated
* Floor Construction: - Steel
* Spray area: - Standard
* Frequency of use: - Low
* Work done: - Only in intended area

EQUIPMENT:

* Compressed air spray gun

VENTILATION:

* Ventilation - suitable for this installation
* Filtering system - Dry filter
* Filtering system - Well maintained.
* Ventilation motor - Non-sparking and labelled
* Exhaust duct - Suitable, Adequate clearance from combusitible materials

---

ELECTRICAL:

* Electrical equipment located inside the spray area - Standard
* Electrical equipment located outside the spray area - Standard
* Lighting fixtures are labelled
* At time of survey, lighting fixtures appeared to be in good repair
* Lighting deficiencies - None

DRYER INSTALLATION:

* No dryers were found

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AIS Ref No.: 10504558

HAZARDS:

* Storage of flammable and combustible liquid is standard

* Flammable and combustible liquids storage
  - Labelled cabinets, Room
  - Outside spray area
* Labelled safety cans used
* Handling - Safe

* Quantity in spray area - 0 litres.
* Quantity outside spray area - 30 litres.

* As a result of survey, the following were found to be satisfactory:

  Storage of dirty rags in safety containers; Restriction of smoking; Posting of no smoking signs; Welding/cutting a sufficient distance from spray area; Heating equipment a sufficient distance from spray area; Spray area is not highly congested

* As a result of survey the following were found needing attention, please refer to the remarks and recommendations for further details:

* Maintenance - Good

PROTECTION:

* Portable fire extinguishers - Suitable
  - Well located
* Automatic fixed extinguishing system - In the booth or room, In exhaust duct
* Automatic sprinklers - None

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VARGA'S GARAGE
112 ST BARTON W; HAMILTON, ONTARIO

M U L T I R I S K
R E M A R K S / R E C O M M E N D A T I O N S

REMARKS:

* Fire, Liability & Basic Crime - The risk is located in the north west section of Hamilton on a busy main street.

  The building has been owned and operated by the father and son since 1968 and has been well maintained over the years. The business is actually divided into three operation sections. The body repair shop is located on the east side of the building, the paint booth is in the centre section and the auto repair garage is located in the west section of the building. A small unfinished basement is used for paint storage and is well organised.

  The insured Mr. Varga was available for this survey and was co-operative and friendly. The business is well known in the area and was steady at time of survey.

  There were no recommendations offered for this survey. Housekeeping was above normal for this type of risk.

* Expanded Crime - The money quoted in the survey were for weekly figures only. The insured indicated a safe attitude towards handling of cash. The building appears to be adequately protected even though the security alarm is local only.

* All Risk - There were no unusual features or hazardous conditions noted.

* Spray Application - The spray booth is used on an average of once per week and is kept in good repair. Handling and storage of flammables is considered safe.
  The body work section does some occasional hot work and is well removed from the spray painting area.

  No recommendations made at this time.

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ENVIROSCAN Report

COPE Report - 1985 HAMILTON IRON AND METAL
CO 239 CAROLINE ST N HAMILTON ON L8R 2S3
Reference No: 11253532

Requested by:
Tracey Schranz
Date Completed: 10/06/2017 11:41:27

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AIS Ref No.: 11253532

INSURERS' ADVISORY ORGANIZATION 2008-Nov-12
CONFIDENTIAL - FOR USE OF MEMBERS ONLY 10:56 [Wed]
NOT FOR GENERAL DISTRIBUTION

COPE (Construction, Occupancy, Protection, Exposure) REPORT

Risk: HAMILTON IRON & METAL CO.
239 CAROLINE ST N
HAMILTON,ONTARIO
?

Reference No. 11253532 / Building No. 01

(Surveyed By R.BOUSFIELD on 12 AUG 85)

Please note that the information contained in this report was gathered during a physical inspection of the risk by an IAO Loss Control Representative.

If you wish to obtain building or contents rates for this risk, please refer to the Rate Card in the list of products available for this risk. Please call the IAO Help Desk or your local IAO Representative for help in obtaining a rate for this risk, or do it yourself by going to www.iao.ca and using the New X-rate to generate a new rate yourself.

IAO reports, prepared in compliance with commonly accepted risk control standards existing at the time services are rendered, are developed from an inspection of the premises and/or from data supplied by or on behalf of the Purchaser. IAO does not purport to list all hazards. While changes and modifications referred to in the reports are designed to upgrade protection and loss prevention of the premises, IAO assumes no responsibility for management and control of these activities. IAO will not be responsible to the Purchaser for any loss or damages, whether consequential or other, however caused, incurred or suffered, as a result of the service being provided.

------ CODING ------

Industry Code:	512	- Scrap Yards, Wholesale, Metal, Paper, etc.
Construction Code:	2	- Non-Combustible / Masonry Walls
Risk Classification:	NS	- Non-Sprinklered
Protection Code:	1	- Non-Sprinklered, Fully Prot, Gr 1-2
Combustibility	M3	

------ CONSTRUCTION ------

WALLS - MASONRY:
100% CB WALLS 200mm Thick C-2 Type: W-1

MASONRY and FIRE RESISTIVE FLOOR and ROOFS:
46% CONC GRADE FLOOR Hours: 3.00 Listed? U Type: D-1

NON-COMBUSTIBLE FLOORS and ROOFS:
28% ST DK CL 2 ROOF C-6

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FLOORS & ROOFS - COMBUSTIBLE:
26% WOOD JOIST ROOF C-2

------ SECONDARY CONSTRUCTION ------

HEIGHT:
Number of Storeys: 1
Basements: P

Combustible Storeys Without Grade Access: 0

VERTICAL OPENINGS:
BAST-1ST OPEN Comb.: M3 Const.: 2
Type: Open (V-4) 0 Hrs-Walls/ 0 Hrs-Doors

AREA:

Building Dimensions (m): 31 X 11 6 X 5 24 X 9

Grade: 577 m2 Total: 618 m2 Effective: 618 m2

L1, L2 Area 0%

ROOF SURFACE:
100 % APPROVED

BUILDING CONDITION:
AVERAGE Type C-.

Year Built: 1950/8 Air Conditioning: 5% WINDOW

Basement: UNFINISHED

Elevators: NIL

COMMON HAZARDS: 7211C1 - UNIT HEATER GAS FIRED
7211A2 - FWA GAS FIRED

------ PROTECTION ------

MUNICIPAL PROTECTION:
Distance from Hydrants: STANDARD Congested Area: NO
Distance to Fire Hall: STANDARD Accessibility: GOOD
FUS Protection Class: 02
Revised Class: 02
IAO Protection Class: 02

INTERNAL PROTECTION:
MANUAL FIRE FIGHTING EQUIPMENT: Portable Fire Extinguishers
Standpipe and Hose

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------ EXPOSURE ------

NONE NOTED:

------ OCCUPANCY - HAMILTON IRON & METAL CO. ------

Industry Code: 512 - Scrap Yards, Wholesale, Metal, Paper, etc.

Occupancy: 5571B - WASTE METAL RECLAIMING

Location: BST-1 Area: 618 m2 100.0% of Total

Combustibility Code: M3 - Combustible
Susceptibility Code: S3 - Moderate Damage

Special Hazard: 7308C1E4 - GAS FIRED FORGE
7402B1 - SAWDUST FOR OIL SPILLS

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Inspection Report - 2001 Sandhu Gas and Co. 198 Barton St W Hamilton ON L8R 2H4

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Insurers' Advisory Organization Inc.
A subsidiary of Underwriters Adjustment Bureau Ltd.

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IAO All Risk

(Now available through the IAO Web-site; www.iao.ca)
INSPECTION REPORT

Supplement/s attached: ☐ Yes ☐ No

1.0 BASIC INFORMATION

Insured:		**Policy Number**	
Date of survey (YYYY/MM/DD):	2001/12/10	**IAO Loss Control Specialist:**	Ian Morris
Person Contacted: Position	Kamal	**Telephone No.**	(905) 777 9990
Mailing Address if Different for risk:	(unit # street # & name)	(City, Town, Village)	**IAO AIS No.: 10504597**
Location Surveyed:	198 Barton St W (unit # street # & name)	Hamilton (City, Town, Village)	Ontario (Province) L8R 2H4 (postal code)
Secondary address (If any)	(unit # street # & name)	(City, Town, Village)	(Province) (postal code)
IBC Territory Code	92	**IBC Building Occupancy Code: 5982**	**SR/MA File No.**
Underwriter:		**Broker:**	

The ***IAO Risk•Score*** and comments contained in this report are based on conditions and practices observed during our survey and other pertinent data supplied by management personnel at the risk.

Recommendations in this report are made to point out those areas where remedial action could have the beneficial effect of making the above premises safer, and thus more desirable from an underwriting standpoint.

Thank you for choosing IAO to perform this inspection. Please do not hesitate to contact us if we can be of any further assistance.

2.0 *IAO Risk•Score*

	1	2	3	4	5	6	7	8	9
Property					X				
Liability					X				
Crime					X				

(1=Excellent & 9=Poor)

Comments

The building and exterior areas appear to be in good condition with signs of regular care and maintenance from the landlord.

There were no unusual Liability features or deficiencies noted on this inspection.

This occupancy is not deemed to be a target for career criminals, therefore both the physical security and the security alarm systems of each tenant appear appropriate fo the risk.

Committed to Service Excellence

IAO reports, prepared in compliance with commonly accepted risk control standards existing at the time services are rendered, are developed from an inspection of the premises and/or from data supplied by or on behalf of the Purchaser. IAO does not purport to list all hazards. While changes and modifications referred to in the reports are designed to upgrade protection and loss prevention of the premises, IAO assumes no responsibility for management and control of these activities. IAO will not be responsible to the Purchaser for any losses or damages, whether consequential or other, however caused, incurred or suffered, as a result of the services being provided.

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RISK ALERT ISSUED : ☐ **Yes** ☒ **No** If yes, describe (*A risk alert is a telephone notification to the Inspection requestor, of a situation which could imminently cause a serious loss. A Critical Recommendation will be issued to address the situation.)*

Meaning of the **IAO Risk•Score:** The IAO Score is a grading of the risk inspected versus other risks in this class. Similar to the "Commercial" Fire Protection Grading system in design, there is range of 9 categories, with a grading or "score" of 1 being the most desirable. The IAO Score is based on a number of objective criteria pertaining to the risk at the time of our survey, tempered with the experienced judgement of our Loss Control Specialist. As a general guideline, the scores mean the following criteria:

1-3	Risks in this range are well maintained, with no apparent moral hazards or management problems. Undesirable features are non-existent and recommendations, if any, are minor. Risks in this category are excellent (no deficiencies) to better than average for their class.
4-6	The maintenance of Risks in this range is considered average. Moral hazards are not apparent, but there may be possible management problems (e.g. poor housekeeping). Undesirable features noted are correctable, and recommendations will vary from desirable to important. Risks in this category are considered average for their class.
7-9	Risks in this range tend to be poorly maintained. Moral hazards and management problems (e.g. poor housekeeping and maintenance, poor attitude) are evident. Significant undesirable conditions are present and cannot or will not be corrected. Critical Recommendations may be present. Risks in this category are significantly below average for their class with little or no indication for improvement.

3.0 REMARKS

This non sprinklered risk is located in the west part of Hamilton in a mainly residential area. It is a gas station with no garage, and has an attendents booth plus a small retail convenience store.

The contact was friendly and cooperative, and appeared to be interested in loss prevention.

The insured was away in India on holiday and could not be reached to provide information regarding the underground fuel tanks and how long he has owned the business. The contact at the risk was unable to to provide these answers.

4.0 RECOMMENDATIONS

Please note that these recommendations are classified as either ☐ **Critical,** ☐ **Important, or** ☐ **Desirable Improvement**. **"Critical"** recommendations as those aimed at correcting undesirable feature/s which, if left unattended, could cause a serious loss and should be rectified immediately. This class of recommendation is only used in extreme situations. **"Important"** recommendations are intended to highlight undesirable feature/s which if left unattended, could cause a serious loss and should be rectified as soon as possible. **"Desirable Improvement"** recommendations are those aimed at correcting an undesirable feature which can be improved when feasible, to help reduce the risk of a loss.

☐ Listed below	or	☒ None

00-1 ☐ Critical ☐ Important ☐ Desirable Improvement

00-2 ☐ Critical ☐ Important ☐ Desirable Improvement

00-3 ☐ Critical ☐ Important ☐ Desirable Improvement

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5.0 OCCUPANCY INFORMATION (IBC Occupancy Code 5982)

The Insured is:

☒ Owner Occupant	☐ Non-occupant building owner	☐ Tenant
Name of building owner(if not Insured):		Number of years bldg. Owned: Unknown
☐ Tenant	Area occupied (sq. m): 106	Business hours: 5.00am to 9.00pm
Days per week: 7 days	Annual Revenue (optional):	Payroll (optional):
Number of years at this location:	Unknown	
Previous loss history past 3 years ☐ Yes ☒ No ☐ Undetermined	Previous loss history past 6 years ☐ Yes ☒ No ☐ Undetermined	
Explain loss history:		
Insured Values: Property: $80000	Contents: $100000	
Combustibility of Occupancy: M3	Susceptibility of Occupancy: S3-Moderate Damage	

Describe occupancy: This risk is a gas station with 4 gas pumps, 1 deisel pump and 1 propane pump. All are safely guarded and located on standard islands with portable fire extinguishers close to hand. The attendent's booth appears safely arranged and this is a full serve station. A convenience store is located on the property and operated by the insured. This appears safely arranged. A vertical propane tank is located on the property and appears safely arranged, with suitable crash guards.	
	or ☐ refer to Occupancy Specific Supplement:
Special Hazard Code(s): GP2 SH13	Description: Underground gasoline tanks and fuel handling.
Other classes of occupants: (immediate exposures)	None

Name:	Area occupied:	IBC Code
Special Hazard Code(s)	Description:	
Name:	Area occupied:	IBC Code
Special Hazard Code(s)	Description:	
Areas not surveyed:	☐ For additional tenants see attached list	

6.0 BUILDING CONSTRUCTION (IBC Major Construction --)

Building condition:	☐ Above Average	☒ Average	☐ Moderate deficiencies	☐ Major deficiencies	
Year built: (yyyy)	1980 (est)	Area occupied by insured (sq. m): 106		Combustibility of Building L2	
Ground floor area (sq. m):	106 sq. m	Total floor area (excl. bsmt.)		106 sq. m	
Height (excluding basement):	2.4 m	Number of Stories: 1 (above grade)			
Basement: ☐ Yes ☒ No		Area of basement: (sq. m)		Total area: 106 sq. m	
Additions (year & brief description):	N/A				
Renovations (year & brief description):	N/A				
Wall construction:	Reinforced Concrete % ( )	Masonry: 100 %: (CBBF & CB,Aluminium clad)	Non Combustible: %: ( )	Brick/stone veneer: %: ( )	Wood frame: %: ( )
	Other:		Panels in Walls % Describe:		
Floor Construction:	Concrete: 100 %	Concrete on metal pan: %	Wood joist: %	Other: %	

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Roof Type:	☐ Flat	☐ Sloped	☒ Peaked	☐ Other
Roof Construction:	☐ Concrete %	☐ Steel deck %	☒ Wood joist % 100	☐ Other: %
Roof Surface:	☐ Tar & gravel	☐ Metal	☒ Asphalt shingles	☐ Rubber Membrane
	☐ Wood Shakes	☐ Other		

Resurfaced:	☐ Yes	☒ No	Date:		
Interior Finish Walls:	Combustible: %		Non-combustible: 100 %		Open: %
Interior Finish Ceilings:	Combustible: %		Non-combustible: 100 %		Open: %
Vertical Openings:	☒ None	☐ Stairs	☐ Elevator	☐ Deck:	☐ Other
Horizontal Separation:	Major Partition Construction		☒ Not Applicable	☐ Frame	☐ Drywall on Studs
			☐ Concrete Block		☐ Other
	Proper Opening Protection:		☐ Yes	☐ No	☒ Not Applicable
Mezzanines: ☒ No ☐ Yes Mezzanines percentage of floor	Combustible: % %		Non-combustible: %		Open: %
Combustible Concealed Spaces:	☐ No	☒ Yes	If yes, describe Attic and 100 %		
Concealed space properly protected	☒ No	☐ Yes	☐ Not applicable	Comment:	

Building Description:

	Shopping Mall ☐ Yes ☒ No	Industrial Mall ☐ Yes ☒ No	Strip Mall: ☐ Yes ☒ No
	Other Describe : Stand alone bldg		

7.0 EXPOSURES (Within 50m of risk)

	Distance	Height	Construction	Occupancy Hazard	Civic Number (optional)	Opening in Facing Wall Yes	Opening in Facing Wall No
Front	*Open* m	_____ sto.	--	--	*N/A*	☐	☐
Rear	*Open* m	_____ sto.	--	--	*N/A*	☐	☐
Left	*Open* m	_____ sto.	Combustible	Light	_____	☐	☐
Right	*Open* m	_____ sto.	--	--	_____	☐	☐

(For Malls) Describe partition walls between insured and other tenants.

8.0 COMMON HAZARDS (Heating, electrical, plumbing)

HEATING:

Forced warm air:	☐ Electric %	☒ Gas100%	☐ Oil %	Other *HVAC*	
Suspended unit heaters:	☐ Electric %	☐ Gas %	☐ Oil %	Other _____	
Portable heaters:	☐ Electric %	☐ Gas %	☐ Oil %	Other _____	
Electric baseboard units: ☐ %					
Hot water/steam	☐ Electric %	☐ Gas %	☐ Oil %	Other _____	
Other	☐ Electric %	☐ Gas %	☐ Oil %	Other _____	

Boiler:	☐ Yes	☒ No	Age (yyyy) _____ and Make: _____	Date of last Boiler Inspection: (yyyymmdd) _____
Appliances enclosed in a non-combustible room:			☐ Yes	☐ No ☒ Not required:
Combustible materials stored in the room:			☐ Yes	☐ No ☒ Not applicable

Fuel tanks:	☒ None	☐ Inside	☐ Outside	☐ Above ground	☐ Below ground	Age (yyyy)_____ Capacity (L)
Fill and vent piping: Inside			☐ Yes	☐ No	_____ ☒ N/A	

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Chimneys:	☐ Masonry	☐ ULC Factory built	☐ Unlabelled pre-fab	☒ Other *Direct vent*
	☒ Standard	☐ Non-standard _____		
Installation defects:	☒ None	☐ Moderate		☐ Major
Installation replaced:	☐ Yes	☒ No	(yyyy) _____	_____ %
Comment: Appears to be safe and well maintained. No deficiencies noted.				

ELECTRICAL:

Type:	☐ Conduit	☒ BX	☐ Non-metallic	☐ Knob & Tube _____	☐ Other _____
Temporary wiring or extension cords:	☒ No	☐ Yes _____			
Overcurrent protection:	☒ Circuit Breakers	Fuses:	☐ Ordinary	☐ Type P	☐ Type D ☐ Other
Installation defects:	☒ None	☐ Moderate	☐ Major		
Installation (wiring) replaced:	☐ Yes	☒ No	(yyyy)_____	_____%	
Partial changes/extensions:	☐ Yes _____	☒ No			
Comments: *Appears to be in safe condition.*					

PLUMBING:

Type:	☒ Copper	☐ Galvanized	☐ Plastic	☐ Other _____
Installation Replaced:	☐ Yes	☒ No	(yyyy) _____	_____%
Condition:	☒ Good	☐ Fair	☐ Poor _____	
Installation appears safe:	☒ Yes	☐ No _____		

SMOKING:

Smoking Restricted:	☒ Yes	☐ No			
"No Smoking" Signs posted:	☐ Yes	☒ No	Enforced:	☒ Yes	☐ No

HOUSEKEEPING:

☒ Good	☐ Average	☐ Poor	☐ Unacceptable
Comments: *Clean and bright throughout. No obstructions in aisleways*			

9.0 FIRE PROTECTION

PUBLIC:

F.U.S. Protection Class: 2 Responding Fire Department: *Hamilton* IICC Protection Grade 1

☒ Full time ☐ Part Time/Volunteer ☐ Composite

Distance to Fire Department: 2 km Roads: ☒ Paved ☐ Unpaved Accessible Year-round: ☒ Yes ☐ No

☒ Public Water Supply ☐ Private Water Supply

No. Hydrants: 2 within 155 m, _____ within 156 - 305 m, _____ Over 305 m, ☐ None

PRIVATE:

Are the following adequate?

	Yes	No		Date Last Serviced	Comments
Portable Extinguishers	☒	☐		*January 2001*	*Ample supply*
Standpipe/Inside Hoses	☐	☐	N/A ☒	_____	_____
Watchman Service	☐	☐	N/A ☒	_____	_____
Fire Detection System:	☒ None	☐ Full	☐ Partial, Describe:	_____	
i) Type of Detectors:					
ii) Detectors properly located:	☐	☐	Describe:	_____	
iii) Components listed by:	☐ ULC	☐ UL	☐ Other _____		
iv) Maintenance contract:	☐	☐	Company: _____	Telephone #: _____	

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v) Connected to: ☐ ULC Listed Station ☐ Unlisted Service ☐ Fire/Police Department ☐ Local only
☐ Other: _____

Automatic Sprinkler Protection: ☒ None ☐ Full Premises ☐ Partial (describe): _____
☐ Sprinkler Supplement Attached ☐ Yes ☒ No

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10.0 ALL RISK :

Information Confirmed by: Kamal

EARTHQUAKE

What is the earthquake zone:	0		
Is there any earthquake history in the area:	☐ Yes	☒ No	☐ Undetermined
If **Yes**, describe history _____			
Any evidence of the following:			
Significant exterior wall or foundation cracks noted? ☐ Yes ☒ No		Describe: _____	
Sagging? ☐ Yes ☒ No		Describe: _____	

FLOOD

Is this establishment located on a flood plain:	☐ Yes	☒ No	
Is it located near a body of water:	☐ Yes	☒ No	Describe: _____
Distance to nearest body of water:	_____	☒ None determined	
Is there a history of flooding:	☐ Yes	☒ No	If **yes**, give history: _____
Evidence of water damage:	☐ Yes	☒ No	Describe:
Years knowledge of risk: 2 yrs.			

WATER DAMAGE

Plumbing is: ☒ Copper ☐ Galvanized ☐ Plastic ☐ Other			Describe:
Is there evidence of corrosion:	☐ Yes	☒ No	Describe: _____
Is the building sprinklered:	☐ Yes	☒ No	Comment:
Is stock susceptible to water damage:	☒ Yes	☐ No	Describe: *Convenience foods and confectionary*
Are all window/skylight openings adequately sealed:	☒ Yes	☐ No	Describe: _____
Does water main pass under building:	☐ Yes	☒ No	
Is the roof covering adequate:	☒ Yes	☐ No	Most recent roof repair date, if applicable _____
Inside and/or roof storage tanks/process equipment	☐ Yes	☒ No	Describe: _____
Tanks/equipment satisfactorily controlled:	☐ Yes	☐ No	Describe: *N/A*
Is there use of: ☐ skids ☒ Shelving ☐ Floor Drains ☐ Covers over stock/equipment			Describe: _____
Sewer Backup claim in the last three years:	☐ Yes	☒ No	☐ Describe: _____

COLLAPSE AND/OR SEWER BACKUP

Is there any history of collapse:	☐ Yes	☒ No	Describe: _____
Is there any history of sewer back-up:	☐ Yes	☒ No	Describe: _____
Are sewer back-up protection devices in place:	☐ Yes	☒ No	Describe: _____

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ADDITIONAL PERILS

Is lightning protection in place:		☒ Yes	☐ No	Describe: *Normal electrical grounding*		
Is risk located within 5 km of airport:		☐ Yes	☒ No	Beneath a flight path:	☐ Yes	☒ No
Is the yard fenced:	☐ Yes	☒ No		Are gates locked when the premises are closed:	☐ Yes	☒ No
Is the yard and the exterior of the building lit:			☒ Yes	☐ No		
I s the risk located in a high wind/hail area:		☐ Yes	☒ No	Describe:_____		
Are there visible signs of vandalism at the risk:		☐ Yes	☒ No	Describe:_____:		
	In the area:	☐ Yes	☒ No	Describe:_____		
Is the risk protected from	Automobile	☒ Yes	☐ No	Describe:Sidewalk at front		
Impact exposure:	Aircraft	☐ Yes	☒ No	Describe:_____		
	Train	☐ Yes	☒ No	Describe:_____		
	Boat	☐ Yes	☒ No	Describe:_____		

Comments: AP appears satisfactory

11.0 BASIC PREMISES LIABILITY

The following appeared to be satisfactory:

Stairs, Ramps & Handrails:	Yes ☐	No ☐	N/A ☒	Comments: _____
Floor Surfaces & Coverings:	Yes ☒	No ☐	N/A ☐	Comments: *In good condition*
Walls & Ceilings:	Yes ☒	No ☐	N/A ☐	Comments: *No deficiencies noted*
Interior & Exterior Lighting:	Yes ☒	No ☐	N/A ☐	Comments: *Adequate*
Emergency Lighting	Yes ☐	No ☐	N/A ☒	Comments: _____
Interior & Exterior Housekeeping:	Yes ☒	No ☐	N/A ☐	Comments: *Good at time of inspection*
Washrooms:	Yes ☒	No ☐	N/A ☐	Comments: *In good operating condition.*
Sidewalks, Yards & Parking Lots:	Yes ☒	No ☐	N/A ☐	Comments: *Appear safe.*
Fire Exits:	Yes ☒	No ☐	N/A ☐	Comments: *Adequate*
Fire Alarm System (s):	Yes ☐	No ☐	N/A ☒	Comments: _____
Snow & Ice Removal:	Yes ☒	No ☐	N/A ☐	Comments: *By contractor.*
Elevating devices in operation	Yes ☐	No ☐	N/A ☒	Comments: _____
TV Satellite Dishes /Exterior Signs	Yes ☐	No ☐	N/A ☒	Comments: _____
CO detectors where required	Yes ☐	No ☐	N/A ☒	Comments: _____
Swimming Pool	Yes ☐	No ☐	☒	Supplement attached
Other	Yes ☐	No ☐	☒	Comments:_____

12.0 BASIC CRIME

☐ Refer to Expanded Crime Supplement

Crime Experience	☐ Low	☒ Moderate	☐ High		
Type of Neighbourhood:	☒ Commercial	☐ Industrial	☐ Rural	☒ Residential	☐ Isolated
Neighbourhood appears to be:	☒ Stable Changing via:	☐ Expansion/growth		☐ Renovation	☐ Deterioration
Visible malicious damage:	☐ Yes	☒ No			

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BUSINESS

Automatic Teller Machine :	☐ Yes	☒ No		
Safe on Premises:	☐ Yes	☒ No	☐ Unable to Determine	
Guard Service:	☐ Yes	☒ No	☐ Unable to Determine	Describe:
Typical Stock:	Cigarettes worth an estimated $2000, plus convenience store items.			
Smash & Grab exposure:	☐ Yes	☒ No	☐ Unable to Determine	
Comments: The cigarettes represent a target for criminals.				

GENERAL PROTECTION

The following appeared to be satisfactory:

Exterior Lighting:	☒Yes	☐No	☐N/A	Comments: GP appears satisfactory
Interior Lighting:	☒Yes	☐No	☐N/A	Comments:
Roof Accessibility:	☒Yes	☐No	☐N/A	Comments:
Police Patrols:	☐Yes	☐No	☒N/A	Comments:
Yard Fenced:	☐Yes	☐No	☒N/A	Describe:

SECURITY ALARM SYSTEM

Premises alarm system in use:	☐ N/A	☒ Yes	☐ No	☐ Disconnected	Date Installed: (yyyy)*Unknown*
Monitored by:	☐ULC Listed Station	☒ Unlisted Station	☐ Local Alarm	☐ Unknown to Contact	☐ Unable to Determine

PHYSICAL PROTECTION

Door locks:	☒ Deadbolt	☐ Spring	☐ Panic	☐ Other	
Windows Protected:	☒ Yes	☐ No	☐ N/A	If **yes**, describe *Interior bars on all windows and the only door.*	
Other Openings:	☒ No	☐ Yes	Protected:	☒ No	☐ Yes

OTHER COMMENTS:

The security alarm system appears appropriate for the risk, with good quality interior bars on all openings and a taped video surveillance system in place. Protection, therefore appears adequate. Building insurance values also appear adequate given the size and simplicity of construction of the two buildings. It is unknown how much it would cost to replace the metal hood above the pumping area,and the self supported sign. The contact was not available to discuss this.

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Siteplan Report - 1989 249 Hess St N Hamilton ON L8R2T7

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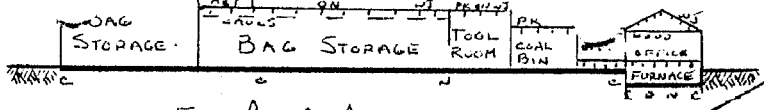
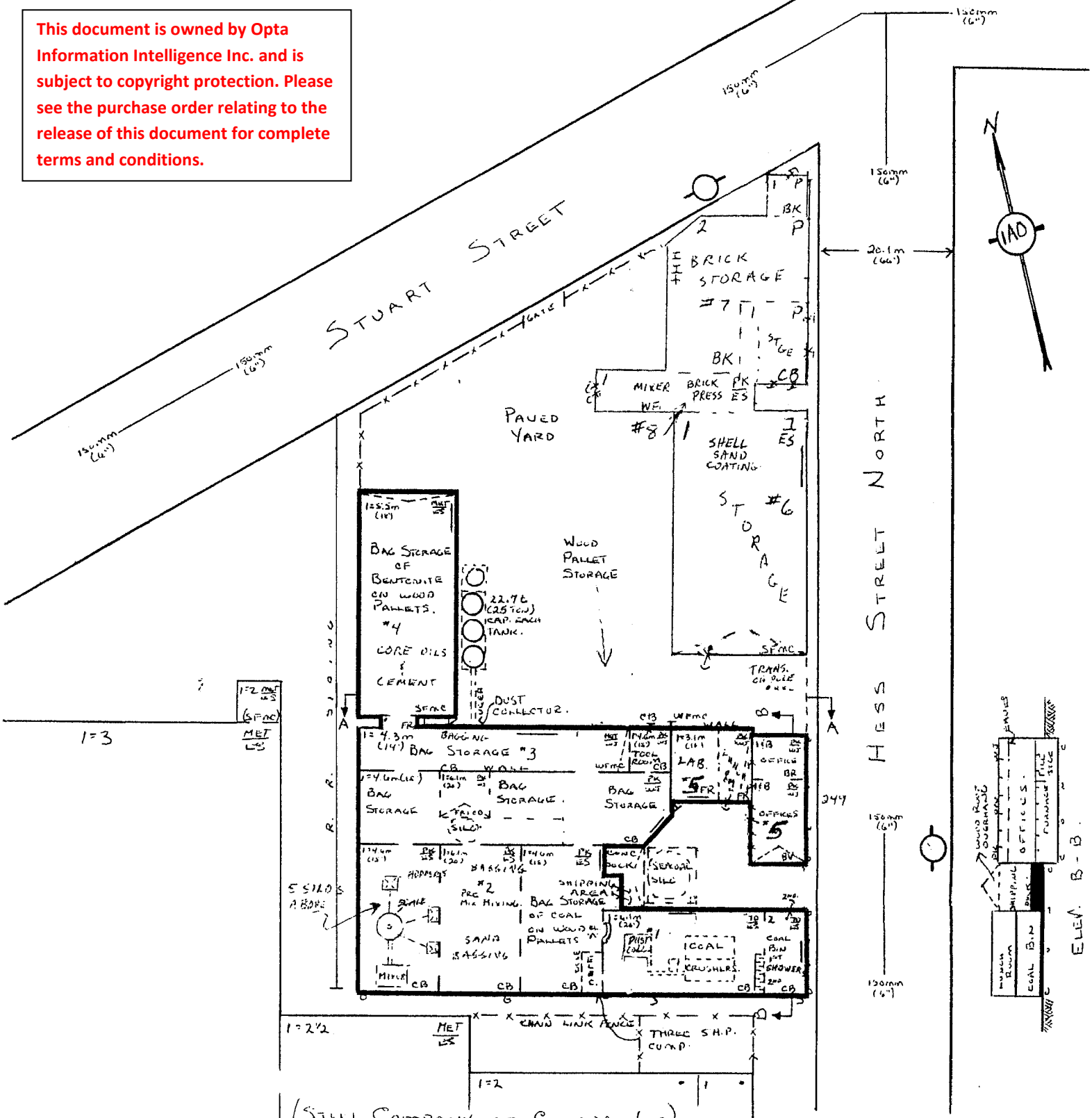


ELEV. A-A



ELEV. B-B.

FILE NO. MA-1456
IMTREX COMMODITIES INC.,
249 HESS STREET NORTH,
HAMILTON, ONTARIO.
Sheet: 105 Block: 114 Scale: (1" = 50')
2.54cm = 15.2m
INSURERS' ADVISORY ORGANIZATION
ONTARIO
Date: Feb 6, 1989 Field Rep.: R. Bousfield

Commercial property fire rating form Report - 1983 Hamilton Facing Mill 249 Hess St N Hamilton ON L8R2T7

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Building # 1, 2, 3 & 4.

COMMERCIAL PROPERTY FIRE RATING FORM

CODING			
IND.	TERR.	CONS.	PROT.
248	92	4	2.

LOCATION Hamilton NAME "HAMILTON FACING MILL" FILE NO. MA-1456

ADDRESS 249 Wess Street North Insp'd. by [illegible] Date April 12/83

Rated by [illegible] Date April 12/83

BASIC CONSTRUCTION: (SECTION II)

Construction Class 4 Bldg. Comb. Class M4

WALLS (ITEMS 210-215)

WALL AREA	MASONRY Wall Type	MASONRY Wall Thick.	FIRE RES. Dam. Type	FIRE RES. Fire Res.	NON COMB	COMB	DETAIL OF WALL CONSTRUCTION	% OF WALL PERIM	POINTS		CHARGES
	W-1	25.4cm	D-	HR			Concrete Block.	55 %	x N/C	=	--
	W-		D-	HR	✓		Steel Frame Metal Clad.	32 %	x 230	=	74
	W-		D-	HR		✓	Wood Frame Metal Clad.	13 %	x 350	=	46
	W-		D-	HR				%	x	=	
	W-		D-	HR				%	x	=	
								%	x	=	
								%	x	=	
								%	x	=	

Columns in (or adjacent to) non-bearing masonry walls: Unprot. metal ☐ Comb. ☐

Panels in masonry or fire resistive walls: Comb. ☐ Non-comb. ☐ Glass ☐ Slow burning ☐

Special Conditions (Describe).....

FLOOR(S) AND ROOF (ITEMS 220-223)

LEVEL	DIMENSIONS	MAS. or F.R. Dam. Type	MAS. or F.R. Fire Res.	NON COMB	COMB	DETAILS OF FLOOR/ROOF MATERIALS	% of Total Floor/Roof Area	POINTS		CHARGES
Grade		D-1	HR			Reinf. concrete on grade.	49.3 %	x N/C	=	-
2ND.		D-	HR	✓		6.4cm conc. on metal pan	1.5 %	x 140	=	2
Roof		D-	HR		✓	2.54cm(1") PK/WJ & Metal/WJ	32.3%	x 300	=	97
Roof		D-	HR		✓	10.2cm(4") PK/EXP. Steel	%	x	=	
Roof		D-	HR	✓		Metal on Exposed Steel	9.5 %	x 170	=	16
Roof				✓		Clear # Metal Deck.	7.4 %	x 250		19

Total Basic Construction Charges: 254

Schedule Base ..... + 150

Building Base ..... = 404.

Building Base x 1.1 Comb. Modifier (ITEM 230) x .001 = BASIC BUILDING RATE: .444

(carried fwd. overleaf) *

SECONDARY CONSTRUCTION: (SECTION III)

					% CHARGE
Height: (ITEM 300) Nbr. Storeys 1 & 2 Bast. Nil Comb. Stories (Without ground level access) Nil					-
Vertical Openings: (ITEM 310)	Type	Fm.	To	Enclosure / Doors / % Chge.	
	V-3	1st	2nd	open / s/c metal / 1st N/C	-
				None. Stair door not / purse plug /	--

Area: (ITEM 320) Lgth x Plan , x , x ,

Grade Floor Area 1355.7m² Total Area 1400.6m² Effective Area 1400.6m² 36.

Roof Surface: (ITEM 330) Approved ☑ Other (Described)..... -

Combustible Concealed Spaces: (ITEM 340) Roof Space; Percentage of total roof area ___% ..... -

Ceiling Space; Percentage of total floor area ___% ..... -

Combustible Interior Construction: (ITEM 350)

Floor Surfacing; Percentage of total floor area ___% ..... -

Interior Walls or Partitions; Percentage of total exterior wall area ___% ..... -

Mezzanines or Decks; Percentage of total floor/roof area ___% ..... -

Combustible Interior Finish or Insulation: (ITEM 360)

Walls: Percentage of total area of exterior walls; Ord. Dam. ___% Spec. Dam. ___% .... -

Roof & Floor(s): Percentage of total area of ceilings; Ord. Dam. ___% Spec. Dam. ___% .... -

Combustible Exterior Finish or Attachments: (ITEM 370) Small Pylon Canopy n/c ..... -

Building Condition: (ITEM 380) Good ☐; Average ☑; Poor ☐ ..... -

Total Secondary Construction Charges: 36

(carried fwd. overleaf) **

PROP. (H.O.) 100-381
Dec. 2006a

OCCUPANCY: (SECTION IV, V, VI & VII)

St. No. Floor	Floor Area	% of Total Area	Occ'y Item No.	Name and Description of Occupancy and Hazards	Basic Occ'y Charge	Hazard Charges	Sep'd. Occ'y Factor	Total Occ'y Charge	Comb. Cl.	Susc. Cl.	Ind. Code
Common Hazards Applicable to Building				Forced air ceiling units, gas - Class B vents		5.					
1st + 2nd	1400.6m²	100%	612	Coal grinding, bagging + storage	300				M4	S3	298
			2 C(1)	+ pre-dust piping + bagging							
			732-2	Sprinkler 13104 (2880 sq. ft.) Class III A Hzg (20 x 5)		100					
			730-11	Prot - std. elec. fixtures		35		715			
			730-11	Housekeeping - unworkedout, rind. areas + dusty conditions		250 78		540			
			730-13	Non-std. light levels		30					

TOTAL 1400.6m² — Building IND. CODE 298

Major Occupancy Charge (largest occupant; by area occupied) ..... 540 715 %
20% of ____ (next 10 highest additional Total Occupancy Charges) ..... — %
Common Hazards applicable to the Building ..... 5 %
Net Occupancy Charge ..... 545 720 %
L1, L2 Area 100 %
Net Occupancy Charge x 1.0 Occ'y Mod. Factor (ITEM 418) ..... 545 720 %
**Total Secondary Construction Charge (brought forward from overleaf) ..... + 36 %

EXPOSURE: (SECTION VIII) Non Chargeable ☑

Facing Wall of Exposure						Facing Wall of Risk		Exposure Distance
Masonry Semi Prot.	Masonry Unprot.	Non-Comb.	Comb.	Comb. Cl.	Lth./Ht.	Comb. & Non-Comb	Masonry Unprot.	

Exposure Charge ..... + — %
Party Wall Exposure Charge (ITEM 831) ..... + 5 %
Communication Charge (ITEM 832) ..... + — %
+ 100 %

3624

* (brought forward from overleaf) BASIC BUILDING RATE 4.44 x 861 % = UNPROTECTED BLDG. RATE 3.823

681

MUNICIPAL PROTECTION: (SECTION IX)

F.U.S. Prot. Class 2 Revised Prot. Class —
Dist. to Hydrants: Stdr. ☑ Non Stdr. ☐ .....m. Accessibility: Good ☑ Poor ☐
Dist. to Fire Hall: Stdr. ☑ Non Stdr. ☐ .....km. Congested Area: Yes ☐ No ☑
Unprotected Bldg. Rate x .40 Protection Class Factor ..... = PROTECTED BLDG. RATE 1.529

1.209

BUILDING ADJUSTMENT FACTOR: (SECTION X)

Protected Bldg. Rate x .79 Building Adjustment Factor ..... = GROSS BLDG. RATE 1.208

.995

INTERNAL PROTECTION: (SECTION XI)

Extinguishers Stdr. ☐ 0 % Credit W. & C. Stdr. ☐ ____ % Credit
S.P. & H. Stdr. ☐ ____ % Credit Automatic Fire Detection System Stdr. ☐ ____ % Credit
Automatic Sprinkler ☐ (Describe) ..... ____ % Credit
Other Auto. Protection ☐ (Describe) ..... ____ % Credit
GROSS BLDG. RATE ____ Less ____ % = ____ Less ____ % = ____ Less ____ % = FINAL BLDG. RATE 1.208

CONTENTS RATES (SECTION XII)

ITEM → 1200 1210 1220

Ind. Code	Susc. Class	OCCUPANCY	Susc. Charge		Hazards Adj.		Conts. Adj. Factor		Adj. Conts. Charge		Gross Bldg. Rate		Gross Conts. Rate		Int. Prot. Factor		FINAL CONTS RATE
298	S3	Coal grinding + bagging	.40	x	5.15	x	.59	=	1.215	+	1.208	=	2.423	x	—	=	2.423
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	

Building #5

COMMERCIAL PROPERTY FIRE RATING FORM

CODING			
IND.	TERR.	CONS.	PROT.
298	92	6	2

LOCATION Hamilton NAME "Hamilton Facing Mill" FILE NO. MA-1456

ADDRESS 249 Hess Street North. Insp'd. by GGB Date April 12/83

Rated by GGB Date April 12/83

BASIC CONSTRUCTION: (SECTION II)

Construction Class 6 Bldg. Comb. Class 4-3

WALLS (ITEMS 210-215)

WALL AREA	MASONRY Wall Type	MASONRY Wall Thick.	FIRE RES. Dam. Type	FIRE RES. Fire Res.	NON COMB	COMB	DETAIL OF WALL CONSTRUCTION	% OF WALL PERIM	POINTS		CHARGES
	W-		D-	HR		✓	Frame	100 %	x 350	=	350.
	W-		D-	HR				%	x	=	
	W-		D-	HR				%	x	=	
	W-		D-	HR				%	x	=	
	W-		D-	HR				%	x	=	

Columns in (or adjacent to) non-bearing masonry walls: Unprot. metal ☐ Comb. ☐

Panels in masonry or fire resistive walls: Comb. ☐ Non comb. ☐ Glass ☐ Slow burning ☐

Special Conditions (Describe).....

FLOOR(S) AND ROOF (ITEMS 220-223)

LEVEL	DIMENSIONS	MAS. or F.R. Dam. Type	MAS. or F.R. Fire Res.	NON COMB	COMB	DETAILS OF FLOOR/ROOF MATERIALS	% of Total Floor/Roof Area	POINTS		CHARGES
Grade		D-	HR		✓	2.54cm (1") PK/WS	50 %	x 300	=	150
		D-	HR				%	x	=	
		D-	HR				%	x	=	
		D-	HR				%	x	=	
Roof		D-	HR		✓	2.54cm (1") PK/WS	50 %	x 300	=	150

Total Basic Construction Charges: 650

Schedule Base ..... + 150

Building Base ..... = 800

Building Base x .9 Comb. Modifier (ITEM 230) x .001 = **BASIC BUILDING RATE:** .720

(carried fwd. overleaf) *

SECONDARY CONSTRUCTION: (SECTION III)

	% CHARGE
Height: (ITEM 300) Nbr. Storeys One Bast. Nil Comb. Stories (Without ground level access) Nil	—
Vertical Openings: (ITEM 310) Type / Fm / To / Enclosure / Doors / % Chge. — 1st. Nil	—
Area: (ITEM 320) 1 she x 18.6m Grade Floor Area 18.6m² Total Area 18.6m² Effective Area 18.6m²	—
Roof Surface: (ITEM 330) Approved ✓ Other (Described).....	—
Combustible Concealed Spaces: (ITEM 340) Roof Space; Percentage of total roof area ___%	—
Ceiling Space; Percentage of total floor area ___%	—
Combustible Interior Construction: (ITEM 350) Floor Surfacing; Percentage of total floor area ___%	—
Interior Walls or Partitions; Percentage of total exterior wall area ___%	—
Mezzanines or Decks; Percentage of total floor/roof area ___%	—
Combustible Interior Finish or Insulation: (ITEM 360) Walls: Percentage of total area of exterior walls; Ord. Dam. 10-2 % Spec. Dam. ___ % ...	—
Roof & Floor(s): Percentage of total area of ceilings; Ord. Dam. 10-2 % Spec. Dam. ___ % ...	—
Combustible Exterior Finish or Attachments: (ITEM 370)	—
Building Condition: (ITEM 380) Good ☐; Average ☐; Poor ☐;	—
Total Secondary Construction Charges:	n/c

(carried fwd. overleaf) **

PROP (11-82) F100-3 BT

Cnv. 2000s

OCCUPANCY: (SECTION IV, V, VI & VII)

St. No. Floor	Floor Area	% of Total Area	Occ'y Item No.	Name and Description of Occupancy and Hazards	Basic Occ'y Charge	Hazard Charges	Sup'd. Occ'y Factor	Total Occ'y Charge	Comb. Cl.	Susc. Cl.	Ind. Code
Common Hazards Applicable to Building				Electric - permanently installed		n/c					
1st	15.6m²	100%	536	Lunchroom & Change room. (No cooking)	50	-	-	50	L2	S3	298
TOTAL	11										

Building IND. CODE 298

Major Occupancy Charge (largest occupant; by area occupied) ..... 50 %
20% of _____ (next 10 highest additional Total Occupancy Charges) ..... - %
Common Hazards applicable to the Building ..... - %
Net Occupancy Charge ..... 50 %
L1, L2 Area 100 %
Net Occupancy Charge x 1.0 Occ'y Mod. Factor (ITEM 418) ..... = 50 %
**Total Secondary Construction Charge (brought forward from overleaf) ..... + n/c %

EXPOSURE: (SECTION VIII) Non Chargeable ☑

Facing Wall of Exposure						Facing Wall of Risk		Exposure Distance
Masonry Semi Prot.	Masonry Unprot.	Non-Comb.	Comb.	Comb. Cl.	Lth./Ht.	Comb. & Non-Comb	Masonry Unprot.	

Exposure Charge ..... + - %
Party Wall Exposure Charge (ITEM 831) ..... + - %
Communication Charge (ITEM 832) ..... + - %
+ 100 %

(brought forward from overleaf) BASIC BUILDING RATE .720 x 150 % = UNPROTECTED BLDG. RATE 1.08

MUNICIPAL PROTECTION: (SECTION IX)
F.U.S. Prot. Class 2 Revised Prot. Class -
Dist. to Hydrants: Stdr. ☑ Non Stdr. ☐ .....m. Accessibility: Good ☑ Poor ☐
Dist. to Fire Hall: Stdr. ☑ Non Stdr. ☐ .....km. Congested Area: Yes ☐ No ☑
Unprotected Bldg. Rate x .40 Protection Class Factor ..... = PROTECTED BLDG. RATE .432

BUILDING ADJUSTMENT FACTOR: (SECTION X)
Protected Bldg. Rate x .79 Building Adjustment Factor ..... = GROSS BLDG. RATE .341

INTERNAL PROTECTION: (SECTION XI)
Extinguishers Stdr. ☐ _____% Credit W. & C. Stdr ☐ _____% Credit
S.P. & H. Stdr. ☐ _____% Credit Automatic Fire Detection System Stdr. ☐ _____% Credit
Automatic Sprinklers ☐ (Describe) ..... _____% Credit
Other Auto. Protection ☐ (Describe) ..... _____% Credit
GROSS BLDG. RATE _____ Less ____% = _____ Less ____% = _____ Less ____% = FINAL BLDG. RATE .341

CONTENTS RATES (SECTION XII)

ITEM →	1200	1210	1220

Ind. Code	Susc. Class	OCCUPANCY	Susc. Charge		Hazards Adj.		Conts. Adj. Factor		Adj. Conts. Charge		Gross Bldg. Rate		Gross Conts. Rate		Int. Prot. Factor		FINAL CONTS. RATE
298	S	Lunchroom	.250	x	1.0	x	.59	=	.148	+	.341	=	.489	x	-	=	.489
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	

INSP 18 1990

BUILDING #6

COMMERCIAL PROPERTY FIRE RATING FORM

CODING			
IND.	TERR.	CONS.	PROT.
298	92	6	2

LOCATION Hamilton NAME "Hamilton Facing Mill" FILE NO. MA-1456

ADDRESS 249 Hess Street North Insp'd. by [illegible] Date April 12/83

Rated by [illegible] Date April 12/83

BASIC CONSTRUCTION: (SECTION II)

Construction Class 6 Bldg. Comb. Class M3

WALLS (ITEMS 210-215)

WALL AREA	MASONRY Wall Type	MASONRY Wall Thick.	FIRE RES. Dam Type	FIRE RES. Fire Res.	NON COMB	COMB	DETAIL OF WALL CONSTRUCTION	% OF WALL PERIM	POINTS		CHARGES
	W-1	20.32cm	D-	HR			Brick	18 %	x n/c	=	—
	W-		D-	HR		✓	Frame	46 %	x 350	=	161
	W-		D-	HR		✓	Brick Veneer	36 %	x 300	=	108
	W-		D-	HR				%	x	=	
	W-		D-	HR				%	x	=	
								%	x	=	
								%	x	=	
								%	x	=	

Columns in (or adjacent to) non-bearing masonry walls: Unprot. metal ☐ Comb. ☐

Panels in masonry or fire resistive walls: Comb. ☐ Non-comb. ☐ Glass ☐ Slow burning ☐

Special Conditions (Describe).....

FLOOR(S) ... ROOF (ITEMS 220-223)

LEVEL	DIMENSIONS	MAS. or F.R. Dam. Type	MAS. or F.R. Fire Res.	NON COMB	COMB	DETAILS OF FLOOR/ROOF MATERIALS	% of Total Floor/Roof Area	POINTS		CHARGES
Grade		D-1	HR			Concrete	15 %	x n/c	=	—
Grade		D-	HR		✓	2.54cm (1") PK/WJ	35 %	x 300	=	105
		D-	HR				%	x	=	
		D-	HR				%	x	=	
Roof		D-	HR		✓	2.54cm (1") PK/WJ	50 %	x 300	=	150

Total Basic Construction Charges: 524

Schedule Base ..... + 150

Building Base ..... = 674

Building Base x 1.0 Comb. Modifier (ITEM 230) x .001 = **BASIC BUILDING RATE:** .674

(carried fwd. overleaf)*

SECONDARY CONSTRUCTION: (SECTION III)

	% CHARGE
Height: (ITEM 300) Nbr. Storeys One Bast. Partial Comb. Stories (Without ground level access) Nil	—
Vertical Openings: (ITEM 310) Type / Fm / To / Enclosure / Doors / % Chge. 1st. Nil	—
Area: (ITEM 320) Nil x Plan, ____ x ____, ____ x ____	—
Grade Floor Area 153.5m² Total Area 237.2m² Effective Area 237.2m²	—
Roof Surface: (ITEM 330) Approved ☑ Other (Described).....	—
Combustible Concealed Spaces: (ITEM 340) Roof Space; Percentage of total roof area ____ %	—
Ceiling Space: Percentage of total floor area ____ %	—
Combustible Interior Construction: (ITEM 350)	
Floor Surfacing; Percentage of total floor area ____ %	—
Interior Walls or Partitions; Percentage of total exterior wall area ____ %	—
Mezzanines or Decks; Percentage of total floor/roof area ____ %	—
Combustible Interior Finish or Insulation: (ITEM 360)	
Walls: Percentage of total area of exterior walls; Ord. Dam. 30 % Spec. Dam. ____ % (on Brick section)	9
Roof & Floor(s): Percentage of total area of ceilings; Ord. Dam. ____ % Spec. Dam. ____ %	—
Combustible Exterior Finish or Attachments: (ITEM 370) Nil	—
Building Condition: (ITEM 380) Good ☐; Average ☑; Poor ☐;	—
Total Secondary Construction Charges:	9

(carried fwd. overleaf)**

PROP. (H.O.) 100 3/81
Ont. 2000a

OCCUPANCY: (SECTION IV, V, VI & VII)

St. No. Floor	Floor Area	% of Total Area	Occ'y Item No.	Name and Description of Occupancy and Hazards	Basic Occ'y Charge	Hazard Charges	Sep'd. Occ'y Factor	Total Occ'y Charge	Comb. Cl.	Susc. Cl.	Ind. Code
Common Hazards Applicable to Building				Forced air furnace, oil		10					
				Electric - permanently installed		n/c.					
1st + B	237.2 m²	100%	538	Office + small coal bin	n/c	—	—	—	M3	S2	298
				(over 10% comb. stk).							
				* STD. EXT.							
TOTAL	"										

Building IND. CODE 298

Major Occupancy Charge (largest occupant; by area occupied) ..... — %
20% of _____ (next 10 highest additional Total Occupancy Charges) ..... _____ %
Common Hazards applicable to the Building ..... 10 %
Net Occupancy Charge ..... 10 %
L1, L2 Area _____ %
Net Occupancy Charge x 1.0 Occ'y Mod. Factor (ITEM 418) ..... = 10 %
**Total Secondary Construction Charge (brought forward from overleaf) ..... + 9 %

EXPOSURE: (SECTION VIII) Non Chargeable ☑

Facing Wall of Exposure						Facing Wall of Risk		Exposure Distance
Masonry Semi Prot.	Masonry Unprot.	Non-Comb.	Comb.	Comb. Cl.	Lth./Ht.	Comb. & Non-Comb.	Masonry Unprot.	

Exposure Charge ..... + — %
Party Wall Exposure Charge (ITEM 831) ..... + 5 %
Communication Charge (ITEM 832) ..... + — %
+ 100 %

• (brought forward from overleaf) BASIC BUILDING RATE .674 x 124 % = UNPROTECTED BLDG. RATE .836

MUNICIPAL PROTECTION: (SECTION IX)

F.U.S. Prot. Class 2 Revised Prot. Class —
Dist. to Hydrants: Stdr. ☑ Non Stdr. ☐ .....m. Accessibility: Good ☑ Poor ☐
Dist. to Fire Hall: Stdr. ☑ Non Stdr. ☐ .....km. Congested Area: Yes ☐ No ☑
Unprotected Bldg. Rate x .40 Protection Class Factor ..... = PROTECTED BLDG. RATE .334

BUILDING ADJUSTMENT FACTOR: (SECTION X)

Protected Bldg. Rate x .79 Building Adjustment Factor ..... = GROSS BLDG. RATE .264

INTERNAL PROTECTION: (SECTION XI)

Extinguishers Stdr ☑ 3 % Credit W. & C. Stdr. ☐ _____ % Credit
S.P. & H. Stdr. ☐ _____ % Credit Automatic Fire Detection System Stdr. ☐ _____ % Credit
Automatic Sprinklers ☐ (Describe) ..... _____ % Credit
Other Auto. Protection ☐ (Describe) ..... _____ % Credit
GROSS BLDG. RATE .264 Less 3 % = .256 Less _____ % = _____ Less _____ % = FINAL BLDG. RATE .256

CONTENTS RATES (SECTION XII)

ITEM → 1200 1210 1220

Ind. Code	Susc. Class	OCCUPANCY	Susc. Charge		Hazards Adj.		Conts. Adj. Factor		Adj. Conts. Charge		Gross Bldg. Rate		Gross Conts. Rate		Int. Prot. Factor		FINAL CONTS. RATE
298	S2	Office + small coal bin	.125	x	1.0	x	.59	=	.074	+	.256	=	.33	x	95%	=	.314
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	

APR 18 1983

Cope Report - 1985 Imtrex Commodities INC 249 Hess St N Hamilton ON L8R2T7

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INSURERS' ADVISORY ORGANIZATION

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FIRE RATE CALCULATION DETAIL

REFERENCE NUMBER: 060419
BUILDING NUMBER: 1-4 COAL GRDNG BAGGING/STGE

NAME OF RISK: IMTREX COMMODITIES INC.
STREET: 249 HESS STREET NORTH
CITY, PROVINCE: HAMILTON, ONTARIO
POSTAL CODE:

SURVEYED BY: G DUREAU DATE: 29-APR-85
RATED BY: D CALAMINICI DATE: 09-MAY-85

- - - - - - CODING - - - - - -

INDUSTRY 298 TERRITORY 92 CONSTRUCTION 4
PROTECTION 1 COMBUSTIBILITY M4

- - - - - - BASIC CONSTRUCTION - - - - - -

ITEM 211 MASONRY WALLS:				
CONCRETE BLOCK WALLS	C-2			
TYPE W-1 THICKNESS 250MM		55% OF	0 PTS	0
ITEM 214 NON-COMBUSTIBLE WALLS:				
S.F.M.C. WALLS		32% OF	230 PTS	74
ITEM 215 COMBUSTIBLE WALLS:				
W.F.M.C. WALLS	C-2	13% OF	350 PTS	46
ITEM 221 MASONRY & FIRE RESISTIVE FLOORS & ROOF:				
GRADE FLOOR CONCRETE				
TYPE D-1 HOURS 3.00 LISTED? U		49% OF	0 PTS	0
ITEM 222 NON-COMBUSTIBLE FLOORS & ROOF:				
CONC/MTL PAN FLOOR	C-3	2% OF	140 PTS	3
MTL/EXP STL ROOF	C-4	10% OF	170 PTS	17
CL @ STEEL DECK ROOF	C-6	7% OF	250 PTS	18
ITEM 223 COMBUSTIBLE FLOORS & ROOF:				
WOOD JOIST ROOF	C-3	32% OF	300 PTS	96
		TOTAL BASIC CONSTRUCTION CHARGES		254
		SCHEDULE BASE		150
		BUILDING BASE		404

ITEM 230 COMBUSTIBILITY MODIFIER:
BUILDING BASE X .001 X MODIFIER 1.1

BASIC BUILDING RATE .444

- - - - - SECONDARY CONSTRUCTION - - - - -

ITEM 300 HEIGHT:
NUMBER OF STOREYS: 1&2 AND BASEMENTS: NIL
COMBUSTIBLE STOREYS WITHOUT GRADE ACCESS: Ø Ø%

ITEM 310 VERTICAL OPENINGS:
STAIRS DO NOT PIERCE FLR
TYPE V-. HOURS .ØØ COMB CL M4 CONS CL 4 Ø%

ITEM 320 AREA:
BLDG DIMENSIONS (M): IRREGULAR
X X X
AREA (SQ M): GRADE 1359 TOTAL 1401
MIXED CONST EFFECTIVE 1401 36%

ITEM 330 ROOF SURFACE:
APPROVED 100% OF Ø% Ø%

ITEM 380 BUILDING CONDITION:
GOOD C-. Ø%
BUILT IN: 1952/73/75
AIR CONDITIONING: NIL
BASEMENT: NIL
ELEVATORS: NIL
TOTAL SECONDARY CONSTRUCTION CHARGES 36%

- - - - - - OCCUPANCY - - - - - -

ITEM 417 OCCUPANCY CHARGE:
MAJOR CHARGE 430% PLUS 20% OF Ø% 430%

ITEM 721 COMMON HAZARDS:
ITEM 721-1C1 GAS AIR CEILING UNITS 5%
NET OCCUPANCY CHARGE 435%

ITEM 418 OCC'Y MODIFICATION:
L1, L2 AREA Ø% FACTOR 1.Ø
TOTAL OCCUPANCY CHARGE 435%

- - - - - - EXPOSURE - - - - - -

ITEM 831 PARTY WALL CHARGE:
ONE PARTY WALL 5%
TOTAL EXPOSURE CHARGES 5%
UNPROTECTED BUILDING RATE 2.557

- - - - - - MUNICIPAL PROTECTION - - - - - -

ITEM 920 MUNICIPAL PROTECTION:
DISTANCE OF HYDRANTS: STANDARD
ACCESSIBILITY: GOOD
DISTANCE TO FIREHALL: STANDARD
CONGESTED AREA: NO
F.U.S. PROT CLASS 02 REVISED CLASS 02 FACTOR .40
PROTECTED BUILDING RATE 1.023

- - - - - - BUILDING ADJUSTMENT FACTOR - - - - - -

ITEM 1000 BUILDING ADJUSTMENT FACTOR:
PROTECTION CLASS 02 FACTOR .47
GROSS BUILDING RATE .481

- - - - - - INTERNAL PROTECTION - - - - - -

ITEM 1111 MANUAL FIRE FIGHTING EQUIPMENT:
PORTABLE EXTINGUISHERS CREDIT 3%
FINAL BUILDING RATE .467

- - - - OCCUPANCY AND CONTENTS - - - -

INTREX COMMODITIES INC.

ITEM 612-2C1	COAL GRNDNG/BAGGING/STGE	300%
ITEM 730-7A1	N/S DUST COLLECTION SYS	100%
ITEM 740-3	N/S LIFT TRUCKS	30%

LOCATION: 1-2ND AREA: 1401(SQ M) 100.0% OF TOTAL
MAJOR OCC'Y 300% HAZARDS 130% SEP'T .00 NET 430%

COMB CL M4 SUSC CL S3 IND CODE 298
SUSC .400 HAZARD 2.30 CONTENTS ADJ .35
GROSS BLDG .481 GROSS CONT .803 INT PROT .95
CONTENTS RATE .763

- - - - - -

INSURERS' ADVISORY ORGANIZATION

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FIRE RATE CALCULATION DETAIL

REFERENCE NUMBER: 060419
BUILDING NUMBER: 5 OFFICE/MACHY STGE

NAME OF RISK: IMTREX COMMODITIES INC.
STREET: 249 HESS STREET NORTH
CITY, PROVINCE: HAMILTON, ONTARIO
POSTAL CODE:

SURVEYED BY: G DUREAU DATE: 29-APR-85
RATED BY: D CALAMINICI DATE: 09-MAY-85

- - - - - - CODING - - - - - -

INDUSTRY 298 TERRITORY 92 CONSTRUCTION 6
PROTECTION 1 COMBUSTIBILITY L2

- - - - - - BASIC CONSTRUCTION - - - - - -

ITEM 211 MASONRY WALLS:					
BRICK WALLS		C-2			
TYPE W-1 THICKNESS	200MM		18% OF	0 PTS	0
ITEM 215 COMBUSTIBLE WALLS:					
BRICK VENEER WALLS		C-1	36% OF	300 PTS	108
WOOD FRAME WALLS		C-2	46% OF	350 PTS	161
ITEM 221 MASONRY & FIRE RESISTIVE FLOORS & ROOF:					
GRADE FLOOR CONCRETE					
TYPE D-1 HOURS 3.00 LISTED? U			15% OF	0 PTS	0
ITEM 223 COMBUSTIBLE FLOORS & ROOF:					
FLOORS & ROOF WOOD JOIST		C-2	85% OF	300 PTS	255

TOTAL BASIC CONSTRUCTION CHARGES 524
SCHEDULE BASE 150
BUILDING BASE 674

ITEM 230 COMBUSTIBILITY MODIFIER:
BUILDING BASE X .001 X MODIFIER .9
BASIC BUILDING RATE .607

- - - - - SECONDARY CONSTRUCTION - - - - -

ITEM 300 HEIGHT:
NUMBER OF STOREYS: 1 AND BASEMENTS: YES

COMBUSTIBLE STOREYS WITHOUT GRADE ACCESS: 1 10%

ITEM 310 VERTICAL OPENINGS:
OUTSIDE STAIRS ONLY
TYPE V-. HOURS .00 COMB CL L2 CONS CL 6 0%

ITEM 320 AREA:
BLDG DIMENSIONS (M):
6 X 14 9 X 8 X
AREA (SQ M): GRADE 154 TOTAL 237
EFFECTIVE 154 0%

ITEM 330 ROOF SURFACE:
APPROVED 100% OF 0% 0%

ITEM 360 COMBUSTIBLE INTERIOR FINISH:
WOOD WALLS C-1 PROT U
SMOKE DEV >200 FLAME SPREAD >75 30% OF 30% 9%

ITEM 380 BUILDING CONDITION:
GOOD C-. 0%
BUILT IN: 1952
AIR CONDITIONING: NIL
BASEMENT: NIL
ELEVATORS: NIL
TOTAL SECONDARY CONSTRUCTION CHARGES 19%

- - - - - - OCCUPANCY - - - - - -

ITEM 417 OCCUPANCY CHARGE:
MAJOR CHARGE 0% PLUS 20% OF 0% 0%

ITEM 721 COMMON HAZARDS:
ITEM 721-1A3 OIL FORCED AIR 10%
NET OCCUPANCY CHARGE 10%

ITEM 418 OCC'Y MODIFICATION:
L1, L2 AREA 0% FACTOR 1.0
TOTAL OCCUPANCY CHARGE 10%

- - - - - - EXPOSURE - - - - - -

ITEM 831 PARTY WALL CHARGE:
ONE PARTY WALL 5%
TOTAL EXPOSURE CHARGES 5%
UNPROTECTED BUILDING RATE .613

- - - - - - MUNICIPAL PROTECTION - - - - - -

ITEM 920 MUNICIPAL PROTECTION:
DISTANCE OF HYDRANTS: STANDARD
ACCESSIBILITY: GOOD

```
DISTANCE TO FIREHALL: STANDARD
      CONGESTED AREA: NO
F.U.S. PROT CLASS 02 REVISED CLASS 02   FACTOR  .40
                                PROTECTED BUILDING RATE   .325

- - - - - - BUILDING ADJUSTMENT FACTOR - - - - - -


ITEM 1000 BUILDING ADJUSTMENT FACTOR:
              PROTECTION CLASS 02          FACTOR  .47
                                     GROSS BUILDING RATE   .153

      - - - - - - INTERNAL PROTECTION - - - - - -


ITEM 1111 MANUAL FIRE FIGHTING EQUIPMENT:
     PORTABLE EXTINGUISHERS                 CREDIT     3%
                                     FINAL BUILDING RATE   .148

           - - - - OCCUPANCY AND CONTENTS - - - -

     TMTREX COMMODITIES INC.
     ITEM 538-1       OFFICE/BUHROOM/MACHY STGE          0%
     LOCATION: BST-1 AREA:     237(SQ M) 100.0% OF TOTAL
     MAJOR OCC'Y    0% HAZARDS    0% SEP'T .00  NET     0%

     COMB CL L2  SUSC CL S2 IND CODE  298
     SUSC .125 HAZARD  1.00 CONTENTS ADJ  .35
     GROSS BLDG   .153 GROSS CONT   .197 INT PROT .95
                                          CONTENTS RATE   .187
     - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

Fire inspection and rate calculation form Report - 1980 228 Hess St N Hamilton ON L8R2T6

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INSURERS' ADVISORY ORGANIZATION OF CANADA

ONTARIO REGION
MERCANTILE RISKS

FIRE INSPECTION AND RATE CALCULATION FORM

1.

(Use this form for risks of all construction (excluding fire resistive) rated from the Mercantile Masonry Schedule or the Mercantile Brick Veneer – Frame Schedule.)

LOCATION: HAMILTON
ADDRESS: 228 HESS STREET NORTH
(Formerly) SOME
IAO PLAN – Sheet No.: 106 ; **Block No.:** 117 ; **Plan No.:** 228 ; **NOP** ☐ ; **See Attached Diagram** ☒

		Charges	Ded.
WALLS:	IND. ☒ (L.R.F.B.); PARTY ☐ (L.R.F.B.); B.B/HCB., S.CONC. (HCB.) H.T., B.V., R.C., M.C., AS.C., P.C., FR.	–	–
	EXPOSED WALL (NOT PARAPETTED) – L., R., F., B.		
	GLASS/METAL PANELS – L.....%, R.....%, F.....%, B.....%		
	STEEL (or ASBESTOS) on STEEL FRAMEWORK, etc.,		
	MIXED CONSTRUCTION: Masonry .....%; Brick Veneer .....%; Metal or Rigid Asbestos clad .....%; Other .....%		
HEIGHT:	1 Storey(s); Basement: YES ☐ NO ☒	–	–
AREA:	BT. ..... x ....., ... x ....., ... x ..... = ... sq.ft.		
	1st. 13.7 (45) x 10.7 (35) ..... x ....., ... x ..... = 1575 sq.ft.		
	2nd. ..... x ....., ... x ....., ... x ..... = ... sq.ft.		
	3rd. ..... x ....., ... x ....., ... x ..... = ... sq.ft.		
	4th. ..... x ....., ... x ....., ... x ..... = ... sq.ft.		
	(141.5 m²) Total (All Floors) 1575 sq.ft.		
	FLOOR AREA CHARG[illegible] ..... ¢ less (Curtain Walls) – % –		.05
KEY RATE:	.40 ¢, (To[illegible] ..... ¢ – .05 (deductions) = .05 ¢ for determining Key Rate) (MINIMUM IS .30)	.40	
	Hydrant Deficie[illegible] –		
FOUNDATION:	MASONRY ENCLOSED ☐ CONCRETE PAD ☒ POSTS ☐		
ATTACHMENTS:	(Describe) NIL		
ACCESSIBILITY:	Fire fighting restricted by: NIL		
ROOF:	Blind Space ..... ft. Used for – ; Joist ☒; Other ☐ (Specify)		
	Mansard: Left ☐, Right ☐, Front ☐, Back ☐;		
	Covering: Wood Shingles ☐; Tarpaper ☐; Pat[illegible] ☐; Other ☐ (Specify) PK/WJ		
ELECTRIC WIRING:	Used Exclusively – Type "S" Fuses ☐; Type "C" Fus[illegible] Rejector System ☐; Circuit Breakers ☒; Ordinary Fuses ☒		
	Aluminum Wiring ☐; Rigid Conduit ☐; Open ☒. S.B.K.		
FLOORS:	Grade floor: CONCRETE ☒, ... WOOD JOIST ☐, ...; BASEMENT YES ☐, NO ☒		.20
	STEEL SUPPORTS YES ☐, NO ☐, Supporting Steel adequately protected: YES ☐, NO ☐		
	Heavy Wood floor(s), with floor opening(s) protected – each floor ..... YES ☐, NO ☐		
EXPOSED STEEL:	COLUMNS & BEAMS – BT.Nbr. –; 1st.Nbr. 1; 2nd.Nbr. –; 3rd.Nbr. –; 4th.Nbr. –	.01	
HEATING:	No heat ☐; Stoves ☐ Nbr. ..... O.G.C.W.; Quebec Heaters ☐ Nbr. ..... O.G.C.W.;		
	Furnace (Convection) ☐ Nbr. ..... O.G.C.W.; Furnace (Forced Air) ☒ Nbr. 1 O.G.C.W.;	.05	
	Hot Water, Steam ☐ Nbr. ..... O.G.C.W.; Fire Resistive Room YES ☐ NO ☐;		
	Suspended Ceiling Units ☐ Nbr. ..... O.C.;		
	Electric Heating: Portable ☐, Permanently installed ☐;		
	Salamanders, Oil Drums, etc. (Describe)		
	Oil Burners – Listed YES ☐ NO ☐; Fuel Oil Tanks – Listed YES ☐ NO ☐		
CHIMNEYS:	SOLID BRICK FROM GROUND ☒ Nbr. 1; LISTED FACTORY BUILT ☐ Nbr.	–	–
	BRACKET ☐ Nbr. ..... Outside Bldg. ☐, Inside Bldg. Supported by floor or roof joists ☐;		
	METAL STACKS ☐ Nbr. .....; GAUGE STEEL ..... Ins., FOUNDATION		
	SMOKEPIPE DEFICIENCIES (Describe):		
	STOVEPIPE CHIMNEYS ☐ Nbr. ..... CLAY, CEMENT & ASBESTOS PIPES ☐ Nbr.		
	DEFICIENCIES (Describe)		
	SUB-TOTAL (Carried forward)	.46	.25

— Continued —

Charges	Ded.
(Total brought fwd.)	.46	.25

POWER: AIR CONDITIONING, COMPRESSORS, REFRIGERATION, H.P. Sup'vd. ☐ Unsup'vd. ☐;
OTHER ELEC. MOTORS ..4../.., H.P. MANUALLY CONTROLLED YES ☒ NO ☐;
PROCESS BOILERS ☐, Nbr. ..... O.G.C.W., CLEARANCE .....,
In Fire Resistive Room YES ☐ NO ☐ .....,
STACK ....., CLEARANCE .....

INTERIOR FINISH:

	BT.	1st.	2nd.	3rd.	4th.
WALLS	/	80% - CB/N 20% - WOOD	/	/	/
CEILINGS		90% - DWT/N 10% - CBD			
PARTITIONS		—			

	.01
	.02

VERTICAL OPENINGS:
Masonry shafts with Class "B" self-closing doors – Nbr. ..... From ..... To .....;
Self-closing trap doors ..... inches thick – Nbr. ..... From ..... To .....;
Sub-standard shaft or doors with self-closing doors – Nbr. ..... From ..... To .....;
Other than above or open stairs – Nbr. ..... From ..... To .....;

INTERNAL PROTECTION:
EXTINGUISHERS ..... Standard ☐; Non-Standard ☒; (For details see page 3 "Occupancy by Floor")
STANDPIPE & HOSE..... Standard ☐; Non-Standard ☐;
WATCHMAN & CLOCK: Standard ☐ Non-standard ☐ .....;
SPRINKLERED BASEMENT: YES ☐ NO ☐, Approved installation YES ☐ NO ☐;
AUTOMATIC FIRE DETECTION SYSTEM: Local ☐ or otherwise – state..... .....;
Partial Sprinkler System (in Hazardous areas): YES ☐ NO ☐ .....

OCCUPANCY & PROCESS:
Item # 1962 to 622 - FRUIT & VEGETABLE STORAGE - "O" ..... .05
..... N. RIPENING IS DONE .....

TENANTS & PROCESS:
Item # N/K .....

FAULTS OF MANAGEMENT:
No Empty Bags in Building (+.25) ..... .25

	.77	.27
Less Deductions	.27	
Sub-Total	.50	
Less Special Occupancy Reduction .....% (Where applicable)	—	
	.50	

EXPOSURE: N/S - 15 to 1/2 CB 40' Com'l Mfg. - N/S .....

Co-Insurance Credit: Bldg. ..25..% Contents ..20..% No. Co. Bldg. Rate —

REGION # 10 FINAL RATES

IBC IND. Code(s)	IAO Rate Code(s) Occ'y.	C/P	IBC Codes: Terr ..92.. - Ind ..506.. - Cons ..4.. - Prot ..2..	Contents Extra	No. Co.	80% Co.	M T %	80% Co.
506	074	Building (1 - CB - PE/NS)			.50	.38	1.57	.596
506	084	STORAGE OF FRUIT & VEGETABLES - STOCK		1/2	.95	.76	1.23	.93
–		Office Contents						
–	084	Machinery Furniture & Fixtures (Equipment)		20	.70	.56	1.23	.688
–		Dwelling Contents						

Report No. 26-80 Initial: JLS
Requested by: CONFIDENTIAL INSURANCE Date: MAY 15/80 SJ Date: JUNE 19/80

2. OCCUPANCY & PROCESS

NAME OF RISK: (Name of building and/or Owner) LOUIE PRODUCE — **Sheet No.** 106

Block No. 117

LOCATION: (i.e. Municipal address) **No.** 228 HESS STREET NORTH — **Plan No.** 228

HAMILTON, ONTARIO — **NOP** ☐ **See Diagram** ☒

OCCUPANCY BY FLOOR: Indicate by "Business" name and also report briefly on:
(indicate any vacant section(s))
(i) Heating and location; (ii) Special hazards and processes if any; (iii) Location, number and type of extinguishers; (iv) Any other exceptional feature of the risk, including heavy exposures; (v) Automatic Fire Alarm Detection System(s) and have Form No. 2184/4-77 completed.

Basement: NIL

1st. Floor: #228 - OCCUPIED BY "LOUIE PRODUCE" AS A STORAGE UNIT FOR PRODUCE CRATES & BOXES IN SUMMER & EXCESS STOCK OF FRUIT IN WINTER. THE HEATING IS DONE VIA A GAS FIRED FORCED WARM AIR FURNACE LOCATED ABOVE THE OFFICE. A 41 HP GRAPE CRUSHING MACHINE IS USED FOR THE OCCASSIONAL ORDER. NO PORTABLE FIRE EXTINGUISHERS ARE AVAILABLE.

2nd. Floor: NIL

3rd. Floor: NIL

Other Floors: NIL

3. GENERAL UNDERWRITING COMMENTS

(a) **HOUSEKEEPING & MAINTENANCE:** Excellent ☐; Good ☐; Average ☒; Poor ☒, (If so, describe): (see charges under Faults of Management ☒);

(b) **NEIGHBOURHOOD:** Residential ☒; Commercial ☐; Industrial ☒; Congested Area ☐, (If so, describe):

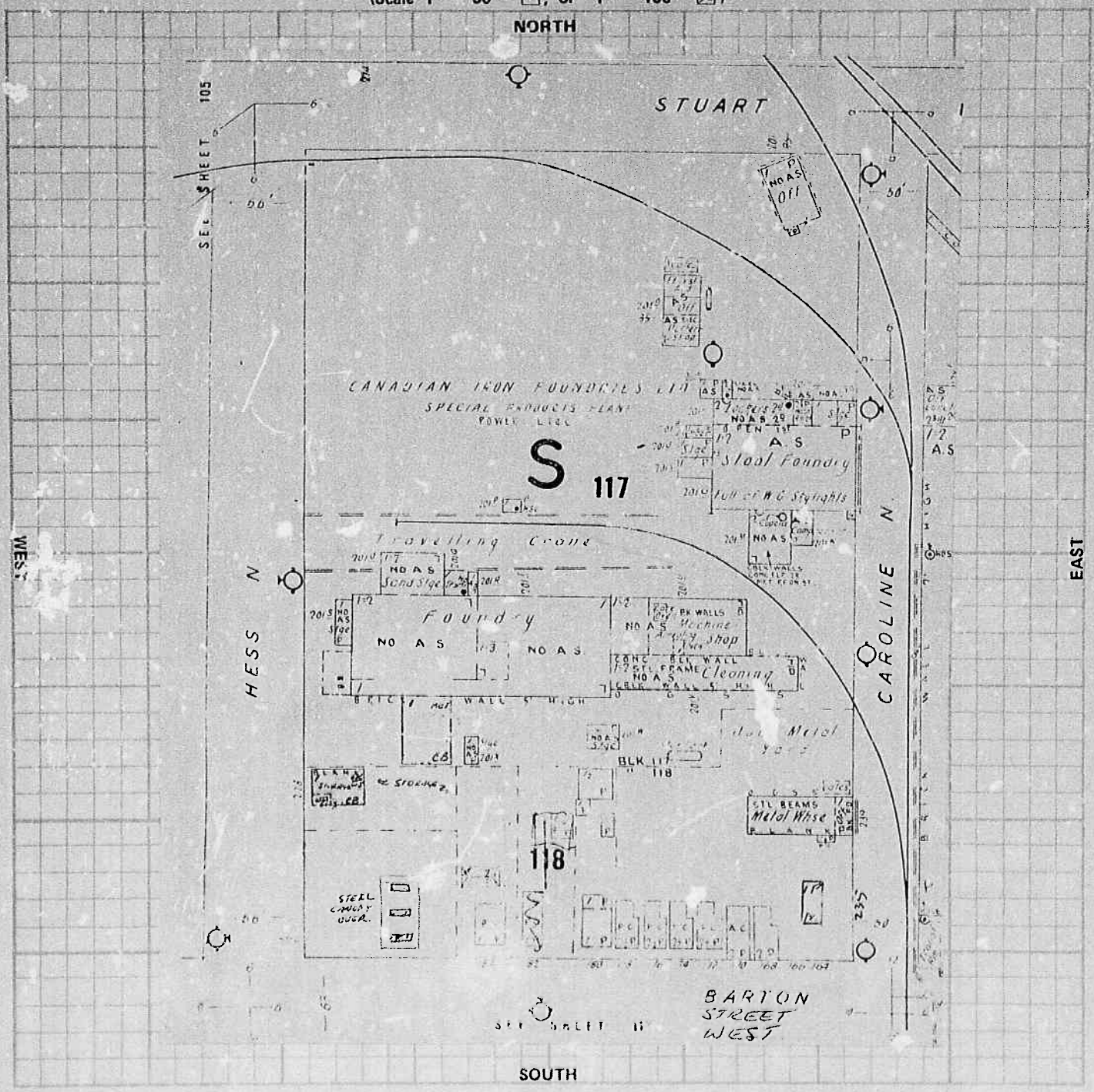
(c) **OPINION OF RISK:** Excellent ☐; Good ☐; Average ☒; Poor ☐, (If so, describe): Number of Fire Divisions 1; (show on Plan and indicate openings)

(d) **APPROXIMATE AGE OF BUILDING:** 20 years Additions: NIL

4.

DIAGRAM

(Scale 1" = 50' ☐, or 1" = 100' ☒)



EXPOSURE: Note – These questions must be answered fully.

NORTH OPEN ft. to building built of —, — stories high, occupied as —

SOUTH OPEN " " —, — " " —

EAST 4 ST. (15) " " CBS MET, 1-2 " " MANUFACTURING

WEST STREET " " —, — " " HESS STREET NORTH

Requested by: Continental Assurance Company

Signature of Inspector: Joh Summers

Date: June 20 19 80

Commercial property fire rating form Report - 1982 Franks Auto Body Paint 228 Hess St N Hamilton ON L8R2T6

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COMMERCIAL PROPER . . FIRE RATING FORM

CODING			
IND.	TERR.	CONS.	PROT.
553	92	4	2

LOCATION HAMILTON NAME FRANKS AUTO BODY & PAINT FILE NO. MERCANTILE

ADDRESS 22 HESS STREET NORTH Insp'd. by R. Florendo Date Oct. 14, 1982

Rated by R. Florendo Date Oct 22, 1982

BASIC CONSTRUCTION: (SECTION II)

Construction Class 4 Bldg. Comb. Class M3

WALLS (ITEMS 210-215)

WALL AREA	MASONRY Wall Type	MASONRY Wall Thick.	FIRE RES. Dam. Type	FIRE RES. Fire Res.	NON COMB	COMB	DETAIL OF WALL CONSTRUCTION	% OF WALL PERIM	POINTS		CHARGES
	W-1	8"	D-	HR			HCB	100 %	x 0	=	—
	W-		D-	HR				%	x	=	
	W-		D-	HR				%	x	=	
	W-		D-	HR				%	x	=	
	W-		D-	HR				%	x	=	
Columns in (or adjacent to) non-bearing masonry walls: Unprot. metal ☐ Comb. ☐								%	x	=	
Panels in masonry or fire resistive walls: Comb. ☐ Non-comb. ☐ Glass ☐ Slow burning ☐								%	x	=	
Special Conditions (Describe).....								%	x	=	

FLOOR(S) AND ROOF (ITEMS 220-223)

LEVEL	DIMENSIONS	MAS. or F.R. Dam. Type	MAS. or F.R. Fire Res.	NON COMB	COMB	DETAILS OF FLOOR/ROOF MATERIALS	% of Total Floor/Roof Area	POINTS		CHARGES
Grade		D-1	HR			CONC. (6" - 15.24 cm)	50 %	x 0	=	—
		D-	HR				%	x	=	
		D-	HR				%	x	=	
		D-	HR				%	x	=	
		D-	HR				%	x	=	
Roof		D-	HR		V	WOOD JOIST	50 %	x 300	=	150

Total Basic Construction Charges: 150

Schedule Base ..... + 150

Building Base ..... = 300

Building Base x 1.0 Comb. Modifier (ITEM 230) x .001 = **BASIC BUILDING RATE:** .300

(carried fwd. overleaf) *

SECONDARY CONSTRUCTION: (SECTION III) — % CHARGE

Height: (ITEM 300) Nbr. Storeys 1 Bast. NO Comb. Stories (Without ground level access) 0 — —

Vertical Openings: (ITEM 310)

Type	Fm	To	Enclosure	Doors	% Chge.
			N/A		1st.
					+
					+

— —

Area: (ITEM 320) 30' x 40' , ____ x ____ , ____ x ____ , ...

Grade Floor Area 1200 ft² Total Area 111.6 m² Effective Area 111.6 m² — —

Roof Surface: (ITEM 330) Approved ☒ Other (Described)..... — —

Combustible Concealed Spaces: (ITEM 340) Roof Space; Percentage of total roof area — % ..... —

Ceiling Space; Percentage of total floor area — % ..... —

Combustible Interior Construction: (ITEM 350)

Floor Surfacing; Percentage of total floor area — % ..... —

Interior Walls or Partitions; Percentage of total exterior wall area — % ..... —

Mezzanines or Decks; Percentage of total floor/roof area — % ..... —

Combustible Interior Finish or Insulation: (ITEM 360)

Walls; Percentage of total area of exterior walls; Ord. Dam. — % Spec. Dam. — % .... —

Roof & Floor(s); Percentage of total area of ceilings; Ord. Dam. — % Spec. Dam. — % .... —

Combustible Exterior Finish or Attachments: (ITEM 370) NIL — —

Building Condition: (ITEM 380) Good ☐; Average ☒; Poor ☐; — —

Total Secondary Construction Charges: 0

(carried fwd. overleaf) **

OCCUPANCY: (SECTION IV, V, VI & VII)

St. No. Floor	Floor Area	% of Total Area	Occ'y Item No.	Name and Description of Occupancy and Hazards	Basic Occ'y Charge	Hazard Charges	Sep'd. Occ'y Factor	Total Occ'y Charge	Comb. Cl.	Susc. Cl.	Ind. Code
Common Hazards Applicable to Building				721 (1)(a) FORCED WARM AIR, GAS FIRED		5					
338											
1ST	M1.6	100	508 d	AUTO BODY SHOP - NO PAINTING DONE	125			125	M3	S3	553
TOTAL									Building IND. CODE		553

Major Occupancy Charge (largest occupant; by area occupied) ..... 125 %
20% of — (next 10 highest additional Total Occupancy Charges) ..... — %
Common Hazards applicable to the Building ..... 5 %
Net Occupancy Charge ..... 130 %
L1, L2 Area N/A %
Net Occupancy Charge x ____ Occ'y Mod. Factor (ITEM 418) ..... = — %
**Total Secondary Construction Charge (brought forward from overleaf) ..... + 0 %

EXPOSURE: (SECTION VIII) Non Chargeable ☒

Facing Wall of Exposure						Facing Wall of Risk		Exposure Distance
Masonry Semi Prot.	Masonry Unprot.	Non-Comb.	Comb.	Comb. Cl.	Lth./Ht.	Comb. & Non-Comb.	Masonry Unprot.	

Exposure Charge ..... + — %
Party Wall Exposure Charge (ITEM 831) ..... + — %
Communication Charge (ITEM 832) ..... + — %
+ 100 %

* (brought forward from overleaf) BASIC BUILDING RATE .300 x 230 % = UNPROTECTED BLDG. RATE .69

MUNICIPAL PROTECTION: (SECTION IX)
F.U.S. Prot. Class 2 Revised Prot. Class ____
Dist. to Hydrants: Stdr. ☒ Non Stdr. ☐ .....m. Accessibility: Good ☒ Poor ☐
Dist. to Fire Hall: Stdr. ☒ Non Stdr. ☐ ....m. Congested Area: Yes ☐ No ☒
Unprotected Bldg. Rate x .40 Protection Class Factor ..... = PROTECTED BLDG. RATE .276

BUILDING ADJUSTMENT FACTOR: (SECTION X)
Protected Bldg. Rate x 1.06 Building Adjustment Factor ..... = GROSS BLDG. RATE .293

INTERNAL PROTECTION: (SECTION XI)
Extinguishers Stdr. ☐ ____% Credit W. & C. Stdr. ☐ ____% Credit
S.P. & H. Stdr. ☐ ____% Credit Automatic Fire Detection System Stdr. ☐ ____% Credit
Automatic Sprinklers ☐ (Describe) ..... ____% Credit
Other Auto. Protection ☐ (Describe) ..... ____% Credit
GROSS BLDG. RATE ____ Less ____% = ____ Less ____% = ____ Less ____% = FINAL BLDG. RATE .293 NC

CONTENTS RATES (SECTION XII)

ITEM → 1200 1210 1220

Ind. Code	Susc. Class	OCCUPANCY	Susc. Charge		Hazards Adj.		Conts. Adj. Factor		Adj. Conts. Charge		Gross Bldg. Rate		Gross Conts. Rate		Int. Prot. Factor		FINAL CONTS. RATE
				x		x		=		+		=		x		=	
553	S3	AUTO BODY SHOP	.40	x	—	x	.80	=	.32	+	.293	=	.613	x	—	=	.613
				x		x		=		+		=		x		=	NC
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	

NC 29/82 LB

- continued

COMMERCIAL PROPERTY FIRE INSPECTION SURVEY FORM
OCCUPANCY & SPECIAL HAZARDS - (SECTIONS IV, V, VI & VII)

- SEPARATED OCCUPANCY: Is There Any Occupant(s) Cut-Off VERTICALLY ☐ /HORIZONTALLY ☐? Yes ☐; No ☒.
If Yes - Such Occupant Occupies _____ m^2, Comprising _____ % Of The Total Floor Area;
Describe: _____.

OCCUPANCY DETAILS: Indicate: 1) Business Name Of Each Tenant, 2) Special Hazards Including Process Operation(s) And Faults Of Management, 3) Number, Type and Location Of Manual Fire Fighting Equipment, 4) Any Other Exceptional Features Of The Risk Not Discussed Elsewhere, and 5) Any Vacant Section(s).

CIVIC NO.	FLOOR LEVEL	AREA (m^2)	IBC IND. CODE	
228	1st	111.6	553	OCCUPIED BY "FRANKS AUTO BODY AND PAINT" AS 2 HANDS AUTO BODY SHOP. EQUIPMENTS USED CONSIST OF 1 COMPRESSOR + 1 H.P., ACETYLENE AND ARC WELDING UNIT AND HAND TOOLS. NO PAINTING IS DONE IN THE BUILDING AS CARS ARE PAINTED IN "DO-IT-YOURSELF" PLACE. AS PER WORKER. HEATING IS SUPPLIED BY ONE FORCED WARM AIR, GAS FIRED IN THE OPEN. NO PORTABLE FIRE EXTINGUISHERS ARE PROVIDED.
Total Floor Area		111.6	553	← (Building Owner's Interest) - Continued on attached sheet ☐ -

GENERAL UNDERWRITING COMMENTS

- HOUSEKEEPING & MAINTENANCE: Excellent ☐; Good ☐; Average ☒; Poor ☐ (describe) _____

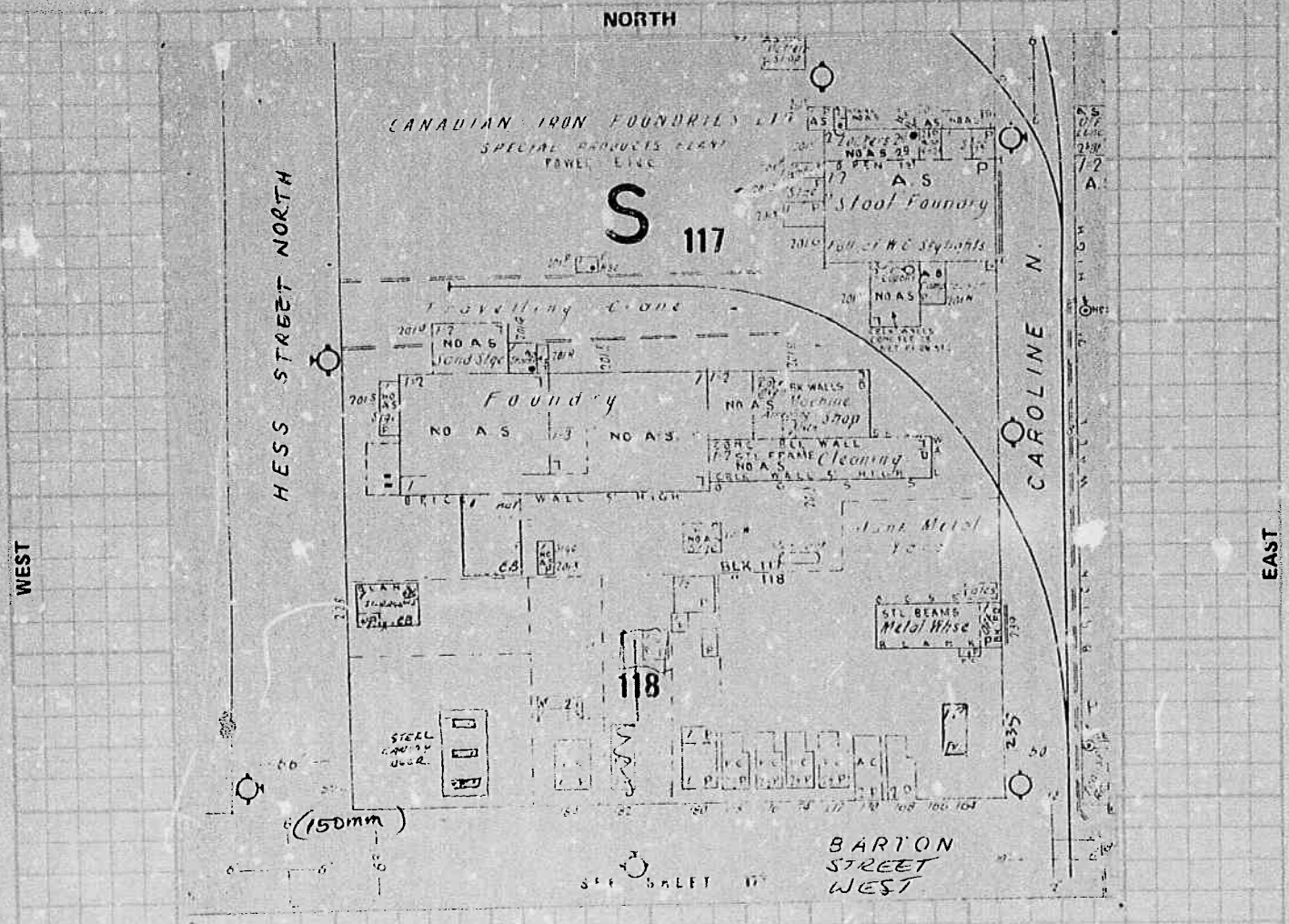
- NEIGHBOURHOOD: Isolated ☐; Residential ☐; Commercial ☒; Industrial ☒; Congested/Conflagration Hazard ☐ (describe) _____

- OPINION OF RISK: Excellent ☐; Good ☐; Average ☒; Poor ☐ (describe) _____

ONT. 2000c - 9/81

- continued -

DIAGRAM IAO PLAN: Sheet No. 106 ; Block No. 118 ; Plan No. 228 ; NOP ☐; Scale: 1cm = 6m ☐ 1cm = 12m ☒



228 HESS STREET NORTH
HAMILTON

BUILT IN: 1960's
ADDITIONS: NIL

TERR. 92 IND. 553 COMB. 4 PROT. 2

EXPOSURE - (SECTION VII)

WALL OF BUILDING BEING RATED					BETWEEN BLDGS.		FACING WALL OF EXPOSURE						
Direction	Blnk.	Comb. & Non-Comb	Msnry. Up	Msnry. Sp	Distance	Party Wall	Blnk.	Msnry. Sp	Msnry. Up	Non-Comb.	Comb.	Occ'y Haz.	Length / Height
NORTH													
SOUTH													
EAST													
WEST													

Requested by: Continental Ins. Co.

Sig. Of Insp. R. Morando

Dt. Oct. 14/82 (Inspected) / Oct. 21/82 (Written Up)

Report Date: (Dt. Request Recd. in IAO Service Office)

Revised By: _____

Dt. _____ / _____

ONT. 2000c - 9/81

ENVIROSCAN Report

Risk control survey Report - 2007 DKs Gas Bar INC 198 Barton St W Hamilton ON L8R2H3

Requested by:
Tracey Schranz
Date Completed: 10/06/2017 11:41:27

OPTA INFORMATION INTELLIGENCE

Risk control survey Report - 2007 DKs Gas Bar INC 198 Barton St W Hamilton ON L8R2H3

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EXPRESS

The Economical Insurance Group
Risk Control Survey

General Information

Office Requested By:	**Hamilton**	Completed report to be return to:	**Adelaide Jakubowski**
Broker Name:	Acumen Insurance Group Inc	Policy #:	4935332
Name of Insured:	DK's Gas Bar Inc		
Location Address:	198 Barton Street West, Hamilton, ON		
Contact Name:	Dalip Chan		
Previous Losses:			
Occupancy	Full service gas bar and convenience store		
Location Coverage:		Building Coverage:	$229,000
Contents		Equipment:	
Business interruption	$962,000	GL/umbrella limits	
Crime:	$10,000	Others:	

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Survey Date (m/d/y): **January 30, 2007**

Surveyed By: **Dave Schutz, FIIC**

Basic Construction

Construction-related deficiencies / recommendations: ☐ Yes ☒ No

Year built:	1980 Est			# of levels:	1		
Describe additions:	N/A						
Basement:	☐ Full	☐ Partial		☒ N/A			
	☐ Finished	☐ Partial Finished		☐ Unfinished			
Grade floor area:	1,141 sq. ft.	106 m^2		Total area:	1,141 sq. ft.	106 m^2	
Area occupied by insured:	1,141 sq. ft.	106 m^2					
Exterior walls:	CBBF & CB/Aluminum Clad			Floors:	Concrete		
Roof:	Peaked, wood joist, composite shingles						
Significant adjacent exposures:	☒ Yes	☐ No	If Yes, Describe:		1 m (3') east is a 1 storey masonry building occupied as an automobile body repair garage		
Is this location included within a block of properties:	☐ Yes	☒ No	If yes, approx range of addresses:				

This report is based on conditions and practices observed at the time of our inspection and information supplied by management personnel. It does not purport to list all hazards nor to indicated that other hazards do not exist. Inspections and recommendations made by Economical Insurance Group are for insurance purposes only. Any decision on measures to be taken, as well as their implementation and control, shall be the sole obligation and responsibility of the insured. No representation is made that compliance with any or all recommendations guarantees the fulfillment of your obligation as may be required by law or contract, or render your premises or products free of hazard or risk. By delivery of this report, Economical Insurance Group does not assume any responsibility for discovery, notification or elimination of hazards or risks. Economical is entitled to fully or partly disclose this report whenever it considers it necessary to apply for reinsurance coverage and when required to do so by law, statute or regulations of public authorities and courts.

EXPRESS

The Economical Insurance Group
Risk Control Survey

Common Hazards

Common Hazard Related deficiencies / recommendations: ☐ Yes ☒ No

Housekeeping:	☐ Excellent	☒ Good	☐ Average	☐ Below Average	Comments:
Electrical:	☒ Original OR Specify Year Renovated: ☒ Maintained ☐ Unsafe If unsafe – Comments:				
Heating Appliances:	☒ Original OR Specify Year Renovated: ☒ Maintained ☐ Unsafe If unsafe – Comments:				
Plumbing:	☒ Original OR Specify Year Renovated: ☒ Maintained ☐ Unsafe If unsafe – Comments:				
Roof Cover:	☒ Original OR Specify Year Renovated: ☒ Maintained ☐ Unsafe If unsafe – Comments:				
Further comments on the above:	The building s approximately 20 years with the common hazards all being original installations. The roof surface appeared to be in good condition.				

Special Hazards

Special Hazard related deficiencies / recommendations: ☐ Yes ☐ No

Commercial Cooking:	☒ None	Acceptable: ☐ Yes ☐ No		Comments:
	☐ Deep Fat Frying	☐ Wet Chemical	☐ Dry Chemical	☐ Other: Specify:
Flammable Liquids:	☒ None	Acceptable: ☐ Yes ☐ No		Comments:
Spray Finishing / Booth:	☒ None	Acceptable: ☐ Yes ☐ No		Comments:
Welding On / Off Site:	☒ None	Acceptable: ☐ Yes ☐ No		Comments:
Dust Collection:	☒ None	Acceptable: ☐ Yes ☐ No		Comments:
Other special hazards:	☐ None	Describe / Comments: Underground storage gasoline fuel tanks. Fuel storage levels are checked several times a day to determine any possible leaks. The above ground erect propane storage tank is adequately protected against vehicle impact by permanently installed concrete posts.		

Note: Cooking and Special Hazards must be acceptable as per Express Qualifying Criteria / Risk Profile.

Fire Protection

Fire Protection related deficiencies / recommendations: ☒ Yes ☐ No

Public					
Responding fire department:	☒ Full time	☐ Volunteer	☐ Composite	Distance to closest fire station:	2 km
Hydrant protected: (two within 500 feet)	☒ Yes	☐ No			
Private					
Are there apparent fire protection deficiencies:	☐ Yes	☒ No	Comments:		
Adequate portable fire extinguishers:	☐ Yes	☒ No	Date serviced: **Untagged (Recommendation Made)**		
*Automatic fire sprinkler protection:	☐ Yes	☒ No	Sprinkler Comments:		

***Note:** If the property is sprinklered, no testing of the sprinkler system or evaluation of the water supplies was made.

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Form #: RC Express (Aug 2006)

EXPRESS

The Economical Insurance Group
Risk Control Survey

Crime

Crime related deficiencies / recommendations: ☒ Yes ☐ No

Overall protection adequate for occupancy:	☒ Yes	☐ No	Comments:					
Alarm system:	☒ Yes	☐ No	Adequate:	☒ Yes	☐ No	Comments: The burglar alarm is connected to a ULC listed monitoring station.		
Door / window physical protection adequate:	☒ Yes	☐ No	Comments: Bars on the doors and windows appear to adequately secured.					
Safe in use:	☐ Yes	☒ No	Comment on type / location, etc:					
Sale of tobacco	☒ Yes	☐ No	Approx. Stock Value:	Not Disclosed	Protection Adequate:	☐ Yes	☒ No	

Premises / Occupiers Liability

Liability related deficiencies / recommendations: ☒ Yes ☐ No

Are there obvious trip / slip / fall hazards:	☒ No	☐ Yes	If Yes, describe:	
Insurance certificates obtained for all contractors / subcontractors:	☒ No	☐ Yes	If No, describe:	
Snow removal contract in place:	☐ No	☒ Yes		
If No, who is responsible for snow removal:				
Liquor sales on the premises:	☒ No	☐ Yes	If Yes, describe:	
Attitude of management:	☐ Excellent ☐ Good ☒ Fair ☐ Poor ☐ Indifferent			

Remarks & Responses to Specific Qualifying Criteria

This risk consists of a convenience store and a full service gas bar with regular, supreme and diesel automobile fuel sales plus propane sales for both automobile and household barbeque tanks. The gas bar service attendent has been trained and is certified in the use and dispensing of both gasoline fuels and propane gas. The attendent operates from a masonry kiosk located at the pumps. There are 3 Supreme gas pumps, 5 Regular pumps, 1 Diesel pump and 1 Propane pump. In addition there is a separate propane gas distribution centre in the southeast corner of the property.

Risk Assessment

Category:	Excellent	Good	Average	Below Average
Physical condition:	☐	☒	☐	☐
Business:	☐	☐	☒	☐
Housekeeping:	☐	☐	☒	☐
Neighbourhood:	☐	☐	☐	☒

Note: See last page for Risk Assessment parameters.

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Form #: RC Express (Aug 2006)

XPRESS

The Economical Insurance Group
Risk Control Survey

Overall Risk Control Opinion (select one only)

☐ 1	☐ 2	☐ 3	☐ 4	☐ 5	☒ 6	☐ 7	☐ 8	☐ 9
Above Standard			Standard			Below Standard		

Comments: This risk is located in the northern sector of the City of Hamilton. The risk consists of two separate buildings. The retail store and the gas kiosk. The insurer's survey request did not indicate any contents coverage and if that is the case the recommendation dealing with the tobacco storage is not mandatory since the insured would be responsible for any subsequent loss of contents. The insured was not overly co-operative in connection with the completion of this survey.

Overall Summary

Is this risk consistent with the risk profile / qualifying criteria for this category:		☒ Yes ☐ No	Comments:
Extent of this risk control survey:	☒ Full Access	☐ Limited Access	☐ Drive By / Exterior Observation Only
Coverage limits appear adequate:	☐ Yes	☒ No	Comments: The building coverages appear to be high. The amounts provided may include contents. The Business Interruption coverage also appears to be high however this coverage can be verified by the underwriter by obtaining a copy of the insured's annual financial statements.

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Insert Photos

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EXPRESS

The Economical Insurance Group
Risk Control Survey

Broker Name: Policy #:
Name of Insured:
Address(es):
Survey Date:

Note: These recommendations have been made as the result of a risk control survey of the insured location. The implementation of these recommendations is important in the interest of improved loss prevention measures and the elimination of potential hazards or exposures to loss. These recommendations need to be delivered to the attention of the insured for their action and response.

Recommendations: ☐ None Made

Response due: ☐ 15 days ☐ 30 days ☒ 45 days

2006 – 1	☐ Imperative	☒ Important	☐ Advisory Improvement
	All portable fire extinguishers in your premises should be serviced and tagged annually by an authorized serviced contractor to ensure good working order in compliance with N.F.P.A. # 10 Code standard requirements.		
2006 – 2	☐ Imperative	☒ Important	☐ Advisory Improvement
	A Certificate of Liability Insurance for the contractor responsible for the snow and ice removal should be obtained and maintained on file with a copy of it mailed to the Insurer.		
2006 – 3	☐ Imperative	☐ Important	☒ Advisory Improvement
	Consideration should be given to installing a metal storage cabinet that consists of a metal door that can be locked at night to prevent smash and grab type losses of the tobacco products on display. Since the insurer apprantly does not insure the contents, this recommendation is for the insured's protection and therefore is advisory only.		
2006 – 4	☐ Imperative	☐ Important	☐ Advisory Improvement
2006 – 5	☐ Imperative	☐ Important	☐ Advisory Improvement

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Form #: RC Express (Aug 2006)

Category Parameters

Physical Condition:

Excellent: no evidence of depreciation; all services (electrical, heating, plumbing) updated in last 10 years
Good: well maintained; minor depreciation visible; all services (electrical, heating, plumbing) updated in last 25 years and well maintained
Average: structurally sound; moderately worn but still serviceable; services (electrical, heating, plumbing) may be older than 25 years well maintained
Below Average: more than one service (electrical, heating, plumbing) over 25 years old; unsafe and/or requires work

Business:

Excellent: in business more than 5 years; exceptional growth and profit; no payment problems; experienced and dynamic management demonstrated
Good: in business 3 years; strong growth and profit; no payment problems; experienced and capable management demonstrated
Average: stable business; growth and profit typical for industry; no payment problems; sound management practices demonstrated
Below Average: volatile business; minimal profit and/or growth; slow payment incidents; casual management practices demonstrated

Housekeeping:

Excellent: exceptionally clean and tidy; no unsafe conditions
Good: well maintained; attention to detail; no unsafe conditions
Average: normal cleanliness; no unsafe conditions
Below Average: untidy conditions; evidence of unsafe practices

Neighbourhood:

Excellent: prosperous and expanding; no crime evident; no vacancies or business failures
Good: established and growing; crime incidents very infrequent; minimal vacancies and business failures
Average: stable; occasional crime incidents; vacancy and business failure rates under 10% annually
Below Average: deteriorating; frequent crime incidents; high rates of business failure and vacancy.

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Siteplan Report - 1976 182 Barton St W Hamilton ON L8R2H3

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4.

DIAGRAM

(Scale 1" = 50' ☒, or 1' = 100' ☐)

NORTH

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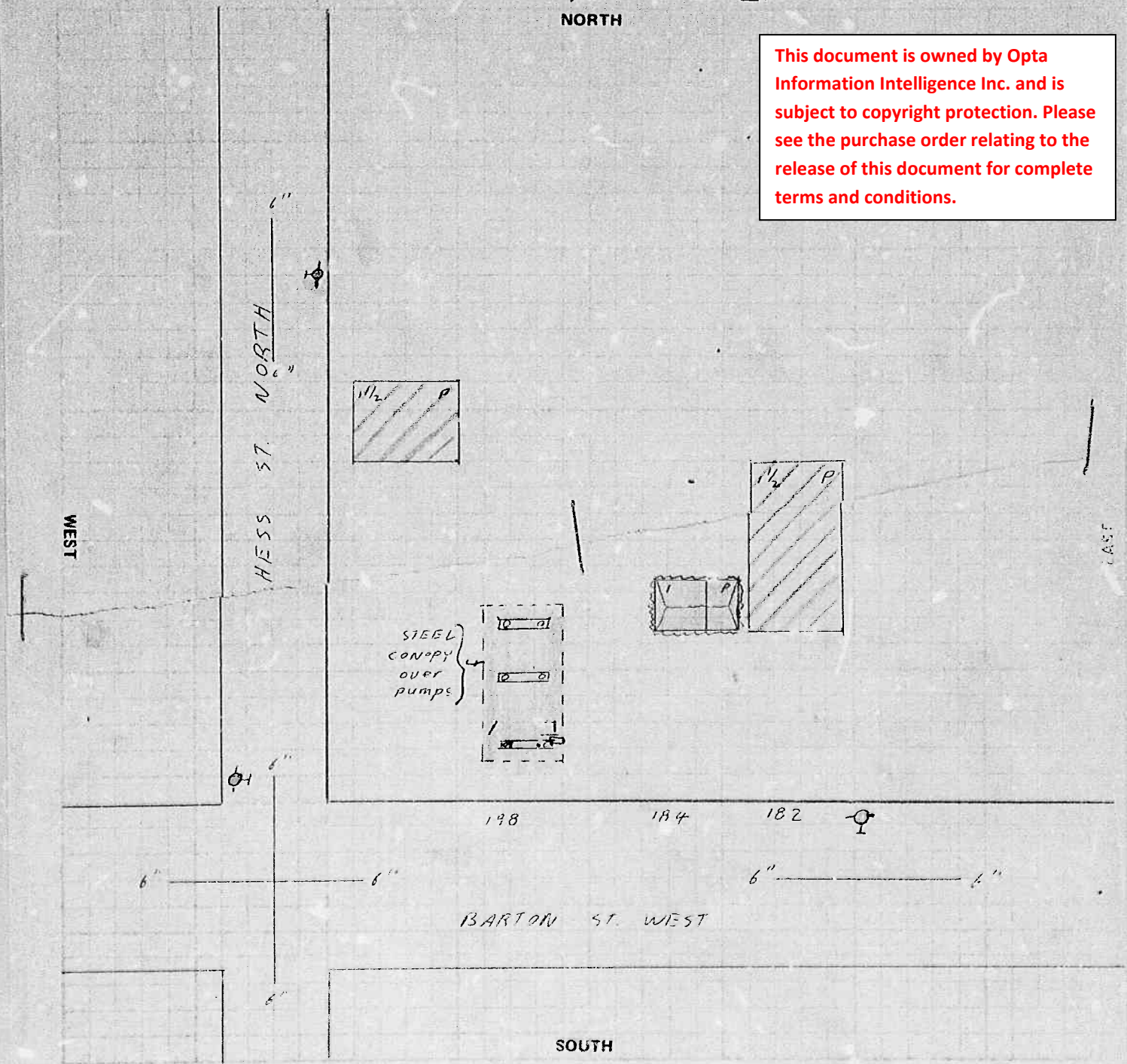

SOUTH

EXPOSURE: **Note -- These questions must be answered fully.**

NORTH	91	ft. to building built of	HCB	1½	stories high, occupied as	Warehouse	
SOUTH	50	" "			" "	BARTON ST. WEST	
EAST	5	" "	HCB	1½	" "	AUTO BODY SHOP	
WEST	125	" "			" "	HESS ST. NORTH	

Requested by: Commercial Union

Signature of Inspector: Pete N. Marshall

Date: 6/4 19 76

Facility Association Garage Survey Report - 2001 NK Auto Sales 162 Barton St W Hamilton ON L8R2H4

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Facility Association Garage Survey

CONFIDENTIAL

NOTE: This report does not guarantee compliance with any standards or with any federal, provincial or municipal codes, ordinances or regulations.*

INSURED:N. K. Auto Sales	SURVEYED BY: D. Schutz, FIIC
ADDRESS:162 Barton Street West	IAO TRACKING NUMBER: 5557786
Hamilton, Ontario. L8R 2H4	DATE OF SURVEY: 2001/08/27
	NAME OF CONTACT: Naji Arafat
ADDRESS OF BUSINESS: Same as Above ☒	PHONE NUMBER: (905) 525-3003
	POLICY NUMBER: 1938188
BROKER'S NAME: Adnan Bihan	EFFECTIVE DATE:

COMPANY PRINCIPALS:	TITLE
1. Khaled Abudagga	Owner
2.	
3.	
4.	
5.	

BUSINESS DESCRIPTION

PERSON INTERVIEWED: Naji Arafat
POSITION WITH INSURED: Partner with other business interests

MAIN BUSINESS:	Used car sales		
SECONDARY BUSINESS:			
AT THIS LOCATION SINCE:	1999(YEAR)	☐ OWNER	☒ TENANT
IN THIS BUSINESS SINCE:	2001 (YEAR)		
OTHER LOCATIONS:	☒ No	☐ Yes	
SPORT SPONSORSHIP:	☒ No	☐ Yes	
RACING INVOLVEMENT:	☒ No	☐ Yes	
SPACE SHARED WITH OTHER BUSINESSES:	☐ No	☒ Yes	
LOSSES OR CLAIMS:	☒ No	☐ Yes	

BUILDING

BUILDING HEIGHT:	1 (Stories)
WALL CONSTRUCTION:	Concrete Block
FIRE EXTINGUISHERS STANDARD:	# 1 ☐ No ☒ Yes

*IAO/CRRS reports, prepared in compliance with commonly accepted risk control standards existing at the time services are rendered, are developed from an inspection of the premises and/or from data supplied by or on behalf of the Purchaser. IAO/CRRS does not purport to list all hazards. While changes and modifications, referred to in the reports are designed to upgrade protection and loss prevention of premises, IAO/CRRS assumes no responsibility for management and control of these activities. IAO/CRRS will not be responsible to the Purchaser for any losses or damages, whether consequential or other, however caused, incurred or suffered as a result of the services being provided.

SPECIAL HAZARDS

FLAMMABLE LIQUIDS:	☒ No ☐ Yes
COMPRESSED GASES (propane, acetylene, ammonia, butane, etc):	☒ No ☐ Yes
SPRAY PAINTING:	☒ No ☐ Yes

GARAGE/SERVICE STATION OPERATIONS

VEHICLE REPAIRS:	☒ No ☐ Yes
SPRAY PAINTING:	☒ No ☐ Yes
FUEL DISPENSING (gasoline, diesel, etc.):	☒ No ☐ Yes
PROPANE DISPENSING, CONVERSIONS, REPAIRS:	☒ No ☐ Yes
NUMBER OF HOISTS:	N/A
NUMBER OF PITS:	N/A
SAFEGUARDS FOR PITS:	☐ No ☐ Yes ☒ N/A
CUSTOMERS DRIVE VEHICLES ON TO HOISTS:	☒ No ☐ Yes
WASTE OIL STORAGE (describe):	N/A

EMPLOYEES

No. OF ACTIVE PARTNERS:	1
No. OF FULL TIME EMPLOYEES:	0
No. OF PART TIME EMPLOYEES:	0

VEHICLES / DRIVERS

No. OF PASSENGER VEHICLES:	0
No. OF TRUCKS:	0
No. OF TRAILERS:	0
No. OF VANS:	0
OTHER VEHICLES:	0
ANY VEHICLES INSURED ELSEWHERE:	☒ No ☐ Yes
No. OF DEALER PLATES:	1
PERSONAL USE OF VEHICLES:	☒ No ☐ Yes If yes, equipped with dealer plates: ☐ No ☐ Yes
TOTAL No. OF DRIVERS:	2
No. UNDER 25 YEARS AGE:	0
VEHICLES LOANED /RENTED TO CUSTOMERS:	☒ No ☐ Yes

AUTOMOBILE DEALER

TYPE OF VEHICLES:	☐ NEW ☒ USED
No. OF NEW VEHICLES ON LOT:	03
No. OF USED VEHICLES ON LOT:	3
DIMENSIONS OF LOT:	40' X 40'
MAXIMUM No. OF VEHICLES ON LOT:	5

AUTOMOBILE DEALER CONT'D

SALES PEOPLE ACCOMPANY TEST DRIVERS:	☐ No ☒ Yes
METHOD OF DELIVERY TO DEALER:	☒ Driven ☐ Truck drop-off ☐ Other
VEHICLES OBTAINED FROM:	☐ Private ☒ Auction ☐ Wholesale ☐ Other

DETAILS

(Remarks, Business Description, Building, Special Hazards, Garage/Service Station Operations, Employees, Vehicles/Drivers, Automobile Dealers)

This risk is located on the north side of a busy thoroughfare in the northern sector of the City of Hamilton. The insured is strictly a used car operation and shares space with a sister company that services and maintains a taxi cab fleet also owned by the insured and insured separately. The insured purchases cars (mainly ex police vehicles) from the auction centre and re-sells the vehicles to taxi cab licensees.

Public sales of used cars is not the norm. The vehicles are stored in a fenced compound at the insured premises on Barton Street West. Most vehicles are purchased and re-conditioned to be used or sold as taxi cabs. This used car business has been in operation for three months and was established to supplement the automobile repair and taxi cab business insured under a separate policy of insurance.. The insured anticipates that they will turn over approximately 20 cars a year.

The insured representative was co-operative and responsive in connection with the completion of this report.

COMMERCIAL PROPERTY FIRE RATING FORM Report - 1982 VARGAA GARAGE 112 Barton St W Hamilton ON a

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COMMERCIAL PROPERTY FIRE RATING FORM

CODING			
IND.	TERR.	CONS.	PROT.
553	92	2	2

LOCATION HAMILTON NAME VARGA'S GARAGE FILE NO.

ADDRESS 112 BARTON ST WEST Insp'd. by D. Yu. Date 4/10/82

Rated by R CHECHAK Date 27/10/82

BASIC CONSTRUCTION: (SECTION II)

Construction Class 2 Bldg. Comb. Class

WALLS (ITEMS 210-215)

WALL AREA	MASONRY Wall Type	MASONRY Wall Thick.	FIRE RES. Dam. Type	FIRE RES. Fire Res.	NON COMB	COMB	DETAIL OF WALL CONSTRUCTION	% OF WALL PERIM	POINTS	CHARGES
	W- 1	10"	D-	HR			HCB	100 % x	— =	—
	W-		D-	HR				% x	=	
	W-		D-	HR				% x	=	
	W-		D-	HR				% x	=	
	W-		D-	HR				% x	=	

Columns in (or adjacent to) non-bearing masonry walls: Unprot. metal ☐ Comb. ☐

Panels in masonry or fire resistive walls: Comb. ☐ Non-comb. ☐ Glass ☐ Slow burning ☐

Special Conditions (Describe).....

FLOOR(S) AND ROOF (ITEMS 220-223)

LEVEL	DIMENSIONS	MAS. or F.R. Dam. Type	MAS. or F.R. Fire Res.	NON COMB	COMB	DETAILS OF FLOOR/ROOF MATERIALS	% of Total Floor/Roof Area	POINTS	CHARGES
Grade		D- 1	HR			6" CONC	50 % x	— =	—
		D-	HR				% x	=	
		D-	HR				% x	=	
Roof		D-	HR	✓		CL II T/D	43 % x	250 =	108
Roof		D-	HR		✓	WOOD JOIST	7 % x	300 =	21

Total Basic Construction Charges: 129

Schedule Base ..... + 150

Building Base ..... = 279

Building Base x 1.0 Comb. Modifier (ITEM 230) x .001 = **BASIC BUILDING RATE:** 1.279

(carried fwd. overleaf) *

SECONDARY CONSTRUCTION: (SECTION III) — % CHARGE

Height: (ITEM 300) Nbr. Storeys 1 Bast. NO Comb. Stories (Without ground level access) —

Vertical Openings: (ITEM 310)

Type	Fm	To	Enclosure	Doors	% Chge.
NA					1st. —
					+
					+

Area: (ITEM 320) ... x ..., ... x ..., ... x ...

Grade Floor Area 280 m2 Total Area Effective Area 280 m2 —

Roof Surface: (ITEM 330) Approved ☑ Other (Described).....

Combustible Concealed Spaces: (ITEM 340) Roof Space; Percentage of total roof area ____% .....

Ceiling Space; Percentage of total floor area ____% .....

Combustible Interior Construction: (ITEM 350)

Floor Surfacing; Percentage of total floor area ____% .....

Interior Walls or Partitions; Percentage of total exterior wall area ____% .....

Mezzanines or Decks; Percentage of total floor/roof area ____% .....

Combustible Interior Finish or Insulation: (ITEM 360)

Walls: Percentage of total area of exterior walls; Ord. Dam. ____% Spec. Dam. ____% ....

Roof & Floor(s): Percentage of total area of ceilings; Ord. Dam. ____% Spec. Dam. ____% ....

Combustible Exterior Finish or Attachments: (ITEM 370) .....

Building Condition: (ITEM 380) Good ☐; Average ☐; Poor ☐; .....

Total Secondary Construction Charges: 0

(carried fwd. overleaf) **

OCCUPANCY: (SECTION IV, V, VI & VII)

S... No. Floor	Floor Area	% of Total Area	Occ'y Item No.	Name and Description of Occupancy and Hazards	Basic Occ'y Charge	Hazard Charges	Sep'd. Occ'y Factor	Total Occ'y Charge	Comb. Cl.	Susc. Cl.	Ind. Code
Common Hazards Applicable to Building				GAS FIRED UNIT HEATERS		3					
			508	VARGA'S GARAGE	75			96	M3	S3	553
				- AUTO BODY SHOP - 2 HDS							
				- PAINT SPRAY ROOM. 730-3C1A		9					
				- 25 GAL CL II HOD. 730-2C3A		NC					
				- HANDLING " " " 730-2EC2		12					
TOTAL											

Building IND. CODE 553

Major Occupancy Charge (largest occupant; by area occupied) ..... 96 %
20% of _____ (next 10 highest additional Total Occupancy Charges) ..... — %
Common Hazards applicable to the Building ..... 3 %
Net Occupancy Charge ..... 99 %
L1, L2 Area _____ %
Net Occupancy Charge x _____ Occ'y Mod. Factor (ITEM 418) ..... = 99 %
**Total Secondary Construction Charge (brought forward from overleaf) ..... + — %

EXPOSURE: (SECTION VIII) Non Chargeable ☑

Facing Wall of Exposure						Facing Wall of Risk		Exposure Distance
Masonry Semi Prot.	Masonry Unprot.	Non-Comb.	Comb.	Comb. Cl.	Lth./Ht.	Comb. & Non-Comb	Masonry Unprot.	

Exposure Charge ..... + _____ %
Party Wall Exposure Charge (ITEM 831) ..... + _____ %
Communication Charge (ITEM 832) ..... + _____ %
+ 100 %

* (brought forward from overleaf) BASIC BUILDING RATE .279 x 199 % = UNPROTECTED BLDG. RATE 555

MUNICIPAL PROTECTION: (SECTION IX)
F.U.S. Prot. Class 2 Revised Prot. Class _____
Dist. to Hydrants: Stdr. ☑ Non Stdr. ☐ ..... m. Accessibility: Good ☑ Poor ☐
Dist. to Fire Hall: Stdr. ☑ Non Stdr. ☐ .....km. Congested Area: Yes ☐ No ☑
Unprotected Bldg. Rate x .40 Protection Class Factor ..... = PROTECTED BLDG. RATE 222

BUILDING ADJUSTMENT FACTOR: (SECTION X)
Protected Bldg. Rate x 1.06 Building Adjustment Factor ..... = GROSS BLDG. RATE 235

INTERNAL PROTECTION: (SECTION XI)
Extinguishers Stdr. ☐ _____% Credit W. & C. Stdr. ☐ _____% Credit
S.P. & H. Stdr. ☐ _____% Credit Automatic Fire Detection System Stdr. ☐ _____% Credit
Automatic Sprinklers ☐ (Describe) ..... _____% Credit
Other Auto. Protection ☐ (Describe) ..... _____% Credit
GROSS BLDG. RATE _____ Less ____ % = _____ Less ____ % = _____ Less ____ % = FINAL BLDG. RATE 235

RATES CAPPED ± 25%

CONTENTS RATES (SECTION XII)

Ind. Code	Susc. Class	OCCUPANCY	Susc. Charge		Hazards Adj.		Conts. Adj. Factor		Adj. Conts. Charge		Gross Bldg. Rate		Gross Conts. Rate		Int. Prot. Factor		FINAL CONTS. RATE
ITEM →			1200		1210		1220										
553	S3	Auto Body Shop.	400	x	1.21	x	80	=	387	+	235	=	622	x	—	=	622
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	

COMMERCIAL PROPERTY FIRE INSPECTION SURVEY FORM Report - 1982 VARGAA GARAGE 112 Barton St W Hamilton ON a

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INSURERS' ADVISORY ORGANIZATION OF CANADA

☐ Mercantile Risk
☐ Miscellaneous Risk

COMMERCIAL PROPERTY FIRE INSPECTION SURVEY FORM

(Use this form for all Non-Manufacturing risks, and some Manufacturing risks with five hands or less, of all construction, but excluding Sprinklered properties)

Address : No. 112 Street/Road Etc,. Barton Street West
Municipality Hamilton (Formerly)
Owned by: Occupied by: Varga's Garage.
Age of building (Built in) 1940 : : . Additions (Built in) : : : : : .
Is building completely finished & out of workmen. hands? Yes ☒; No ☐ IBC Code: Terr: 92 Ind: 553 Cons: 2 Prot: 2

BASIC CONSTRUCTION - (SECTION II)

- EXTERIOR WALLS:

NSEW NSEW NSEW NSEW NSEW
(Refers to compass point direction of wall, i.e. North, South, East or West)

☒ INDEPENDENT ☒ BEARING ☐ NON-BEARING ☐ PARTY ☐ PARAPET

(Describe material & thickness of all walls including make-up of combustible walls & any fire retardant impregnation. Also, check off appropriate wall supports below:)
250mm (10") HOB

COLUMNS OF WOOD ☐; HEAVY WOOD (min. 150mm x 300mm) ☐; UNPROTECTED STEEL ☐; PROTECTED STEEL ☐, protected by _____ having a fire-resistance rating of _____ hrs.
PANELS of Non-Combustible material or GLASS ☐; COMBUSTIBLE ☐ (describe) _____
Wall: N. _____%; S. _____%; E. _____%; W. _____%.

- FLOORS & ROOF: (Describe Floor & Roof Materials Including Thickness & Nature Of Supports)

Floor Level	% Auto. Spk. Sec	Fire Resistive & Masonry	Fire Res. in Hrs.	Non-Combustible	Combustible
Grade		150mm (6") Conc	+ 3		
Roof				85% cl. T metdk/FS	15% Wood

COMBUSTIBLE FLR. on LOWEST BASEMENT Level: Yes ☐; No ☐. If Yes, Describe & Give Percentage - _____

SECONDARY CONSTRUCTION - (SECTION III)

- HEIGHT: (Nbr.) 1 Storeys High; Basement: Yes ☐; No ☒. (Nbr.) ___ Combustible Storeys Without Ground Level Access.
- VERTICAL OPENINGS: Elevators ☐; Stairs ☐; Other ☐ (describe) _____.
(Describe Construction & Type of Enclosure (s) & Door (s) Fully)

Elv., Stairway or Other	Nbr.	From:	To:	ENCLOSURE(S)	DOOR(S)

- AREA: Basement : x ; x ; x = m²
1st. Floor : 7.6m x 12.2m ; 4.6m x 7.2m ; 12.2m x 12.2m = 280 m²
2nd Floor : x ; x ; x = m²
3rd(& Other): x ; x ; x = m²
Separation Walls ☐ (describe) _____. Total Area 280 m²

EFFECTIVE AREA: 280 m²

- ROOF SURFACE: Non-Combustible ☒ (describe) Tar + Gravel. Combustible ☐ (describe) _____.
Patent (☒). FALSE ROOF over Masonry or Fire Resistive Roof ( ) (describe) _____.

- COMBUSTIBLE CONCEALED SPACES: Combustible Space In Roof ☐, &/or Ceiling ☐. If In Roof, Is This An Attic ☐, Cut Off ☐, Shut Off ☐, With Access Limited By Trap(s)/Hatchway(s) ☐. In Proportion To Total Roof/Ceiling Area COMBUSTIBLE CONCEALED SPACE Comprises ___% In ROOF &/or ___% In CEILING. Describe _____.

- continued -

- COMBUSTIBLE INTERIOR CONSTRUCTION: Floor Surfacing ☐ (describe & give % of total floor area affected) _____.
  Partitions/Walls ☒ (describe & give % of total interior wall area) _____.
  Mezzanines/Decks ☐ (describe & give % of total area of floors & roof) _____.

- INTERIOR FINISH or INSULATION: (Specify Where SPECIAL DAMAGE Materials Are Used)

Specify FLOOR	1st					
Walls:	HCB/o					
Ceiling:	OSJ 15% Gyp					
Interior Partitions	HCB					
Smoke Developed						
Flame Spread						

Ordinary Damage Materials Attached To Fire Resistive or Non-Combustible Walls ☐ and/or Ceiling ☐

- COMB. EXTERIOR ATTACHMENTS OR FINISH: Attachments ☐ Comprise Of (describe & give chargeable %) _____.
  Finish ☐ Comprises Of (describe & give chargeable %) _____.
  Smoke Developed - 200 or Less ☐; Over 200 ☐; Flame Spread Rating _____.
  None Of The Above ☐. Are Attachments/Finish Attached/Applied To Fire Resistive or Non-Comb., Walls or Roof? Yes ☐; No ☐.

- BUILDING CONDITION: Moderate ☐, Major ☐, Extreme Deficiencies ☐. Describe Sub-Standard Structural Conditions _____.

COMMON HAZARDS - (SECTION VII, Items 720-724)

- HEATING:
  Building Heated? Yes ☒; No ☐. Borrowed Heat ☐. Describe Heating System Including Controls & Fuel Used: Gas fired unit heaters.
  Describe Chimney(s) & Deficiencies If Any: Factory built metal.

- ELECTRICAL: FUSES: Type "S" ☐; Type "C" & Rejector System ☐; Circuit Breakers ☒; ORDINARY ☒; Used Exclusively ☐.
  Aluminum Wiring ☐; Rigid Conduit ☐; Other ☐ (describe) _____. Open ☐.
  Electrical Equipment Defects: None ☐; Minor ☐; Moderate ☐; Major ☐; Serious ☐. Describe Condition: _____.

- HOUSEKEEPING: See General Underwriting Comments Section (Page 3)

MUNICIPAL PROTECTION - (SECTION IX)

- FIRE DEPARTMENT: Risk Within 2.5 km Of Nearest Fire Hall? Yes ☒; No ☐. If No - State Distance To Fire Hall: _____km.

- HYDRANTS: Two Hydrants Within 155m of Risk? Yes ☒; No ☐, And All Parts Of Building Within 155m Of At Least One Hydrant? Yes ☒; No ☐. MAINS - 150mm ☐; 200mm ☐; 300mm ☒. Other (describe) _____.
  Circulating ☒; and/or Dead End ☐ Mains. Describe Deficiency (if any): _____.

- ACCESSIBILITY: Risk Accessible At Least On One Side By Street 15m In Width? Yes ☒; No ☐. If No - Describe _____.

- CONGESTED AREA: Congested/Conflagration Hazard Prevails? Yes ☐; No ☒. If Yes, Describe Under General Underwriting Comments.

- PRIVATE PROTECTION: Is There Exclusive Private Protection ☐, Or Supplement To Municipal Protection ( ). Describe _____.

INTERNAL PROTECTION - (SECTION XI)

- MANUAL FIRE FIGHTING EQUIPMENT: Standard ☐; Non-Standard ☒. (See Occupancy Section, page 3).

- WATCHMAN SERVICE: Standard ☐, Including Proprietary Supervision ☐, Including Central Station Supervisory Ser. ☐. Describe: _____.

- AUTOMATIC FIRE DETECTION SYSTEM: Full Protection ☐; Partial Protection (i.e. Minimum Requirements) ☐; Describe (& Attach Form No. 2184-6/80, for Automatic Fire Alarm Detection Systems, After Completion) _____.

- PARTIAL AUTOMATIC SPRINKLER SYSTEMS: Acceptable Waterflow Alarm To Approved CENTRAL STATION ☐, No Such Alarm ☐. Total area Protected by Automatic Sprinklers Comprises _____ M^2.

- OTHER LIMITED AUTOMATIC FIRE PROTECTION SYSTEMS: (Other Than A.S.) Area Protected by: HALON ☐; CO_2 ☐; HIGH EXPANSION FOAM ☐; Other (describe) _____, Comprises _____ m^2.

- continued -

- continued

COMMERCIAL PROPERTY FIRE INSPECTION SURVEY FORM
OCCUPANCY & SPECIAL HAZARDS - (SECTIONS IV, V, VI & VII)

- SEPARATED OCCUPANCY: Is There Any Occupant(s) Cut-Off VERTICALLY ☐ /HORIZONTALLY ☐? Yes ☐; No ☐.
If Yes - Such Occupant Occupies _____ m^2, Comprising _____ % Of The Total Floor Area;
Describe: _____.

OCCUPANCY DETAILS: Indicate: 1) Business Name Of Each Tenant, 2) Special Hazards Including Process Operation(s) And Faults Of Management, 3) Number, Type and Location Of Manual Fire Fighting Equipment, 4) Any Other Exceptional Features Of The Risk Not Discussed Elsewhere, and 5) Any Vacant Section(s).

CIVIC NO.	FLOOR LEVEL	AREA (m^2)	IBC IND. CODE	
112	1st	280	553	Varga's Garage. Occupy 190 m^2 as an automobile body shop. Two hands are employed. Acetylene welders are in use. One paint spray room. Approximately 2 gallon of paint and one 22.4 L (5 gal) lacquer thinner are stored in a cabinet in the spray room (FP 4°C or 40°F) Protection: TWO 2A10BC (Nov 1979) Mechanical repair is done in a segregated area. One solvent degreaser is equipped with a metal lid which can be closed manually. One acetylene welder. Protection: One 2A 10BC (Nov 1979)
Total Floor Area	280	553	← (Building Owner's Interest)	- Continued on attached sheet ☐ -

GENERAL UNDERWRITING COMMENTS

- HOUSEKEEPING & MAINTENANCE: Excellent ☐; Good ☐; Average ☒; Poor ☐ (describe) _____

- NEIGHBOURHOOD: Isolated ☐; Residential ☐; Commercial ☒; Industrial ☒; Congested/Conflagration Hazard ☐ (describe) _____

- OPINION OF RISK: Excellent ☐; Good ☐; Average ☒; Poor ☐ (describe) _____

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FIRE INSPECTION & RATE CALCULATION Report - 1976 112 Barton St W Hamilton ON a

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1976

INSURERS' ADVISORY ORGANIZATION OF CANADA

ONTARIO REGION
MERCANTILE RISKS

FIRE INSPECTION AND RATE CALCULATION FORM

1.

(Use this form for risks of all construction (excluding fire resistive) rated from the Mercantile Masonry Schedule or the Mercantile Brick Veneer – Frame Schedule.)

LOCATION: HAMILTON
ADDRESS: 112 BARTON ST. WEST.
(Formerly)
IAO PLAN – Sheet No.: 106; **Block No.:** 120; **Plan No.:** 12, 12A; **NOP** ☐; **See Attached Diagram** ☒

		Charges	Ded.
WALLS:	IND. ☒ (L.R.F.B.); PARTY ☐ (L.R.F.B.); B.B/HCB., S.CONC., HCB (67%), H.T., B.V., R.C., M.C., AS.C., P.C. (33%), FR.	20	
	EXPOSED WALL (NOT PARAPETTED) – L., R., F., B.	2	
	GLASS/METAL PANELS – L.....%, R.....%, F.....%, B.....%		
	STEEL (or ASBESTOS) on STEEL FRAMEWORK, etc.,		
	MIXED CONSTRUCTION: Masonry 67 %; Brick Veneer .....%; Metal or Rigid Asbestos clad .....%; Other 33 % P.C.		
HEIGHT:	1 Storey(s); Basement: YES ☐ NO ☒	–	
AREA:	BT. ..... x ....., ... x ....., ... x ..... = — sq.ft.		
	1st. 20 x 40, 15 x 30, 40 x 40 = 2850 sq.ft.		
	2nd. ..... x ....., ... x ....., ... x ..... = ... sq.ft.		
	3rd. ..... x ....., ... x ....., ... x ..... = ... sq.ft.		
	4th. ..... x ....., ... x ....., ... x ..... = ... sq.ft.		
	Total (All Floors) 2850 sq.ft.		
	FLOOR AREA CHARGE — ¢. less (Curtain Walls) — %	–	
KEY RATE:	50 ¢, (Total Principal Charges 22 – 0 (deductions) = 22 ¢ for determining Key Rate)	50	
	Hydrant Deficiency OK		
FOUNDATION:	MASONRY ENCLOSED ☐ CONCRETE PAD ☒ POSTS ☐		
ATTACHMENTS:	(Describe) NIL		
ACCESSIBILITY:	Fire fighting restricted by: OK		
ROOF:	Blind Space — ft. Used for .....; Joist ☐; Other ☐ (Specify)		
	Mansard: Left ☐, Right ☐, Front ☐, 44% Back ☐; 56%		
	Covering: Wood Shingles ☐; Tarpaper ☐; Patent ☒; Other ☒ (Specify) 7/D	–	
ELECTRIC WIRING:	Used Exclusively – Type "S" Fuses ☐; Type "C" Fuses & Rejector System ☐; Circuit Breakers ☐; Ordinary Fuses ☒		–
FLOORS:	Grade floor CONCRETE ☒, Basement: YES ☐, NO ☒; Steel Supports: YES ☐, NO ☐		20
	Supporting Steel adequately protected: YES ☐ NO ☐;		
	Heavy Wood floor(s), with floor opening(s) protected – each floor ..... YES ☐ NO ☐		
EXPOSED STEEL:	COLUMNS & BEAMS – BT.Nbr. .....; 1st.Nbr. 4 x; 2nd.Nbr. .....; 3rd.Nbr. .....; 4th.Nbr.	5	
HEATING:	No heat ☐; Stoves ☐ Nbr. ..... O.G.C.W.; Quebec Heaters ☐ Nbr. ..... O.G.C.W.;		
	Furnace (Convection) ☐ Nbr. ..... O.G.C.W.; Furnace (Forced Air) ☐ Nbr. ..... O.G.C.W.;		
	Hot Water, Steam ☐ Nbr. ..... O.G.C.W.; Fire Resistive Room YES ☐ NO ☐;		
	Suspended Ceiling Units ☒ Nbr. 1 OG;	5	
	Electric Heating: Portable ☐, Permanently installed ☐;		
	Salamanders, Oil Drums, etc. (Describe)		
	Oil Burners – Listed YES ☐ NO ☐; Fuel Oil Tanks – Listed YES ☐ NO ☐		
CHIMNEYS:	SOLID BRICK FROM GROUND ☐ Nbr. .....; LISTED FACTORY BUILT ☒ Nbr. 1;	–	
	BRACKET ☐ Nbr. ....., Outside Bldg. ☐, Inside Bldg. Supported by floor or roof joists ☐;		
	METAL STACKS ☐ Nbr. .....; GAUGE STEEL ..... Ins., FOUNDATION		
	SMOKEPIPE DEFICIENCIES (Describe)		
	STOVEPIPE CHIMNEYS ☐ Nbr. .....; CLAY, CEMENT & ASBESTOS PIPES ☐ Nbr. .....;		
	DEFICIENCIES (Describe):		
	SUB-TOTAL (Carried forward)	82	20

– Continued –

Charges	Ded.
82	20
10	
–	3
–	–
–	
–	
	–

2. OCCUPANCY & PROCESS

NAME OF RISK: (Most hazardous tenant) Joseph Valga Auto Body — **Sheet No.** 106

Block No. 120

LOCATION: (i.e. Municipal address) **No.** 112 BARTON ST. WEST HAMILTON — **Plan No.** 12J12A

NOP ☐ **See Diagram** ☒

OCCUPANCY BY FLOOR: Indicate by "Business" name and also report briefly on:
(indicate any vacant section(s))
(i) Heating and location; (ii) Special hazards and processes if any; (iii) Location, number and type of extinguishers;
(iv) Any other exceptional feature of the risk, including heavy exposures.

Basement: NIL

1st. Floor: AUTO BODY SHOP - (1) F/A (gas) suspended ceiling, (1) 5BC extinguisher, spray painting (see form), welding (gas), (1) 5 hp. compressor, storage of 4 autos overnight.

2nd. Floor:

3rd. Floor:

Other Floors:

3. GENERAL UNDERWRITING COMMENTS

(a) **HOUSEKEEPING & MAINTENANCE:** Excellent ☐; Good ☐; Average ☒; Poor ☐, (If so, describe): (see charges under Faults of Management ☐);

(b) **NEIGHBOURHOOD:** Residential ☐; Commercial ☐; Industrial ☒; Congested Area ☐, (If so, describe):

(c) **OPINION OF RISK:** Excellent ☐; Good ☐; Average ☒; Poor ☐, (If so, describe): Number of Fire Divisions .../..... ; (show on Plan and indicate openings)

(d) **APPROXIMATE AGE OF BUILDING:** 50 years. Additions: NONE

1982-1976 Report - 1982 112 Barton St W Hamilton ON a

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1976

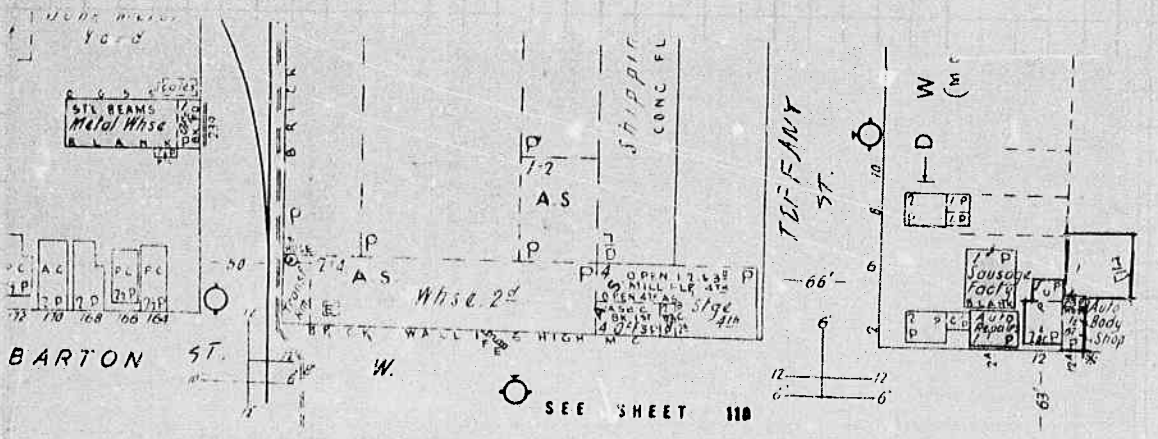
4.

DIAGRAM

(Scale 1" = 50" ☐, or 1" = 100' ☒)

NORTH

WEST



EAST

SOUTH

EXPOSURE: Note – These questions must be answered fully.

NORTH ..... ft. to building built of ....., ... stories high, occupied as .....

SOUTH ..... " " ....., ... " " OK

EAST ..... " " ....., ... " " .....

WEST 3 " " ACB, 1 " " Auto Repair

Requested by: Commercial Union

Signature of Inspector: [signature]

Date: 9/1 1976

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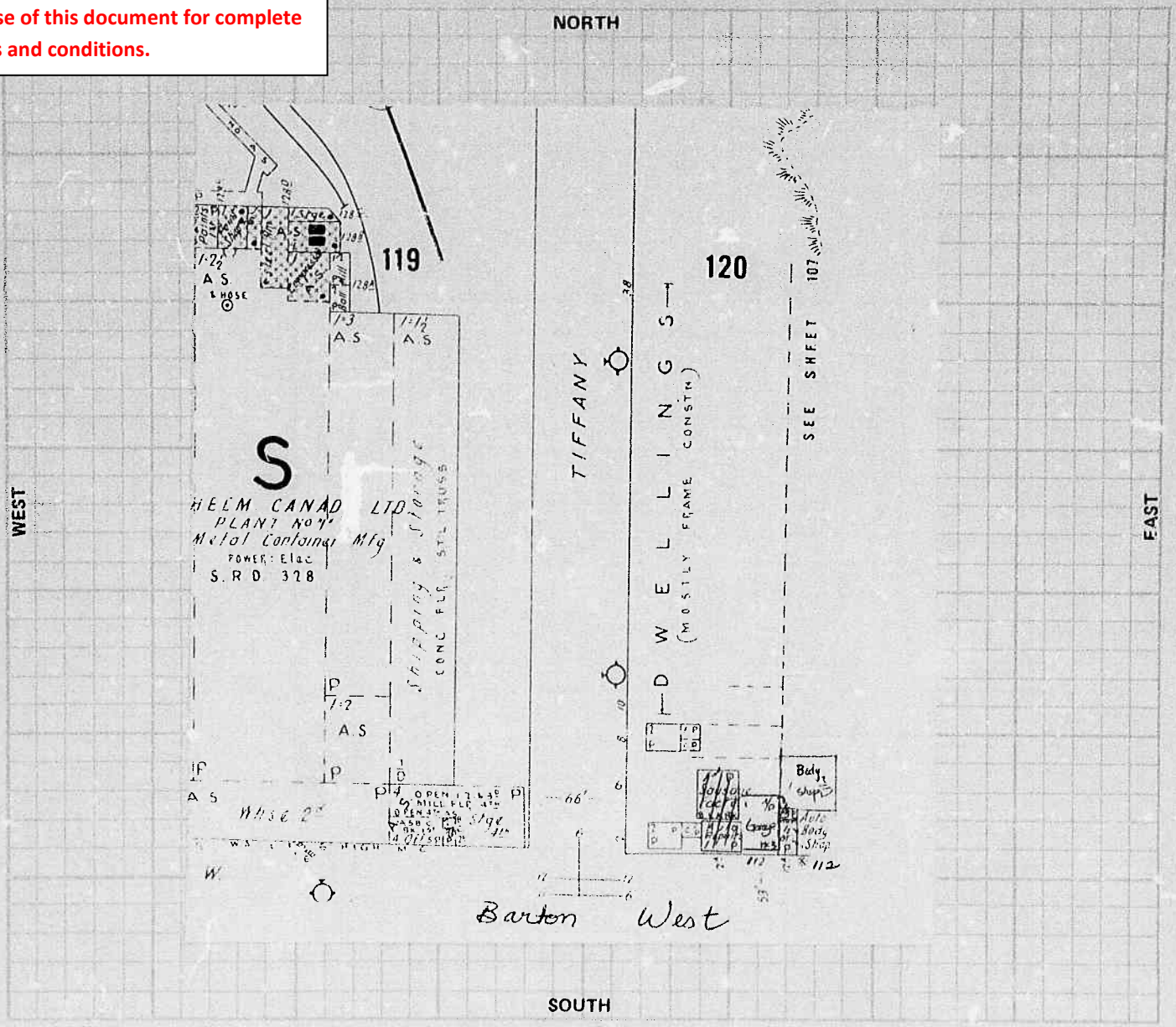
No. 106 ; Block No. 120 ; Plan No. _____ ; NOP ☐ ; Scale: 1cm = 6m ☐ 1cm = 12m ☒ Page 4 (of 4



EXPOSURE - (SECTION VIII)

WALL OF BUILDING BEING RATED					BETWEEN BLDGS.		FACING WALL OF EXPOSURE						
Direction	Blnk.	Comb. & Non-Comb	Msnry. Up	Msnry. Sp	Distance	Party Wall	Blnk.	Msnry. Sp	Msnry. Up	Non-Comb.	Comb.	Occ'y Haz.	Length / Height
NORTH	✓												
SOUTH	✓												
EAST	✓												
WEST	✓						✓					M.3	24

Requested by: Commercial Union

Sig. Of Insp. B Yu

Dt. Oct 4/82 (Inspected) / Oct 7/82 (Written/Up)

Report Date: _____ (Dt. Request Recd. In IAO Service Office)

Revised By: _____

Dt. _____ / _____

ONT. 2000c - 9/81

Inspection Report - 1974 The Corporation of the City of Hamilton 115 Barton St W Hamilton ON L8L1A9

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CANADIAN UNDERWRITERS' ASSOCIATION
CONFIDENTIAL
INSPECTION REPORT

ONTARIO BRANCH

File No: 5652 ..... Attach to (20)

Service Office: (H) Kn Kw L O S W F A

Map Checked [X] Corr. Yes [ ] No [ ]

Sh. 118 Bl. 166 NOP [ ]

Plan att. [ ] Filed at C.U.A. [X]

SPECIAL RISKS [X]
MFG. & SPECIAL HAZARDS [ ] DIVISION
OIL & PETROCHEMICAL [ ]

Name of Risk: The Corporation of the City of Hamilton. (Central Services Building).

Location: 115 Barton Street West, Hamilton Ontario.

Surveyed by: F. Abbinett Date: May 14, 1974.

1. OCCUPANCY

(a) Maintenance garage and warehouses.

(b) Grading of risk in class - Average [X] Above [ ] Below [ ]

2. CONSTRUCTION

(a) See Multiple Fire Section Sheet [X]
Single Fire Division [ ]

(b) Built in: 1920 Additions _____
Repair: Good [X] Fair [ ] Poor [ ]

(c) Height: Bst. [ ] 1+mezz Sto. (s) 30-50 Ft.

(d) Walls: See details

(e) Floors: See details

(f) Roof: 100% plank on exposed steel

(g) Supporting Steel Adequately Protected - Yes [X] No [ ]

(h) Total Grade Floor Area: 62.5 M Sq. Ft.

(i) Vertical openings: None [ ]
Partially [ ] Unprotected [ ]
Shut off [X] Cut off [ ]

(j) Interior Finish:

	Open	Other	Combustible
Walls	[ ]	[X]	0 %
Ceilings:	[X]	[X]	0 %

(k) Combustible Concealed Spaces:
None [X] Minor [ ] Major [ ]

(l) Smoke and Heat Venting:
Adequate: Yes [X] No [ ]

3. **HAZARDS** File No. 5652.

		None	Safe	Unsafe
(a)	Common Hazards		X	
(b)	Special Hazards		X	
(c)	Radio Active Material	X		
(d)	High Piling	X		
(e)	Housekeeping		X	
(f)	Hazardous Material		X	

Heating: None ☐ Borrowed ☐
Labelled X Unlabelled ☐
Gas X Oil ☐ Unit Heaters X
Boiler ☐ In cut off ☐ In shut off ☐
Open X Room ☐ Other ☐

Chimneys & Flues:
Standard: Yes X No ☐

(g) Exposures:

North: 130' to 2 storey steel frame metal clad sprinklered building.

South: 95' to 1 storey steel frame metal clad unsprinklered building.

East: 70' to 2 storey wood frame dwellings.

West: Open land.

(h) Activity: Busy ☐ Moderate X Quiet ☐ Hrs/Day 8 Days/Wk 5 Silent ☐

(i) Maintenance Welding - Yes ☐ No X
- Permit system used ..... Yes ☐ No X

(j) Smoking Restricted ..... Yes ☐ No X

(k) Electronic Data Processing Equipment ..... Yes ☐ No X

(l) Process Description: See tenant list.

File No. 5652

4. **PROTECTION**

(a) **Sprinklers:**

(i) 85 % Area Sprinklered ____ % Wet 100 % Dry

(ii) Date of Sprinklers: ...85.....% 1928....: ..15....% 1941....

(iii) Adequate protection against freezing Yes [X] No [ ]

(iv) Additional sprinklers required Yes [X] No [ ]

(v) Sprinkler equipment standard Yes [ ] No [X]

(vi) Alarms: LOCAL [X] U.L. app. full sup. service [ ] OTHER [X]

(vii) Water Supplies (a) Overall Grading - Standard [X] Fair [ ] Poor [ ]

(b) Primary - Municipal [X] Private [ ]

- Standard [X] Fair [ ] Poor [ ]

(c) Secondary - Required Yes [ ] No [X]

- Standard [ ] Fair [ ] Poor [ ]

(viii) Additional System details: Yes [ ] No [X]

(b) **OTHER**

	None	Non-Standard	Standard
(i) Extinguishers	[ ]	[ ]	[X]
(ii) Standpipes and Hose	[X]	[ ]	[ ]
(iii) Watchman Service	[X]	[ ]	[ ]
Forced tour system Yes [ ] No [ ]			
(iv) Special Equipment and Apparatus	[X]	[ ]	[ ]

(c) **Outside**

(i) Hydrants Public: None [ ] Standard [X] Non-Standard [ ]

Private: None [X] Standard [ ] Non-Standard [ ] Tested Yes [ ] No [ ]

(ii) Fire Dept. Public: None [ ] Paid [X] Volunteer [ ] Dist. to Fire Hall....¼....Miles

Private: Yes [ ] No [X]

(iii) Accessibility -

	Good	Fair	Poor
To Property:	[X]	[ ]	[ ]
Into Bldg.	[X]	[ ]	[ ]

File No. 5652.

5. **EXTENDED COVERAGE**

(a) Windstorm - Unusual Hazards Yes ☐ No ☒

(b) Lightning - Unusual Features Yes ☐ No ☒ Properly Grounded Yes ☐ No ☐

(c) Explosion - Unusual Features Yes ☐ No ☒

(d) Sprinkler Leakage - Stock - Skidded or Shelved Yes ☒ No ☐

Floors: Drained Yes ☐ No ☒

(e) Riot, Vandalism, Malicious Acts:

Access restricted Yes ☐ No ☒ Guard Supervised Yes ☐ No ☒ Yards Lit Yes ☐ No ☒

Remote from populated areas Yes ☐ No ☒ Vacant ☐ Silent ☐

---

6. **BUSINESS INTERRUPTION**

(If answer is "Yes" - describe in detail below)

(a) Seasonal Yes ☐ No ☒

(b) Operation 8 Hrs/Day 5 Days/Wk.

(c) Interdependency Yes ☐ No ☒

(d) Raw Materials Mainly Foreign ☐ Domestic ☒

Stock on hand for _____

Stock Replacement Time _____

(e) Computerized Programming Yes ☐ No ☒

(f) Single Train Production Yes ☐ No ☒

(g) Vital Machinery Custom Made Yes ☐ No ☒

Replacement Time _____

(h) Private Power Generation Yes ☐ No ☒

Alternative Power Source Yes ☐ No ☒

( ) Other Important Features Yes ☐ No ☒

BUSINESS INTERRUPTION DETAILS:

REPORT DETAILS (Cont'd).

9.

4 (a)(iv) Sprinklers required in detached carpenter's and plumber's shop. Also in 60' office stores.

4 (a)(v) 1. 3 of 4 sprinkler dry pipe valves are obsolete.

2. Flushing required.

3. ¾" branch lines in use.

4 (a)(vi) A closed circuit Class "B" connection for water flow only via telephone l to fire hall. All equipment is Underwriters' Laboratories labelled. Als ide electric bells and outside water motor gongs.

4 (a)(vii) Standard single supply from 8" connection to 12" street main fed two ways Static 85 p.s.i. residual 75 p.s.i. with 2" drain flowing.

FB/ir 30/5/74.

7. **UNDESIRABLE FEATURES**

Prominent: 1. Three of the four dry pipe sprinkler valves are obsolete due to the lack of replacement parts.

Other: 1. No 4" fire department pumper connection.

2. Main building is heated and dry pipe sprinkler valves are in service.

3. Risk is 15% unsprinklered.

4. $\frac{3}{4}$" end branch lines in use.

---

8. **TENANTS**

MAIN BUILDING

HAMILTON WENTWORTH ENGINEERING DEPARTMENT: Occupies 33.0 M sq. ft. as offices and storage of maintenance trucks and equipment.

CITY OF HAMILTON, STORES DEPARTMENT: Occupies 22.0 M sq. ft. for storage of mainly metal castings such as fire hydrants, valves and sewer parts. Some combustible stock such as stationery. Stores, offices require sprinklers.

The following tenants will be moving into the building in the near future. Recreation Works Department, Emergency Measures Organization, Historical Department. These tenants will be using small areas for storage.

BUILDING 85 B AND 85 C

CITY OF HAMILTON, CARPENTER AND PLUMBER'S SHOP: Occupy 9.5 M sq. ft. for carpentry and plumbing trades. Some welding is done.

---

9. **REPORT DETAILS**

2 (d) 70% steel frame metal clad, 20% masonry, 10% wood frame metal clad.

2 (e) 95% concrete on grade, 5% joist (mezzanine).

2 (g) By sprinklers only.

2 (j) Wall finish: 98% open, 2% plaster.
Ceiling finish: 98% open, 2% mineral tile.

3 (b) Occasional welding done in the detached unsprinklered plumbers shop.

3 (f) Small quantity of paints and thinners for maintenance purposes kept in open.

3 (j) Unrestricted smoking is a minor deficiency.

(Cont'd).

REPORT DETAILS (Cont'd).

9.

4 (a)(iv) Sprinklers required in detached carpenter's and plumber's shop. Also in 22' x 60' office stores.

4 (a)(v) 1. 3 of 4 sprinkler dry pipe valves are obsolete.

2. Flushing required.

3. ¾" branch lines in use.

4 (a)(vi) A closed circuit Class "B" connection for water flow only via telephone lines to fire hall. All equipment is Underwriters' Laboratories labelled. Also inside electric bells and outside water motor gongs.

4 (a)(vii) Standard single supply from 8" connection to 12" street main fed two ways. Static 85 p.s.i. residual 75 p.s.i. with 2" drain flowing.

FB/ir 30/5/74.

MULTIPLE FIRE SECTION SHEET

FILE NO.: 5652

Bldg. No.	% A.S.	Occupancy	Age & Repair	Height Sty. Ft.	Total Floor Area M. Sq. Ft.	Construction: Walls	Finish: Walls	Finish: Ceiling	Construction: Roof	Construction: Floors	Roof Covering	Supports	Protection Of Vertical Openings	* Fire Div.
Main bldg.	99	Maintenance garage & stores dept.	1920 good	1+mezz 30'-50'	53.0 M	90%S.F.M.C. 10%W.F.M.C	98% 2%	Open plaster	PK/ES	conc. on grade	T & G	ES	shut off	A
De-tached shop	0	Plumbers & Carpenter's shop	1940 good	1 18'-35'	9.5 M	60%S.F.M.C 40% B.K		Open	PK/ES	conc.	T & G	ES		B

FB/ir 30/5/74.

* LETTER DENOTES ONE FIRE DIVISION AREA

Siteplan Report - 1978 128 Barton St W Hamilton ON L8L

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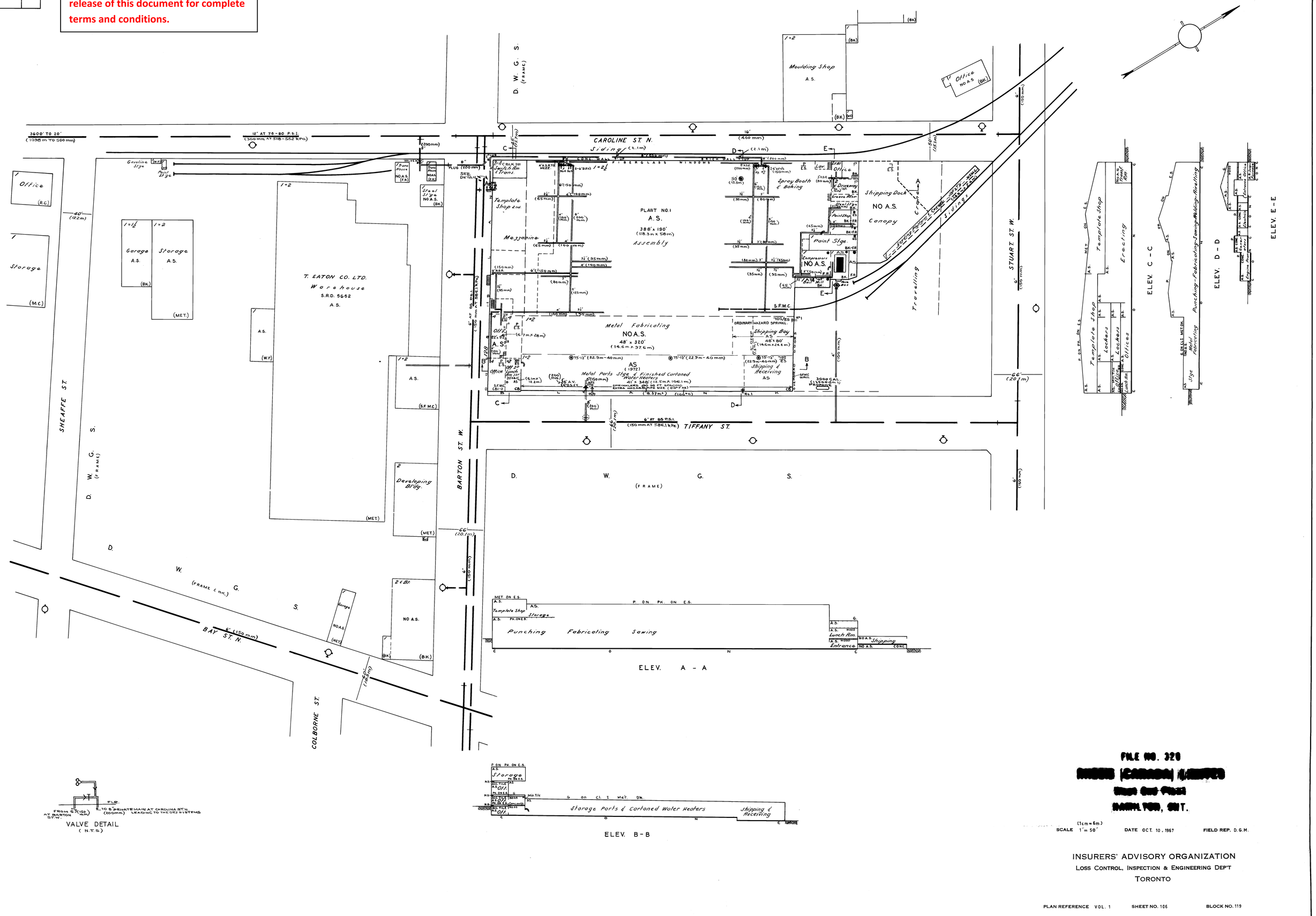
REVISED	
DATE	BY
JULY 1972	G.W.S.
NOV. 1978	D.Y.



FILE NO. 320

[redacted]

SCALE 1" = 50' (1cm = 6m) DATE OCT. 10, 1967 FIELD REP. D.G.M.

INSURERS' ADVISORY ORGANIZATION
LOSS CONTROL, INSPECTION & ENGINEERING DEP'T
TORONTO

PLAN REFERENCE VOL. 1 SHEET NO. 106 BLOCK NO. 119

ENVIROSCAN Report

Inspection Report - 1978 Rheem Canada LTD 128 Barton St W Hamilton ON L8L

Requested by:
Tracey Schranz
Date Completed: 10/06/2017 11:41:27

enviroscan
OPTA INFORMATION INTELLIGENCE

Inspection Report - 1978 Rheem Canada LTD 128 Barton St W Hamilton ON L8L

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INSURERS' ADVISORY ORGANIZATION
TORONTO

CONFIDENTIAL

INSPECTION REPORT

[H]Kn Kw L O S W F A

File No: ...328... Attach to (118)

Map Checked [x] Corr. Yes [x] No [ ]

S. 106 Bl. 119 NOP [ ]

Plan att. [ ] Filed at IAO [x]

SPECIAL RISKS [x]

SPRINKLER PROTECTION IN SERVICE
YES [x] NO [ ] PARTLY [ ]

MFG. & SPECIAL HAZARDS [ ]

DIVISION

Name of Risk: Rheem (Canada) Limited

Location: 128 Barton Street West (West End Plant), Hamilton, Ontario

Surveyed by: D. Yu **Date:** November 29, 1978

1. OCCUPANCY

(a) Metal worker manufacturing water heaters with spray painting and baking.

(b) Grading of risk in class - Average [x] Above [ ] Below [ ]

2. CONSTRUCTION

(a) See Multiple Fire Section Sheet [ ]
Single Fire Division [x]
See "Details"

(b) Built in: _____ Additions _____

Repair: Good [x] Fair [ ] Poor [ ]

(c) Height: Bst. [ ] 1-4 Sto.(s) 15-55 Ft. (4.6-16.8 m)

(d) Walls: 75% metal clad steel frame, 23% concrete block, 2% wood frame

(e) Floors: See "Details"

(f) Roof: See "Details"

(g) Supporting Steel None [ ]
Adequately Protected - Yes [ ] No [ ]

(h) Total Grade Floor Area: 131,000 Sq.Ft. (12,183 m²)

(i) Vertical openings: None [ ]
Partially [x] Unprotected [ ]
Shut off [x] Cut off [ ]

(j) Interior Finish:

	Open	Non Combustible	Combustible
Walls:	90 %	9 %	1 %
Ceilings	97 %	2 %	1 %

(k) Combustible Concealed Spaces:
None [x] Minor [ ] Major [ ]
Non-Combustible Concealed Spaces:
None [ ] Minor [x] Major [ ]

(l) Smoke and Heat Venting:
Adequate Yes [ ] No [x]

3. **HAZARDS**

FILE NO. 328

	None	Safe	Unsafe
(a) Common Hazards		[x]	[ ]
(b) Special Hazards	[ ]	[x]	[ ]
(c) Radio Active Material	[x]	[ ]	[ ]
(d) High Piling	[x]	[ ]	[ ]
(e) Housekeeping		[x]	[ ]
(f) Hazardous Material	[ ]	[x]	[ ]

Heating: None [ ] Borrowed [ ]
Labelled [ ] Unlabelled [ ]
Gas [x] Oil [ ] Unit Heaters [x]
Boiler [x] Hot Air Furnaces [ ]
In Cut-off [ ] In Shut-off [x]
Open [ ] Room [x] Other [ ]

Chimneys and Flues:
Standard Yes [x] No [ ]

(g) **Exposures:**

	None	Light	Moderate	Severe	Protection Required	Protection Provided
North:	[x]	[ ]	[ ]	[ ]	Yes [ ] No [x]	Yes [ ] No [x]
South:	[ ]	[x]	[ ]	[ ]	Yes [ ] No [x]	Yes [ ] No [x]
East:	[ ]	[ ]	[x]	[ ]	Yes [x] No [ ]	Yes [x] No [ ]
West	[ ]	[ ]	[x]	[ ]	Yes [x] No [ ]	Yes [x] No [ ]

(h) **Activity:** Busy [x] Moderate [ ] Quiet [ ] Hrs/Day [16] Days/Wk [5] Silent [ ]

(i) Maintenance Welding ..... Yes [x] No [ ]
Permit System used ..... Yes [ ] No [x]

(j) Smoking Restricted ..... Yes [x] No [ ]

(k) Electronic Data Processing Equipment ..... Yes [x] No [ ]

(l) **Process Description:**

Generally moderate and safe. Manufacturing of commercial and domestic water heaters and gas boilers is done. The process involves the use of spot welding machines and oxy-acetylene welding machines to make the water heaters and boilers. In the ball mill, enamel is ground in rotating drums which is initially a solid material. Water, clay and silicon are added and the liquid is pumped into a holding container. It is then sprayed on the inside and outside of the water heaters and boilers.

(cont'd)

3(1) Process Description (cont'd)

Then these pass through an enamel furnace to bake the enamel on. They are sent through the oven which operates at 300°F (148.7°C) and then into a furnace which operates at 1,600°F (870.2°C). The water heaters are spray painted in sprinklered spray booths using a water wash system. Electrostatic spraying of commercial water heaters is done. Sprinklers are in the electrostatic spray booth. The water heaters pass through well arranged gas fired metal ovens equipped with purge cycle and safety controls to dry. The baking ovens and enamel furnace are gas fired. The water heaters are assembled with all parts and fibreglass insulation being put in boxes and stored in the plant until they are shipped out. Storage of finished boilers is to about 10 ft. (3.1 m). A silk screening area is used to make "cake sheets" (i.e. sheets of metal which are silk screened). These are baked in an oven at 300°F (148.7°C). Stored outside under the canopy are 30 drums of lubricating oils and transmission oils. Metal components for the boilers and water heaters are stored in metal racks in palletized form in a sprinklered area to 16 ft. (4.9 m) high.

PROTECTION

FILE NO. 328.

(a) Sprinklers:

(i) 87 % Area Sprinklered 12 % Wet 88 % Dry

(ii) Date of Sprinklers: 12 % 1972 : 88 % 1928

(iii) Adequate protection against freezing Yes [x] No [ ]

(iv) Additional sprinklers required Yes [x] No [ ]

(v) Sprinkler equipment standard Yes [x] No [ ]

(vi) Alarms: U.L. app. full sup. service [x] LOCAL [x] OTHER [ ]

(vii) Water Supplies (a) Overall Grading - Standard [x] Fair [ ] Poor [ ]

(b) Primary - Municipal [x] Private [ ]

- Standard [x] Fair [ ] Poor [ ]

(c) Secondary - Required Yes [ ] No [x]

- Standard [ ] Fair [ ] Poor [ ] None [x]

(viii) Additional System details: Yes [ ] No [x]

Fire Department Pumper Connection Yes [x] No [ ]

(b) OTHER

	Standard	Non-Standard	None
(i) Extinguishers	[x]	[ ]	[ ]
(ii) Standpipes and Hose	[ ]	[x]	[ ]
(iii) Watchman Service	[ ]	[ ]	[x]
Forced tour system Yes [ ] No [ ]			
(iv) Special Equipment and Apparatus	[ ]	[ ]	[x]

(c) Outside

(i) Hydrants Public: Standard [x] Non-Standard [ ] None [ ]

Private: Standard [ ] Non-Standard [ ] None [x] Tested Yes [ ] No [ ]

(ii) Fire Dept. Public: Paid [x] Volunteer [ ] None [ ] Dist. to Fire Hall 1 Miles (1.6 km)

Private: Yes [ ] No [x]

(iii) Accessibility -

	Good	Fair	Poor
To Property:	[x]	[ ]	[ ]
Into Bldg.	[x]	[ ]	[ ]

5. **EXTENDED COVERAGE**

FILE NO. 328

(a) Windstorm - Unusual Hazards Yes ☐ No ☒

(b) Lightning - Unusual Features Yes ☐ No ☒ Properly Grounded Yes ☐ No ☐

(c) Explosion - Unusual Features Yes ☐ No ☒

(d) Sprinkler Leakage - Stock - Skidded or Shelved Yes ☒ No ☐

Floors: Drained Yes ☒ No ☐

(e) Riot, Vandalism, Malicious Acts:

Access restricted Yes ☐ No ☒ Guard Supervised Yes ☐ No ☒ Yards Lit Yes ☒ No ☐

Remote from populated areas Yes ☐ No ☒ Vacant ☐ Silent ☐

---

6. **BUSINESS INTERRUPTION**

(If answer is "Yes" - describe in detail below)

(a) Seasonal Yes ☐ No ☒

(b) Operation 16 Hrs/Day 5 Days/Wk.

(c) Interdependency Yes ☐ No ☒

(d) Raw Materials Mainly Foreign ☒ Domestic ☒

Stock on hand for 30-45 days, mostly domestic

Stock Replacement Time 1 month average

(e) Computerized Programming Yes ☒ No ☐

(f) Single Train Production Yes ☒ No ☐

(g) Vital Machinery Custom Made Yes ☒ No ☐

Replacement Time 1 year

(h) Private Power Generation Yes ☐ No ☒

Alternative Power Source Yes ☐ No ☒

(i) Production Dependent on Pollution Control Equip't Yes ☐ No ☒

(j) Other Important Features Yes ☐ No ☒

BUSINESS INTERRUPTION DETAILS:

6(g) Carando welders can take 12-15 months to replace, other machinery 6 months. Loss of any one piece of equipment would seriously cut the production down by at least 50%.

7. **UNDESIRABLE FEATURES**

FILE NO. 328

Prominent: None.

Other: 1. Unsprinklered areas (minor deficiency).
2. Poor smoke and heat venting (minor deficiency).

---

8. **REPORT DETAILS**

2(b) Built: 75% 1920's, 13% 1967, 12% 1972.

2(e) Floors: 86% concrete on grade, 12% plank on exposed steel, 1% wood joist, 1% concrete on exposed steel.

2(f) Roof: 65% patent on plank on exposed steel, 25% gravel on Class I metal deck, 5% metal on exposed steel, 2% gravel on wood joist, 3% patent on concrete on exposed steel.

2(g) Supporting Steel: The supporting steel is adequately protected by sprinklers only.

2(i) Vertical Openings: Stairways 100% shut off.

2(k) Non-Combustible Concealed Spaces: A 20' x 70' (6.1 m x 21.4 m) or 1,400 sq. ft. (130.2 m^2) unsprinklered 2 ft. (.61 m) deep space exists between the metal deck and the mineral tile ceiling above the office area.

2(l) Smoke & Heat Venting: No special provisions have been made.

3(a) Common Hazard: Heat is provided by gas fired boiler located in a shut off room for the main building. The 1972 addition is heated by gas fired suspended unit heaters.

3(b) Special Hazards: See 3(1) "Process Description".

3(f) Hazardous Materials stored in a paint storage room equipped with Class I, Group D, lighting fixtures are 900 gallons (4050 dm^3) of xylol (F.P. 63°F (17.2°C)) in 45 gallon (204. dm^3) drums, 185 gallons of "Hi Heat Roller Coat Enamel" in 5 gallon (22.5 dm^3) cans and 990 gallons (4455 dm^3) of "Baking Enamel" in 45 gallon (204.5 dm^3) drums. The room is equipped with a blow-out door. Drainage is provided in the room to a pit outside the plant. Gravity exhaust ventilation taking suction 12 inches (30.5 cm) off the floor has been provided.

(cont'd)

9. TENANTS: NONE ☐ SEE ATTACHED LIST ☐

8. REPORT DETAILS (cont'd)

3(f) Hazardous Materials (cont'd)

In the silk screening area, 40 gallons (180 dm^3) of "Roller Coating Baking Enamel" paints in 5 gallon (22.7 dm^3) cans, 135 gallons (608 dm^3) of enamel paints in 45 gallon (204.5 dm^3) containers and 30 gallons (135 dm^3) of "Exterior Enamel Screen Printing Inks" in 1 gallon (4.5 dm^3) containers are stored in the open.

3(g) Exposures:

West: 50 ft. (15.2 m) across street to brick dwellings. Good protection given by distance separation.

East: 70 ft. (21.4 m) across street to brick dwellings. Good protection given by distance separation.

3(i) Maintenance Welding: Spot welding machines and oxy-acetylene welding well arranged. Welding is done throughout the manufacturing areas.

3(j) Smoking is restricted in the mezzanine storage area.

4(a)(iv) Additional Sprinklers Requir[illegible]

1. 37' x 30' (11.2 m x 9.2 m) compressor room.

2. 125' x 50' (38.1 m x 15.3 m) metal canopy.

3. 18' x 18' (5.5 m x 5.5 m) computer room.

Sprinklers not required in the 48' x 320' (14.6 m x 97.6 m) metal storage area.

4(a)(vi) Alarms: Alarms consist of the Underwriters' Laboratories of Canada listed full supervisory service of A.D.T. Security Systems connected to Hamilton Central Station.

4(a)(vii) Water Supplies: Standard single supply from an 8 inch (200 mm) connection to a 6 inch (150 mm) on Tiffany Street fed two ways and an 8 inch (200 mm) connection to a 12 inch (300 mm) main in Barton Street fed two ways. Static pressure 85 p.s.i. (586.5 kPa), residual pressure 80 p.s.i. (552 kPa) with the 2 inch (50 mm) drain fully opened. This occupancy is classed as Ordinary Hazard Group II and requires 1000 U.S. g.p.m. (3800 dm^3/min) with residual pressure of 53 p.s.i. (365.7 kPa) at the base of the riser. A water flow test done in February 1972 in front of the building on Tiffany Street on a 6 inch (150 mm) main indicated that with a static pressure of 85 p.s.i. (586.5 kPa), 1178 U.S. g.p.m. (4476.4 dm^3/min) was available with a residual pressure of 60 p.s.i. (414 kPa) at grade. The water supply is standard for pressure and volume.

4(b)(ii) Standpipes and Hose: Standpipes and hose are standard for the 1972 addition where metal parts for the boilers and water heaters are stored and non-standard for the older part of the building where water heaters are sprayed, backed and stored.

Siteplan Report - 1974 The Corporation of the City of Hamilton 125 Barton St W Hamilton ON L8L

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REVISED	
DATE	BY

HAMILTON BRIDGE CO.
S.R.D. 328
A.S.

TIFFANY ST.

BARTON ST. W.

HAM. BRIDGE
S.R.D. 328
No A.S.

CAROLINE ST. N.

Stores Dept.
A.S.
145' x 151'

Maintenance Garage
A.S.
145' x 214'

Mezz. Offices

Monitors
A.S.

Mezz.

Lumber Stge.
A.S.
30' x 65'

Parking

Carpenter's Dept.
NO A.S.
52' x 122'

Plumber's Dept.
NO A.S.
40' x 82'

Office

Storage

SHEAFFE ST.

BAY ST. N.

ELEV. B - B

ELEV. C - C

ELEV. A - A

FILE NO. 5052

THE CORPORATION OF THE CITY OF HAMILTON

HAMILTON, ONTARIO

SCALE 1"=50' DATE MAY, 1974 FIELD REP. F. A.

INSURERS' ADVISORY ORGANIZATION

LOSS CONTROL ENGINEERING DEPARTMENT

TORONTO

PLAN REFERENCE SHEET NO. 118 BLOCK NO. 166

Commercial property fire rating form Report - 1978 The Corporation of the City of Hamilton 125 Barton St W Hamilton ON L8L

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COMMERCIAL PROPERTY FIRE RATING FORM

CODING			
IND.	TERR.	CONS.	PROT.

LOCATION HAMILTON NAME CORP'N CITY of HAMILTON FILE NO. SR 5652

ADDRESS 125 BARTON ST. E. Insp'd. by S. MAMAN Date JULY 28/78

N.S. CARPENTER & PLUMBER SHOP Rated by A. SAMMON Date APR 6/83

BASIC CONSTRUCTION: (SECTION II)

Construction Class 4 Bldg. Comb. Class M3

WALLS (ITEMS 210-215)

WALL AREA	MASONRY Wall Type	MASONRY Wall Thick.	FIRE RES. Dam. Type	FIRE RES. Fire Res.	NON COMB	COMB	DETAIL OF WALL CONSTRUCTION	% OF WALL PERIM	POINTS		CHARGES
	W-		D-	HR			metal	66 %	x 230	=	152
	W-		D-	HR				%	x	=	
	W-		D-	HR			brick	34 %	x —	=	
	W-		D-	HR				%	x	=	
	W-		D-	HR				%	x	=	
								%	x	=	
								%	x	=	
								%	x	=	

Columns in (or adjacent to) non-bearing masonry walls: Unprot. metal ☐ Comb. ☐

Panels in masonry or fire resistive walls: Comb. ☐ Non-comb. ☐ Glass ☐ Slow burning ☐

Special Conditions (Describe).....

FLOOR(S) AND ROOF (ITEMS 220-223)

LEVEL	DIMENSIONS	MAS. or F.R. Dam. Type	MAS. or F.R. Fire Res.	NON COMB	COMB	DETAILS OF FLOOR/ROOF MATERIALS	% of Total Floor/Roof Area	POINTS		CHARGES
Grade		D-	HR			concrete	50 %	x —	=	—
		D-	HR				%	x	=	
		D-	HR				%	x	=	
		D-	HR				%	x	=	
Roof		D-	HR			plank on exposed stl	50 %	x 300	=	150

Total Basic Construction Charges: 302

Schedule Base ..... + 150

Building Base ..... = 452

Building Base x 1.0 Comb. Modifier (ITEM 230) x .001 = **BASIC BUILDING RATE:** .452

(carried fwd. overleaf)*

SECONDARY CONSTRUCTION: (SECTION III)

	% CHARGE
Height: (ITEM 300) Nbr. Storeys 1 Bast. 10 Comb. Stories (Without ground level access) —	
Vertical Openings: (ITEM 310) Type / Fm / To / Enclosure / Doors / % Chge. 1st. + +	
Area: (ITEM 320) ____ x ____ x ____ x ____ Grade Floor Area 895 m² Total Area 895 m² Effective Area 895 m²	16
Roof Surface: (ITEM 330) Approved ☐ Other (Described).....	
Combustible Concealed Spaces: (ITEM 340) Roof Space; Percentage of total roof area ____ % ... Ceiling Space; Percentage of total floor area ____ % ...	
Combustible Interior Construction: (ITEM 350) Floor Surfacing; Percentage of total floor area ____ % ..... Interior Walls or Partitions; Percentage of total exterior wall area ____ % ..... Mezzanines or Decks; Percentage of total floor/roof area ____ %	
Combustible Interior Finish or Insulation: (ITEM 360) Walls: Percentage of total area of exterior walls; Ord. Dam. ____ % Spec. Dam. ____ % .... Roof & Floor(s): Percentage of total area of ceilings; Ord. Dam. ____ % Spec. Dam. ____ %	
Combustible Exterior Finish or Attachments: (ITEM 370)	
Building Condition: (ITEM 380) Good ☐; Average ☐; Poor ☐;	
Total Secondary Construction Charges:	16

(carried fwd. overleaf)**

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N.S. MAINT STRP

OCCUPANCY: (SECTION IV, V, VI & VII)

St. No. Floor	Floor Area	% of Total Area	Occ'y Item No.	Name and Description of Occupancy and Hazards	Basic Occ'y Charge	Hazard Charges	Sep'd. Occ'y Factor	Total Occ'y Charge	Comb. Cl.	Susc. Cl.	Ind. Code
Common Hazards Applicable to Building				pa fired unit heaters		5					
			53	plumber & carpenter	150			150	43	53	894
			2	shop (maintenance bldg)							
TOTAL											

Building IND. CODE 894

Major Occupancy Charge ..... 150 %
20% of _____ (next 10 highest additional Total Occupancy Charges) ..... _____ %
Common Hazards applicable to the Building ..... 5 %
Net Occupancy Charge ..... 155 %
L1, L2 Area _____ %
Net Occupancy Charge x _____ Occ'y Mod. Factor (ITEM 418) ..... = _____ %
**Total Secondary Construction Charge (brought forward from overleaf) ..... + 16 %

	*E. C. EXTRA	
IND. CODE	PERIL	ADD'L RATE

EXPOSURE: (SECTION VIII) Non Chargeable ☑

Facing Wall of Exposure						Facing Wall of Risk			Exposure Distance
Mas. Semi Prot.	Mas. Unprot.	Non Comb.	Comb.	Comb. Class	Lth/Ht	Comb. & Non Comb	Masonry Unprot.	Masonry Semi Prot.	

Exposure Charge ..... + _____ %
Party Wall Charge (ITEM 831) ..... + _____ %
Communication Charge (ITEM 832) ..... + _____ %
+ 100 %

* (brought forward from overleaf) BASIC BUILDING RATE .452 x 271 % = UNPROTECTED BLDG. RATE 1.225

MUNICIPAL PROTECTION: (SECTION IX)
F.U.S. Prot. Class 2 Revised Prot. Class _____
Dist. to Hydrants: Stdr. ☑ Non Stdr. ☐ .....m. Accessibility: Good ☐ Poor ☐
Dist. to Fire Hall: Stdr. ☑ Non Stdr. ☐ .....km. Congested Area: Yes ☐ No ☐
Unprotected Bldg. Rate x .40 Protection Class Factor ..... = PROTECTED BLDG. RATE .490

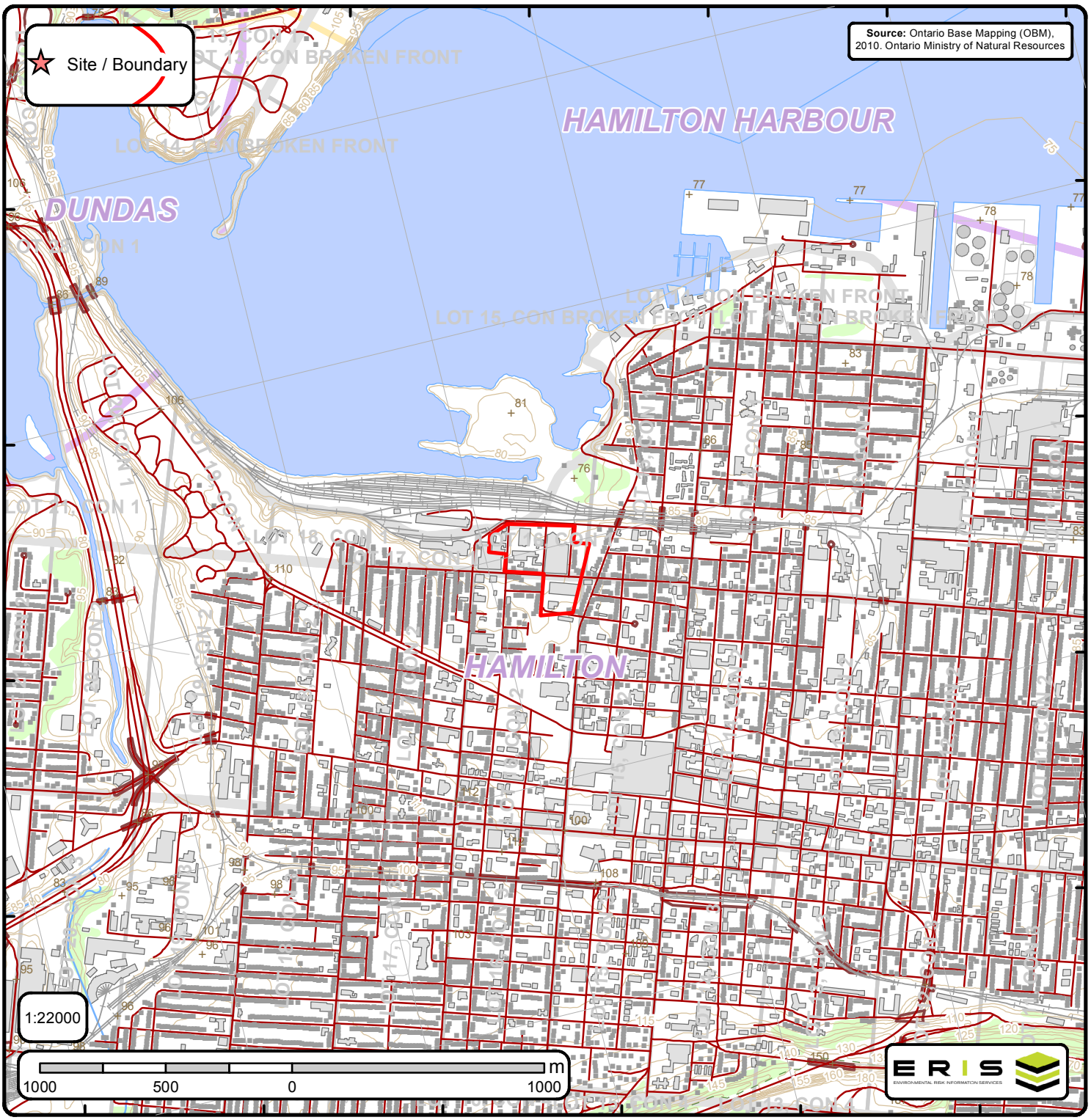
BUILDING ADJUSTMENT FACTOR: (SECTION X)
Protected Bldg. Rate x 1.09 Building Adjustment Factor ..... = GROSS BLDG. RATE .534

INTERNAL PROTECTION: (SECTION XI)
Extinguishers Stdr. ☑ 3 % Credit W. & C. Stdr. ☐ _____ % Credit
S.P. & H. Stdr. ☐ _____ % Credit Automatic Fire Detection System Stdr. ☐ _____ % Credit
Automatic Sprinklers ☐ (Describe) ..... _____ % Credit
Other Auto. Protection ☐ (Describe) ..... _____ % Credit
GROSS BLDG. RATE .534 Less 3 % = _____ Less _____ % = _____ Less _____ % = FINAL BLDG. RATE .518

CONTENTS RATES (SECTION XII)

ITEM → 1200 1210 1220

Ind. Code	Susc. Class	OCCUPANCY	Susc. Charge		Hazards Adj.		Conts. Adj. Factor		Adj. Conts. Charge		Gross Bldg. Rate		Gross Conts. Rate		Int. Prot. Factor		FINAL CONTS. RATE
894	53	Maintenance Shop	.400	x	—	x	.82	=	.328	+	.534	=	.862	x	.95	=	.819
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	
				x		x		=		+		=		x		=	



Ontario Base Mapping (OBM) Data

Order No. 20170818054

Spot Height (metre)	Transportation Structure	Contour Line	Wooded Area
Building Point	Utility Line	Pit or Quarry	Conservation Authority
Towers	Water Structure	Waterbody	Conservation Area
Utility Site Point	Drainage Line Feature	Wetlands	Municipal Park
Misc. Line	River or Stream	Concession	Provincial Park
Railroads	Airports	Lots	National Park
Roads	Tanks	Municipalitiy	Nature Reserve
Trail	Building to Scale	Land Ownership	

APPENDIX D

CHAIN OF TITLE

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 249 Hess St N & 231 Stuart St Hamilton
Legal Description: Pt Block (Queen, Stuart, Hess & Barton) George S. Tiffany Survey as in CD214133 & CD430037
PIN #: 17580-0100(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
510	Deed	27 04 1803	Caleb Reynolds	John Baptiste ROUSSEAU
16	Deed	30 07 1816	John B. Rousseau	James MILLS & Peter HESS
7	Deed	30 07 1816	James Mills	Peter HESS
2267	Deed	30 04 1835	Peter Hess	James Lorenzo WILLSON
352	Deed	02 04 1836	James Lorenzo Willson	Miles O'REILLY
350	Deed	19 04 1837	Miles O'Reilly	George TIFFANY
893	Deed	06 04 1840	George Tiffany	Peter HESS
1073	Deed	12 05 1852	Peter Hess	Horatio Nelson CASE

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 249 Hess St N & 231 Stuart St Hamilton
Legal Description: Pt Block (Queen, Stuart, Hess & Barton) George S. Tiffany Survey as in CD214133 & CD430037
PIN #: 17580-0100(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
		Break in chain from 1852 to 1903		
76521	Deed	10 03 1903	Robert Thomas	James LECKENBY
76522	Deed	10 03 1903	James Leckenby	Laurence THOMSON
97393	Deed	05 06 1907	Laurence Thomson	John MONTGOMERY
111067	Deed (231 Stuart St)	16 02 1910	John Montgomery	Edwin WISE
216483	Deed	20 10 1920	Edwin Wise	Henry WISE
92821NS	Deed (249 Hess St)	18 01 1945	John Montgomery	The J. Montgomery Coal Company Limited
113880NS	Deed	28 09 1946	Henry Wise	Morris PAIKIN
186314NS	Deed	26 04 1951	Morris Paikin	Paikin Brothers Limited

Cont'd on page 3

CHAIN OF TITLE REPORT

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PIN #: 17580-0100(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
213394NS	Deed	06 10 1952	Paikin Brothers Limited	Samuel Garfield PAIKIN
173242AB	Deed	24 06 1970	The J. Montgomery Coal Company Limited	The Hamilton Facing Mill Company Limited
CD214133	Deed (249 Hess St)	14 05 1982	The Hamilton Facing Mill Company Limited	Imtrex Commodities Inc.
CD384993	Deed	31 10 1986	Samuel Garfield Paikin	Justice Minerals and Chemicals Limited
CD430037	Deed (231 Stuart St)	10 10 1987	Justice Minerals and Chemicals Limited	Imtrex Commodities Inc.
VM266259	Tax Deed	07 10 2005	Treasurer City of Hamilton (Imtrex Commodities Inc defaulted in taxes)	558154 B.C. Ltd c.o.b. as Senior Care Associates
WE1187891	Vesting Order (Present Owner)	23 02 2017	Treasurer City of Hamilton (558154 B.C. Ltd defaulted in taxes)	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17580-0100 (LT)

PREPARED FOR Bertuccil
ON 2018/01/10 AT 14:54:35

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT BLK OF LAND BOUNDED BY QUEEN ST, STUART ST, HESS ST AND BARTON ST G. S. TIFFANY SURVEY (UNREGISTERED) AS IN CD214133, CD430037; S/T HA114263; T/W VM266259; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17580-0202

PIN CREATION DATE:
2010/10/25

OWNERS' NAMES
CITY OF HAMILTON

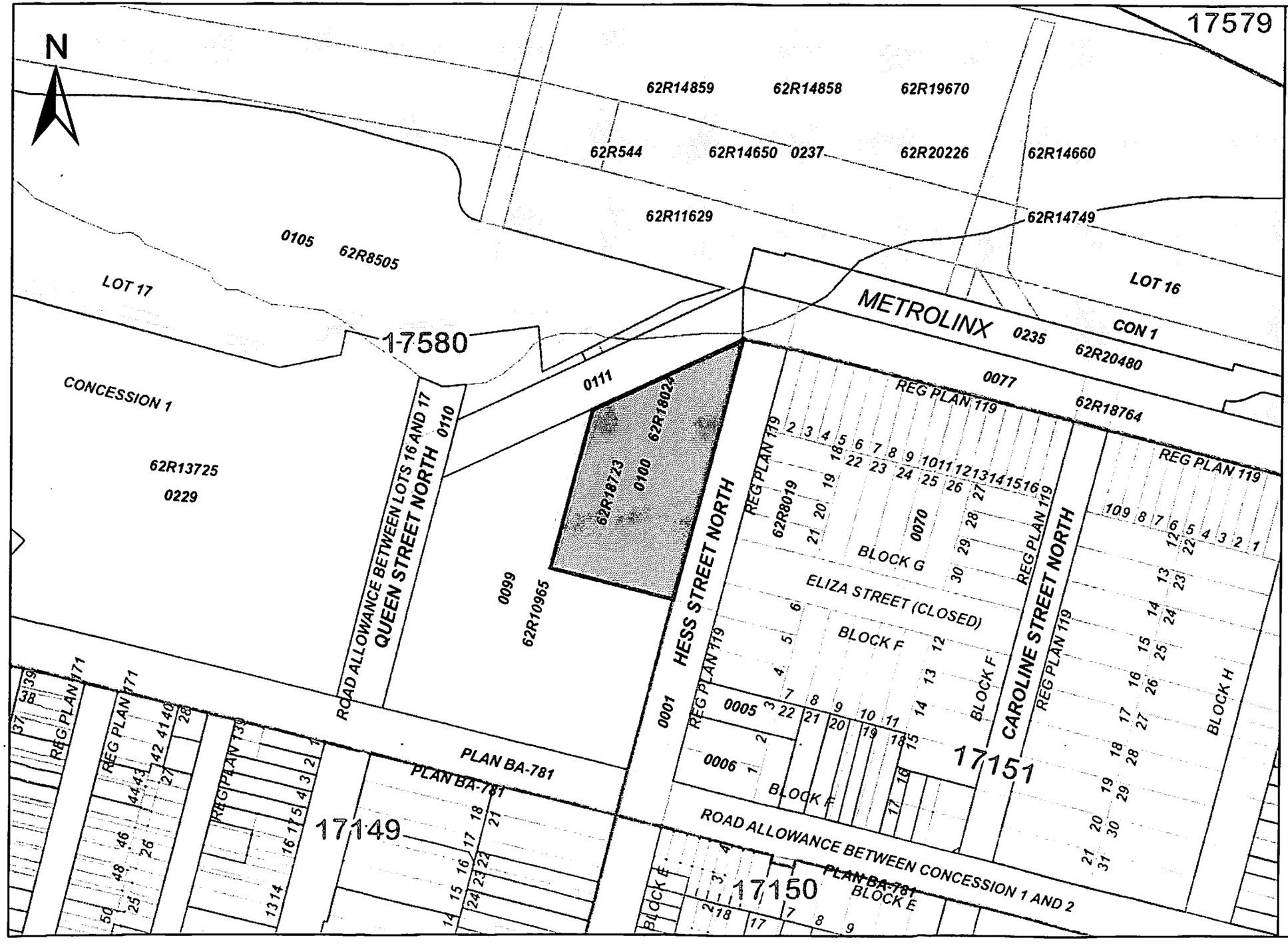
CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2010/10/22 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2010/10/25 **						
CD214134	1982/05/14	DEBENTURE		*** COMPLETELY DELETED ***	CANADIAN IMPERIAL BANK OF COMMERCE	
CD516239	1989/07/14	DEBENTURE		*** COMPLETELY DELETED ***	CANADIAN IMPERIAL BANK OF COMMERCE	
62R10965	1990/02/21	PLAN REFERENCE				C
VM266259	2005/10/07	TRANSFER		*** DELETED AGAINST THIS PROPERTY *** CITY OF HAMILTON	558154 B.C. LTD. COB AS SENIOR CARE ASSOCIATES	
CORRECTIONS: PARTY TO NAME CHANGED FROM 558154 B.C. LTD. TO 558154 B.C. LTD. COB AS SENIOR CARE ASSOCIATES ON 2010/10/12 BY REGISTRAR #4, LAND.						
VM271001	2006/12/01	CHARGE		*** DELETED AGAINST THIS PROPERTY *** 558154 B.C. LTD.	FACIENDA GROUP LIMITED	
62R18024	2007/11/01	PLAN REFERENCE				C
62R18723	2010/05/04	PLAN REFERENCE				C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
VM280884	2010/05/06	CERT TAX ARREARS		*** DELETED AGAINST THIS PROPERTY *** CITY OF HAMILTON		
WE743807	2011/02/16	DISCH OF CHARGE		*** COMPLETELY DELETED *** FACIENDA GROUP LIMITED		
	REMARKS: VM271001.					
WE937126	2013/11/28	CT TAX ARREAR CANC		*** COMPLETELY DELETED *** CITY OF HAMILTON		
	REMARKS: VM280884.					
WE937136	2013/11/28	CERT TAX ARREARS		*** COMPLETELY DELETED *** CITY OF HAMILTON		
WE1187891	2017/02/23	APL (GENERAL)		CITY OF HAMILTON		C
	REMARKS: WE937136, NOTICE OF VESTING					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



ServiceOntario

PRINTED ON 10 JAN, 2018 AT 14:55:34
FOR BERTUCCI1

SCALE

0 30 60 90 meters

PROPERTY INDEX MAP

WENTWORTH(No. 62)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	—
EASEMENT	----

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 239 Caroline St N., Hamilton
Legal Description: lots 1-30 Blk G Plan 119; lots 4-15, Blk F Plan 119; Elisa Street Plan 119

PIN #: 17151-0070(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
510	Deed	27 04 1803	Caleb Reynolds	John Baptiste ROUSSEAU
16	Deed	30 07 1816	John B. Rousseau	James MILLS & Peter HESS
7	Deed	30 07 1816	James Mills	Peter HESS
2267	Deed	30 04 1835	Peter Hess	James Lorenzo WILLSON
352	Deed	02 04 1836	James Lorenzo Willson	Miles O'REILLY
350	Deed	19 04 1837	Miles O'Reilly	George TIFFANY
893	Deed	06 04 1840	George Tiffany	Peter HESS

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 239 Caroline St N., Hamilton
Legal Description: lots 1-30 Blk G Plan 119; lots 4-15, Blk F Plan 119; Elisa Street Plan 119

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0070(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
			Break in Chain from 1840 to 1903	
78370	Deed (lots 1-17, Blk G Pl 119)	05 10 1903	The Gartshore-Thomson Pipe & Foundry Co. Ltd	The Grand Trunck Railway Co. of Canada
90219	Deed	21 05 1906	Robert Ryckman	The Gartshore-Thomson Pipe & Foundry Company Limited (Canada)
270677	Deed	03 12 1924	The Gartshore-Thomson Pipe & Foundry Co., Ltd (Canada)	The Gartshore-Thomson Pipe & Foundry Company Limited (Ontario)
274830NS	Deed	25 10 1955	The Gartshore-Thomson Pipe & Foundry Co., Ltd (Ontario)	Canada Iron Foundries Limited
340882CD	Deed (lots 4-15, Blk F Pl 119)	24 01 1986	Canron Inc. (fmly Canada Iron Foundries Limited)	425763 Ontario Inc.
344275CD	Deed (lots 18-30, Blk G Pl 119 & Elisa St)	28 02 1986	Canron Inc.	Branard Corp.
484417CD	Mortgage	21 11 1988	425763 Ontario Inc.	Roynat Inc. (Mortgagee)
VM51556	Deed (lots 4-15, Blk F Pl 119)	27 04 1993	Roynat Inc. (425763 Ontario Inc. defaulted in Mtg 484417CD)	945298 Ontario Inc.

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 239 Caroline St N., Hamilton
Legal Description: lots 1-30 Blk G Plan 119; lots 4-15, Blk F Plan 119; Elisa Street Plan 119

PIN #: 17151-0070(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
VM247898	Vesting Order (lots 18-30, Blk G Pl 119 & Elisa St)	10 04 2000	Superior Court of Justice (estate of Branard Corp.)	Philip Services Inc.
VM250094	Deed	05 01 2001	Philip Services Inc.	945298 Ontario Inc.
VM250221	Deed (lots 1-17, Blk G Pl 119)	25 01 2001	Canadian National Railway Co.	945298 Ontario Inc.
WE710810	Deed **(Present Owner)**	20 08 2010	945298 Ontario Inc.	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0070 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 16:01:55

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: LT 1-30 BLK G PL 119; LT 4-15 BLK F PL 119; ELISA ST PL 119 (CLOSED BY BL98); CITY OF HAMILTON

PROPERTY REMARKS: PLANNING ACT CONSENT AS IN CD141485. PLANNING ACT CONSENT AS IN CD340882.

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0133

PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

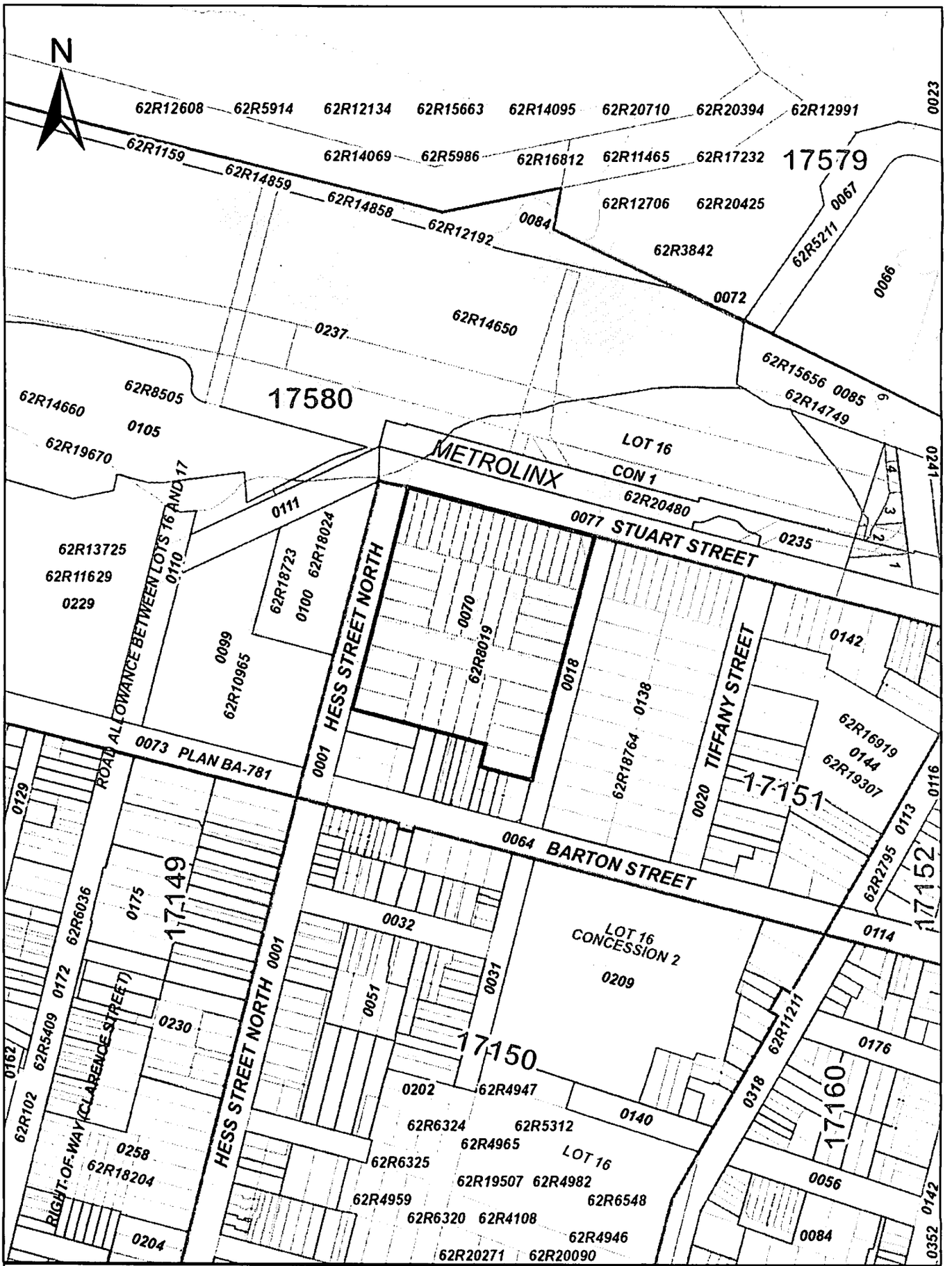
CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
62R8019	1986/01/09	PLAN REFERENCE				C
CD505977	1989/05/04	CHARGE		*** COMPLETELY DELETED ***	ROYNAT INC.	
CD505978	1989/05/04	CHARGE		*** COMPLETELY DELETED ***	ROYNAT INC.	
VM151508	1993/04/26	CHARGE		*** COMPLETELY DELETED ***	ROYNAT INC.	
VM151509	1993/04/26	ASSIGNMENT GENERAL		*** COMPLETELY DELETED ***		
REMARKS: VM151508						
VM151556	1993/04/27	TRANS POWER SALE		*** DELETED AGAINST THIS PROPERTY ***	945298 ONTARIO INC.	
VM250094	2001/01/05	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***		

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				PHILIP SERVICES INC.	945298 ONTARIO INC.	
VM250095	2001/01/05	DEBENTURE	$1,150,000	945298 ONTARIO INC.	ROYNAT INC.	C
VM250221	2001/01/25	TRANSFER		*** DELETED AGAINST THIS PROPERTY *** CANADIAN NATIONAL RAILWAY COMPANY	945298 ONTARIO INC.	
VM250471	2001/03/07	DEBENTURE		*** DELETED AGAINST THIS PROPERTY *** 945298 ONTARIO INC.	ROYNAT INC.	
	REMARKS: SUPPLEMENTAL DEBENTURE TO VM250095					
VM252136	2001/10/30	AGREEMENT		*** DELETED AGAINST THIS PROPERTY *** 945298 ONTARIO INC.	ROYNAT INC.	
	REMARKS: VM250095 AND VM250471					
VM263858	2005/03/04	DEBENTURE		*** DELETED AGAINST THIS PROPERTY *** 945298 ONTARIO INC.	ROYNAT INC.	
	CORRECTIONS: 'PARTY: ROYNAT INC.' DELETED ON 2007/09/14 BY CINDY JOHNSON. 'PARTY: 945298 ONTARIO INC.' ADDED ON 2007/09/14 BY CINDY JOHNSON. 'PARTY: 945298 ONTARIO INC.' DELETED ON 2007/09/14 BY CINDY JOHNSON. 'PARTY: ROYNAT INC.' ADDED ON 2007/09/14 BY CINDY JOHNSON.					
WE705994	2010/07/28	APL (GENERAL)		*** COMPLETELY DELETED *** 945298 ONTARIO INC.		
	REMARKS: DELETE S/T VM151556					
WE710226	2010/08/18	DISCH OF CHARGE		*** COMPLETELY DELETED *** ROYNAT INC.		
	REMARKS: CD505977.					
WE710227	2010/08/18	DISCH OF CHARGE		*** COMPLETELY DELETED *** ROYNAT INC.		
	REMARKS: CD505978.					
WE710228	2010/08/18	DISCH OF CHARGE		*** COMPLETELY DELETED *** ROYNAT INC.		
	REMARKS: VM151508.					
WE710230	2010/08/18	DISCH OF CHARGE		ROYNAT INC.		C
	REMARKS: VM250095.					
WE710231	2010/08/18	DISCH OF CHARGE		*** COMPLETELY DELETED *** ROYNAT INC.		
	REMARKS: VM250471.					

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
WE710233	2010/08/18	DISCH OF CHARGE		*** COMPLETELY DELETED *** ROYNAT INC.		
	REMARKS: VM263858.					
WE710810	2010/08/20	TRANSFER	$2,067,235	945298 ONTARIO INC.	CITY OF HAMILTON	C
	REMARKS: PLANNING ACT STATEMENTS					



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SCALE

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PROPERTY INDEX MAP

WENTWORTH(No. 62)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 228 Hess Street N., Hamilton
Legal Description: lot 3, Pt lot 22 Block F Plan 119 desig. As Parts 1 & 2, 62R12241

PIN #: 17151-0005(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
510	Deed	27 04 1803	Caleb Reynolds	John Baptiste ROUSSEAU
16	Deed	30 07 1816	John B. Rousseau	James MILLS & Peter HESS
7	Deed	30 07 1816	James Mills	Peter HESS
2267	Deed	30 04 1835	Peter Hess	James Lorenzo WILLSON
352	Deed	02 04 1836	James Lorenzo Willson	Miles O'REILLY
350	Deed	19 04 1837	Miles O'Reilly	George TIFFANY
893	Deed	06 04 1840	George Tiffany	Peter HESS
1073	Deed	12 05 1852	Peter Hess	Horatio Nelson CASE

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #:	TB171019	**Searched at:**	Hamilton	
Address:	228 Hess Street North, Hamilton	**LRO #:**	62	Page 2
Legal Description:	lot 3, Pt lot 22 Block F Plan 119 desig. As Pts 1 & 2, 62R12241			
PIN #:	17151-0005(LT)			

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
			Break in chain from 1852 to 1941	
60685NS	Deed	16 09 1941	Catherine Warake	Frank BAKER
22652HL	Deed	11 06 1957	Frank Baker - estate	Lorraine FISHER
133645HL	Deed	14 04 1960	Lorraine Smith (Fisher)	Steve CHCOSKI
92872AB	Deed	31 05 1968	Steve Chcoski	Salvatore IPPOLITO
112441CD	Deed	11 12 1973	Salvatore Ippolito	Love Produce Distributors Limited
425880CD	Deed	31 08 1987	G. A. Love Foods Inc. (fmly Love Produce Distributors Ltd)	Diana Silverina VITORIA & Armando PAIVA
452896CD	Deed	18 04 1988	Armando Paiva	Diana Silveira VITORIA
489168CD	Deed	23 12 1988	Diana Silveria Vitoria	Stephen Charles BUCHAN & Susan Elizabeth BUCHAN

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 228 Hess Street North, Hamilton
Legal Description: lot 3, Pt lot 22 Block F Plan 119 desig. As Pts 1 & 2, 62R12241

PIN #: 17151-0005(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
156665	Deed	22 06 1993	Stephen Charles Buchan Susan Elizabeth Buchan	Archmill House Inc.
VM199827	Deed	30 11 1994	Archmill House Inc.	1100892 Ontario Inc.
WE710808	Deed **(Present Owner)**	20 08 2010	1100892 Ontario Inc.	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0005 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 16:01:03

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: LT 3 BLK F PL 119; PT LT 22 BLK F PL 119 PART 1 & 2 62R12241; CITY OF HAMILTON

PROPERTY REMARKS: PLANNING ACT CONSENT AS IN VM125644.

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0076

PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

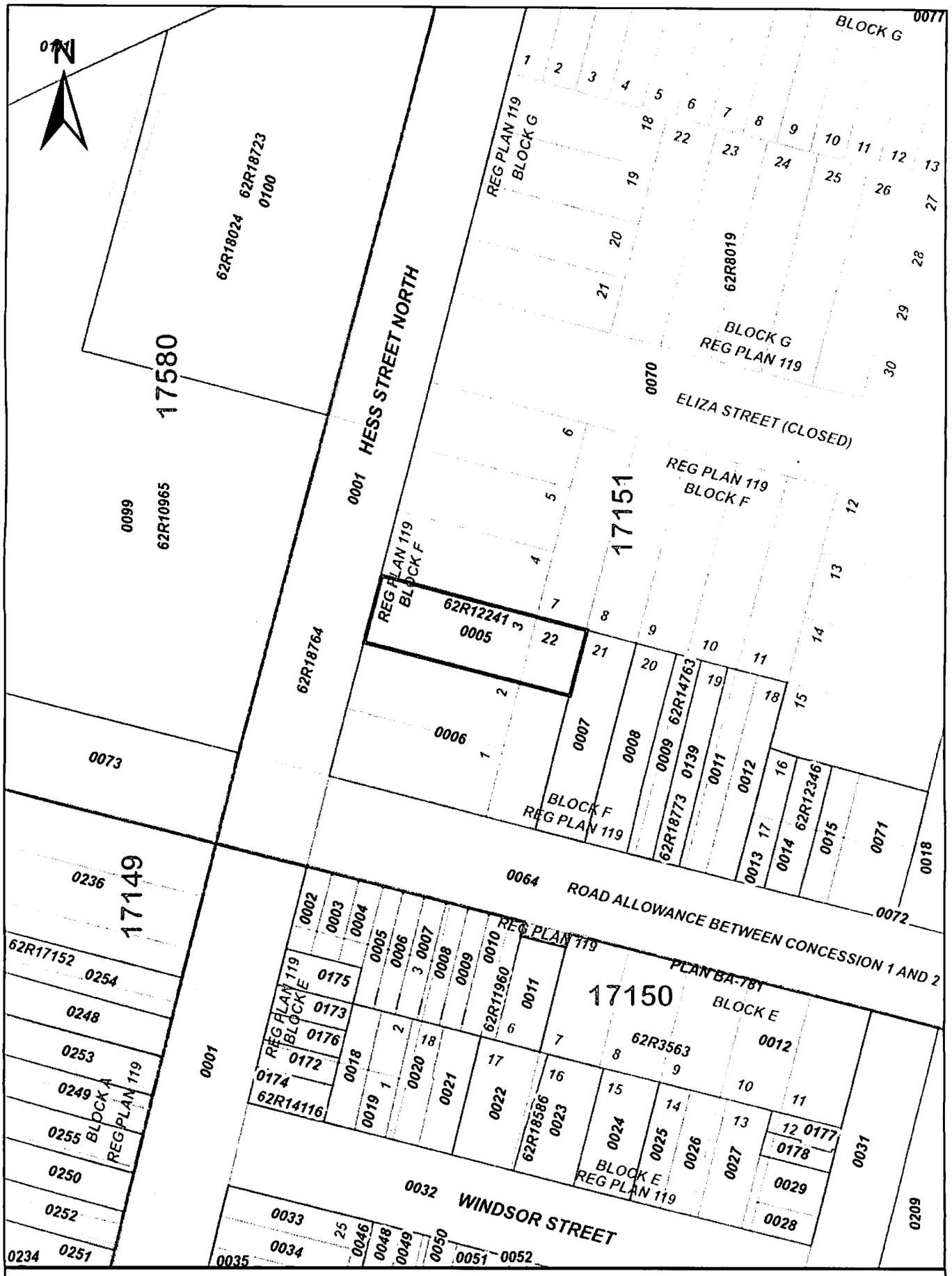
CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
62R12241	1992/06/29	PLAN REFERENCE				C
VM199827	1994/11/30	TRANSFER	$170,000		1100892 ONTARIO INC.	C
VM250096	2001/01/05	DEBENTURE		*** DELETED AGAINST THIS PROPERTY *** 1100892 ONTARIO INC.	ROYNAT INC.	
VM263857	2005/03/04	DEBENTURE		*** DELETED AGAINST THIS PROPERTY *** 1100892 ONTARIO INC.	ROYNAT INC.	
CORRECTIONS: 'PARTY' CHANGED FROM 'ROYNAT INC.' TO '1100892 ONTARIO INC.' ON 2007/09/12 BY CINDY JOHNSON. 'PARTY: 1100892 ONTARIO INC.' DELETED ON 2007/09/12 BY CINDY JOHNSON. 'PARTY: ROYNAT INC.' ADDED ON 2007/09/12 BY CINDY JOHNSON.						
WE710223	2010/08/18	DISCH OF CHARGE		*** COMPLETELY DELETED *** ROYNAT INC.		
REMARKS: VM250096.						
WE710224	2010/08/18	DISCH OF CHARGE		*** COMPLETELY DELETED *** ROYNAT INC.		
REMARKS: VM263857.						

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
WE710808	2010/08/20	TRANSFER	$503,765	1100892 ONTARIO INC.	CITY OF HAMILTON	C
	REMARKS: PLANNING ACT STATEMENTS					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



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SCALE
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LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

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REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

PROPERTY INDEX MAP

WENTWORTH(No. 62)

THIS IS NOT A PLAN OF SURVEY

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 162 Barton Street West, Hamilton
Legal Description: Part lots 16-17 Block F Plan 119 desig. As Part 28, 62R18764

PIN #: 17151-0071(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
510	Deed	27 04 1803	Caleb Reynolds	John Baptiste ROUSSEAU
16	Deed	30 07 1816	John B. Rousseau	James MILLS & Peter HESS
7	Deed	30 07 1816	James Mills	Peter HESS
2267	Deed	30 04 1835	Peter Hess	James Lorenzo WILLSON
352	Deed	02 04 1836	James Lorenzo Willson	Miles O'REILLY
350	Deed	19 04 1837	Miles O'Reilly	George TIFFANY
893	Deed	06 04 1840	George Tiffany	Peter HESS
1073	Deed	12 05 1852	Peter Hess	Horatio Nelson CASE

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 162 Barton Street West, Hamilton
Legal Description: Part lots 16-17 Block F Plan 119 desig. As Part 28, 62R18764

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0071(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
		Break in chain from 1852 to 1903		
76921	Deed	28 04 1903	James Thomson	William GOLDBERG
152889	Deed	06 12 1913	William Goldberg	Carlo BANASSI & Cesera BANASSI
221917	Deed	06 04 1921	Carlo & Cesera Banassi	Giuseppe FABBRI
220608NS	Deed	02 03 1953	Giuseppe Fabbri	Joseph ANDRUKAITIS
270118NS	Deed	12 08 1955	Joseph Andrukaitis	Murray LIEBERMAN
265304HL	Deed	05 03 1964	Murray Lieberman	Benjamin LIEBERMAN
73974AB	Deed	28 11 1967	Benjamin Lieberman	Jack LIEBERMAN
180128	Tax Deed	06 04 1994	Treasurer City of Hamilton (Jack Lieberman defaulted in taxes)	The Corporation of The City of Hamilton

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 162 Barton Street West, Hamilton
Legal Description: Part lots 16-17 Block F Plan 119 desig. As Part 28, 62R18764

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0071(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
VM216074	Deed	25 08 1995	The Corporation of The City of Hamilton	1014587 Ontario Inc.
VM242473	Deed	03 07 1998	1014587 Ontario Inc.	Ion PATRASCU
VM245979	Easement	19 08 1999	Ion Patrascu	The Corporation of The City of Hamilton
VM262473	Deed	29 10 2004	Ion Patrascu	1631110 Ontario Inc.
WE725955	Deed (Present Owner)	08 11 2010	1631110 Ontario Inc.	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0071 (LT)

PREPARED FOR Bertuccil

ON 2017/11/17 AT 15:53:40

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 16 AND 17 BLK F PL 119, PART 28 ON 62R18764; S/T VM245979; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0134

PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
VM245977	1999/08/19	AGREEMENT		PATRASCU, ION	THE CORPORATION OF THE CITY OF HAMILTON	C
REMARKS: SITE PLAN						
VM245979	1999/08/19	TRANSFER EASEMENT		PATRASCU, ION	THE CORPORATION OF THE CITY OF HAMILTON	C
VM262473	2004/10/29	TRANSFER		*** DELETED AGAINST THIS PROPERTY *** PATRASCU, ION	1631110 ONTARIO INC.	
REMARKS: PLANNING ACT STATEMENT						
62R18764	2010/06/08	PLAN REFERENCE				C
WE725955	2010/11/08	TRANSFER	$360,000	1631110 ONTARIO INC.	CITY OF HAMILTON	C
REMARKS: PLANNING ACT STATEMENTS						

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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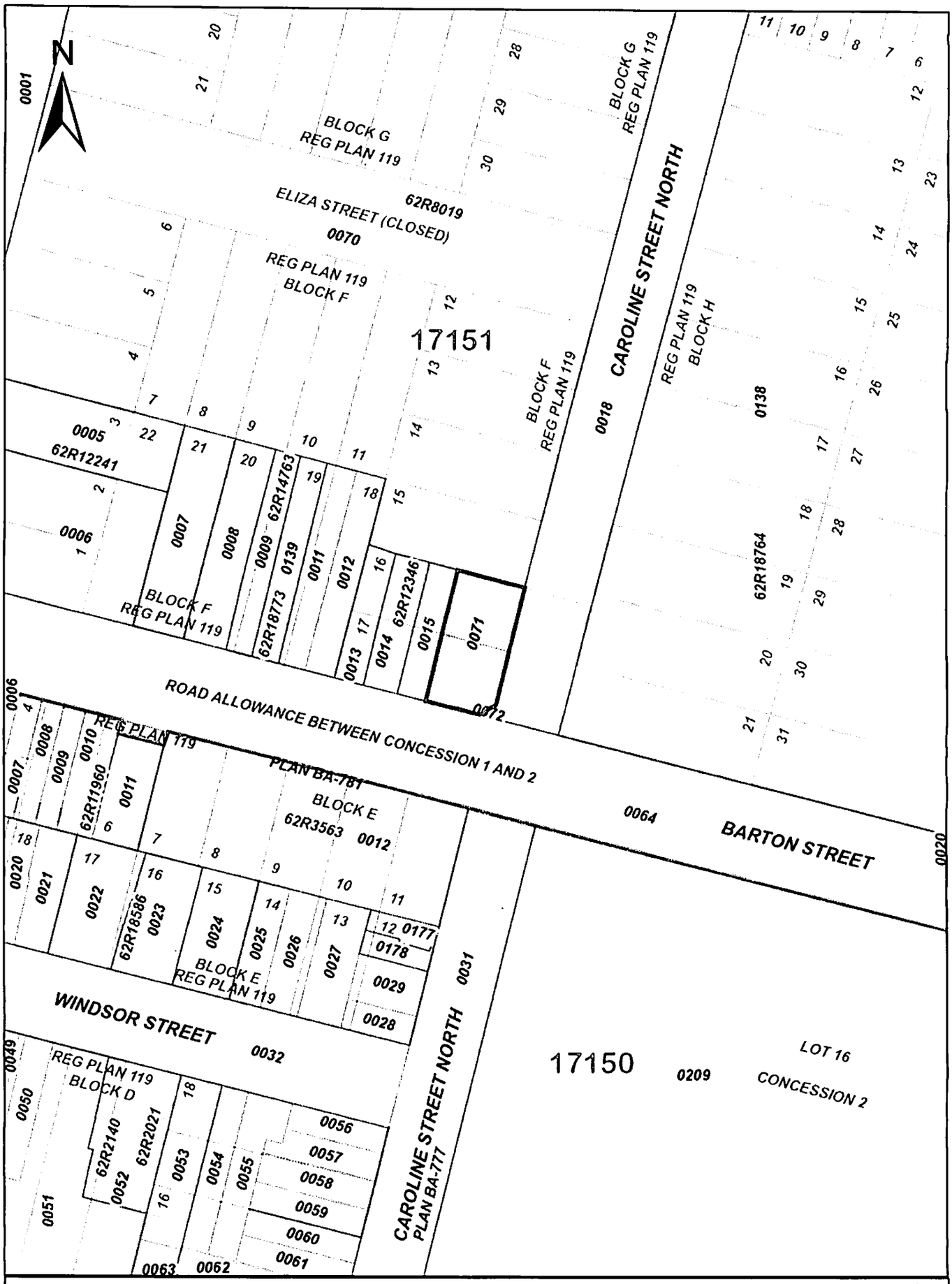

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PROPERTY INDEX MAP
WENTWORTH(No. 62)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

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REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 166 Barton Street West, Hamilton
Legal Description: Part lots 16-17 Block F Plan 119 as in AB203501

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0015(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
510	Deed	27 04 1803	Caleb Reynolds	John Baptiste ROUSSEAU
16	Deed	30 07 1816	John B. Rousseau	James MILLS & Peter HESS
7	Deed	30 07 1816	James Mills	Peter HESS
2267	Deed	30 04 1835	Peter Hess	James Lorenzo WILLSON
352	Deed	02 04 1836	James Lorenzo Willson	Miles O'REILLY
350	Deed	19 04 1837	Miles O'Reilly	George TIFFANY
893	Deed	06 04 1840	George Tiffany	Peter HESS
1073	Deed	12 05 1852	Peter Hess	Horatio Nelson CASE

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #:	TB171019	**Searched at:**	Hamilton
Address:	166 Barton Street West, Hamilton	**LRO #:**	62
Legal Description:	Part lots 16-17 Block F Plan 119 as in AB203501		
PIN #:	17151-0015(LT)		

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
		Break in chain from 1852 to 1903		
79148	Deed	31 12 1903	William MaGee	Francis MAGEE
84917	Deed	09 05 1905	Francis Magee	John WILLIAMSON
97554	Deed	11 06 1907	John Williamson	Clara CRUMP & George CRUMP
109209	Deed	22 10 1909	Clara Crump & George Crump	Ettie CARRASSIK (CARR)
256313HL	Deed	02 12 1963	Ettie Carr - estate	Ercolina GODIN
AB203501	Deed	30 04 1971	Ercolina Godin	Anthony GODIN & Ercolina GODIN
WE712986	Deed (Present Owner)	31 08 2010	Anthony Godin (surviving joint tenant)	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0015 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 15:52:29

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 16-17 BLK F PL 119 AS IN AB203501; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0086

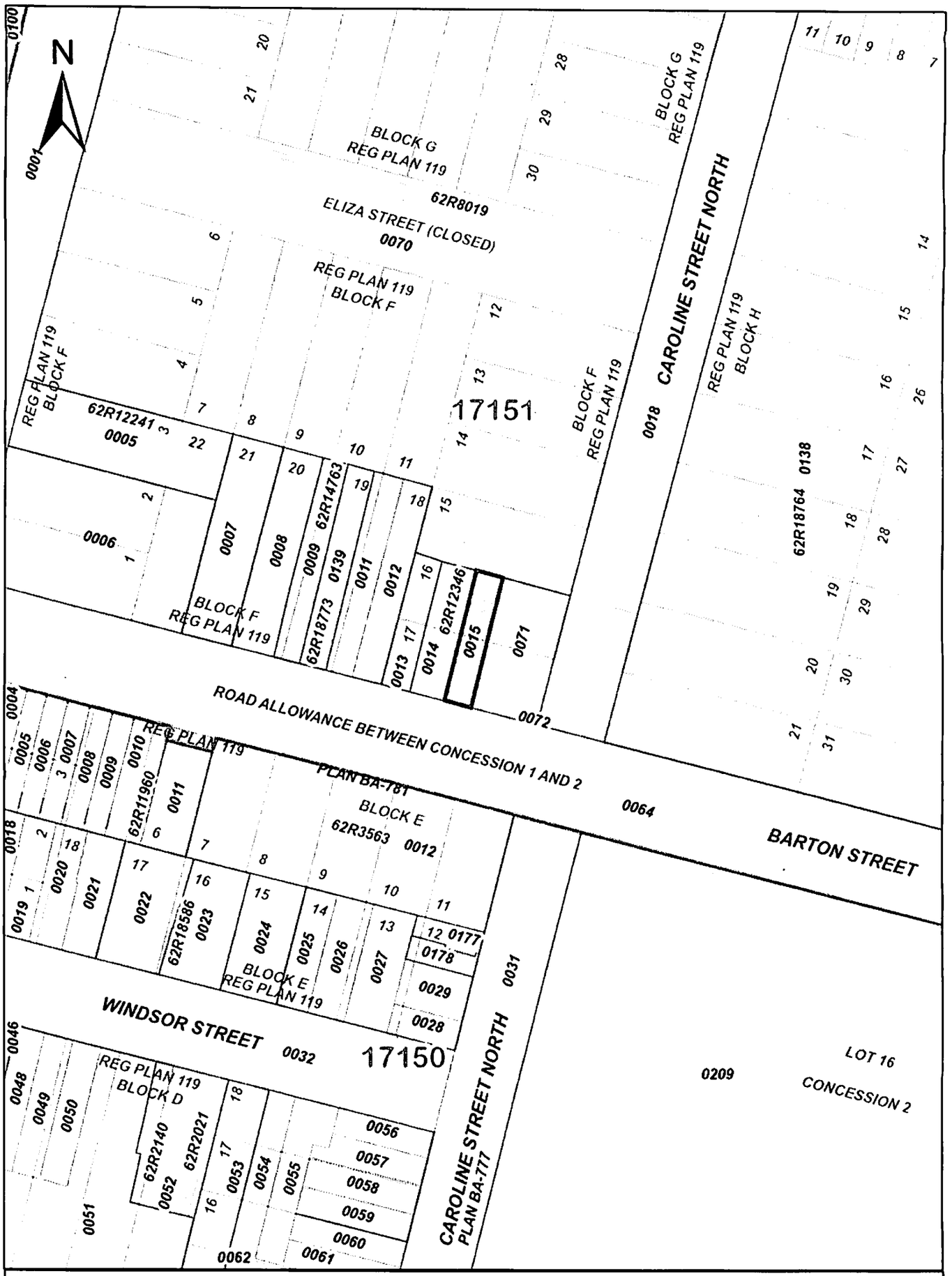
PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
AB203501	1971/04/30	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	GODIN, ANTHONY GODIN, ERCOLINA	
WE711516	2010/08/25	APL OF SURV-LAND		*** COMPLETELY DELETED *** GODIN, ERCOLINA	GODIN, ANTHONY	
WE712986	2010/08/31	TRANSFER	$160,000	GODIN, ANTHONY	CITY OF HAMILTON	C
REMARKS: PLANNING ACT STATEMENTS						

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



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LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	———
EASEMENT	- - - -

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

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PROPERTY INDEX MAP

WENTWORTH(No. 62)

THIS IS NOT A PLAN OF SURVEY

Ontario

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 168 Barton Street West, Hamilton
Legal Description: Part lots 16-17 Block F Plan 119 desig. As Parts 1 & 2, 62R12346

PIN #: 17151-0014(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
510	Deed	27 04 1803	Caleb Reynolds	John Baptiste ROUSSEAU
16	Deed	30 07 1816	John B. Rousseau	James MILLS & Peter HESS
7	Deed	30 07 1816	James Mills	Peter HESS
2267	Deed	30 04 1835	Peter Hess	James Lorenzo WILLSON
352	Deed	02 04 1836	James Lorenzo Willson	Miles O'REILLY
350	Deed	19 04 1837	Miles O'Reilly	George TIFFANY
893	Deed	06 04 1840	George Tiffany	Peter HESS
1073	Deed	12 05 1852	Peter Hess	Horatio Nelson CASE

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 168 Barton Street West, Hamilton
Legal Description: Part lots 16-17 Block F Plan 119 desig. As Parts 1 & 2, 62R12346

PIN #: 17151-0014(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
			Break in chain from 1852 to 1903	
76921	Deed	28 04 1903	James Thomson	William GOLDBERG
92024	Deed	11 09 1906	William Goldberg	Peter WINGERT
120162	Deed	11 04 1911	Peter Wingert	James MORROW
122258	Deed	13 06 1911	James Morrow	Abraham TICE
256318HL	Deed	02 12 1963	Abraham Tice - estate	Franz SZUMNY & Luise SZUMNY
141442	Deed	15 12 1992	Luise G. Szumny - estate Franz Szumny - estate	683506 Ontario Inc.
VM199561	Deed	25 11 1994	683506 Ontario Inc.	Jose DE SOUSA, Fatima DE SOUSA & Linda DE SOUSA
VM199563	Deed	25 11 1994	Jose, Fatima & Linda De Sousa	Horacio DUARTE & Gracinda DUARTE

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 168 Barton Street West, Hamilton
Legal Description: Part lots 16-17 Block F Plan 119 desig. As Parts 1 & 2, 62R12346

PIN #: 17151-0014(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
VM232367	Deed	26 07 1996	Horacio & Gracinda Duarte	Nuno JACOME, Maria Teresa FREITAS & Manuel JACOME
VM255928	Deed	27 01 2003	Nuno & Manuel Jacome Maria Teresa Freitas	Karen SANIDAS & Jim SANIDAS
WE700301	Deed (Present Owner)	30 06 2010	Karen & Jim Sanidas	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0014 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 15:52:06

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 16-17 BLK F PL 119 PART 1 & 2 62R12346; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0085

PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

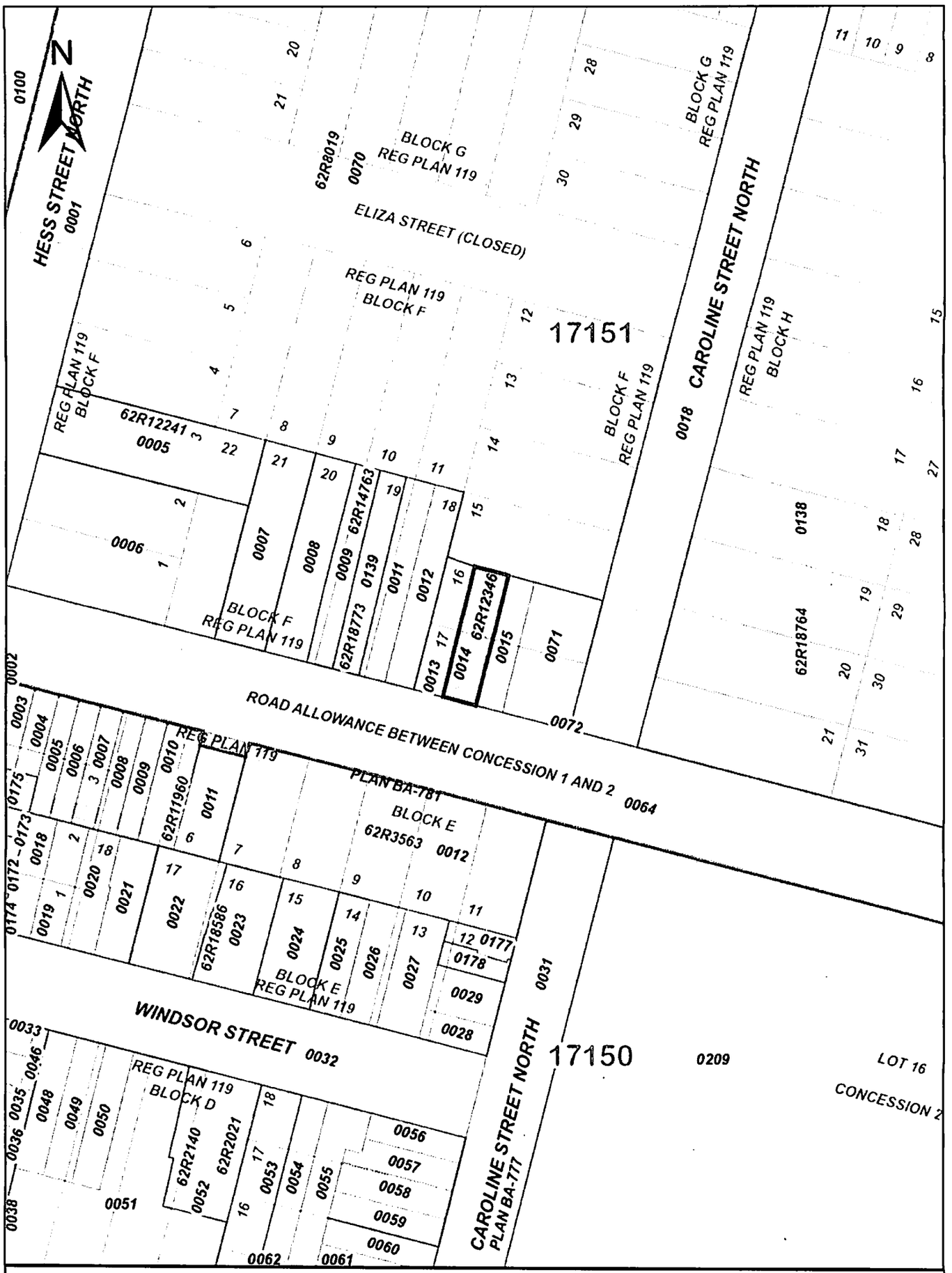
CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
62R12346	1992/09/24	PLAN REFERENCE				C
VM219852	1995/10/23	AGREEMENT			CITY OF HAMILTON	C
VM255928	2003/01/27	TRANSFER		*** DELETED AGAINST THIS PROPERTY *** JACOME, NUNO FREITAS, MARIA TERESA JACOME, MANUEL	 SANIDAS, KAREN SANIDAS, JIM	
VM255929	2003/01/27	CHARGE		*** DELETED AGAINST THIS PROPERTY *** SANIDAS, KAREN SANIDAS, JIM	MCAP SERVICE CORPORATION	
WE700301	2010/06/30	TRANSFER	$185,000	SANIDAS, JIM SANIDAS, KAREN	CITY OF HAMILTON	C
REMARKS: PLANNING ACT STATEMENTS						
WE714978	2010/09/13	DISCH OF CHARGE		*** COMPLETELY DELETED *** MCAP SERVICE CORPORATION		

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
REMARKS: VM255929.						

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



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FOR D.B.

SCALE

0 25 Meters

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	- - - -

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

PROPERTY INDEX MAP

WENTWORTH(No. 62)

THIS IS NOT A PLAN OF SURVEY

Ontario

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 170 Barton Street West, Hamilton
Legal Description: Part lots 16-17 Block F Plan 119 as in VM235449

PIN #: 17151-0013(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
510	Deed	27 04 1803	Caleb Reynolds	John Baptiste ROUSSEAU
16	Deed	30 07 1816	John B. Rousseau	James MILLS & Peter HESS
7	Deed	30 07 1816	James Mills	Peter HESS
2267	Deed	30 04 1835	Peter Hess	James Lorenzo WILLSON
352	Deed	02 04 1836	James Lorenzo Willson	Miles O'REILLY
350	Deed	19 04 1837	Miles O'Reilly	George TIFFANY
893	Deed	06 04 1840	George Tiffany	Peter HESS
1073	Deed	12 05 1852	Peter Hess	Horatio Nelson CASE

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 170 Barton Street West, Hamilton
Legal Description: Part lots 16-17 Block F Plan 119 as in VM235449

PIN #: 17151-0013(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
		Break in chain from 1852 to 1903		
76921	Deed	28 04 1903	James Thomson	William GOLDBERG
92024	Deed	11 09 1906	William Goldberg	Peter WINGERT
120162	Deed	11 04 1911	Peter Wingert	James MORROW
122258	Deed	13 06 1911	James Morrow	Abraham TICE
194159	Deed	14 09 1951	Abraham Tice	John DE LUCA & Amelia DE LUCA
VM235449	Deed	29 10 1996	Amelia & John De Luca	Louis DE LUCA & Joyce CIOTTI
WE721004	Deed (Present Owner)	24 10 2010	Louis De Luca - estate Joyce Ciotti - estate	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0013 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 15:51:42

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 16-17 BLK F PL 119 AS IN VM235449, S/T INTEREST IN VM235449; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0084

PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

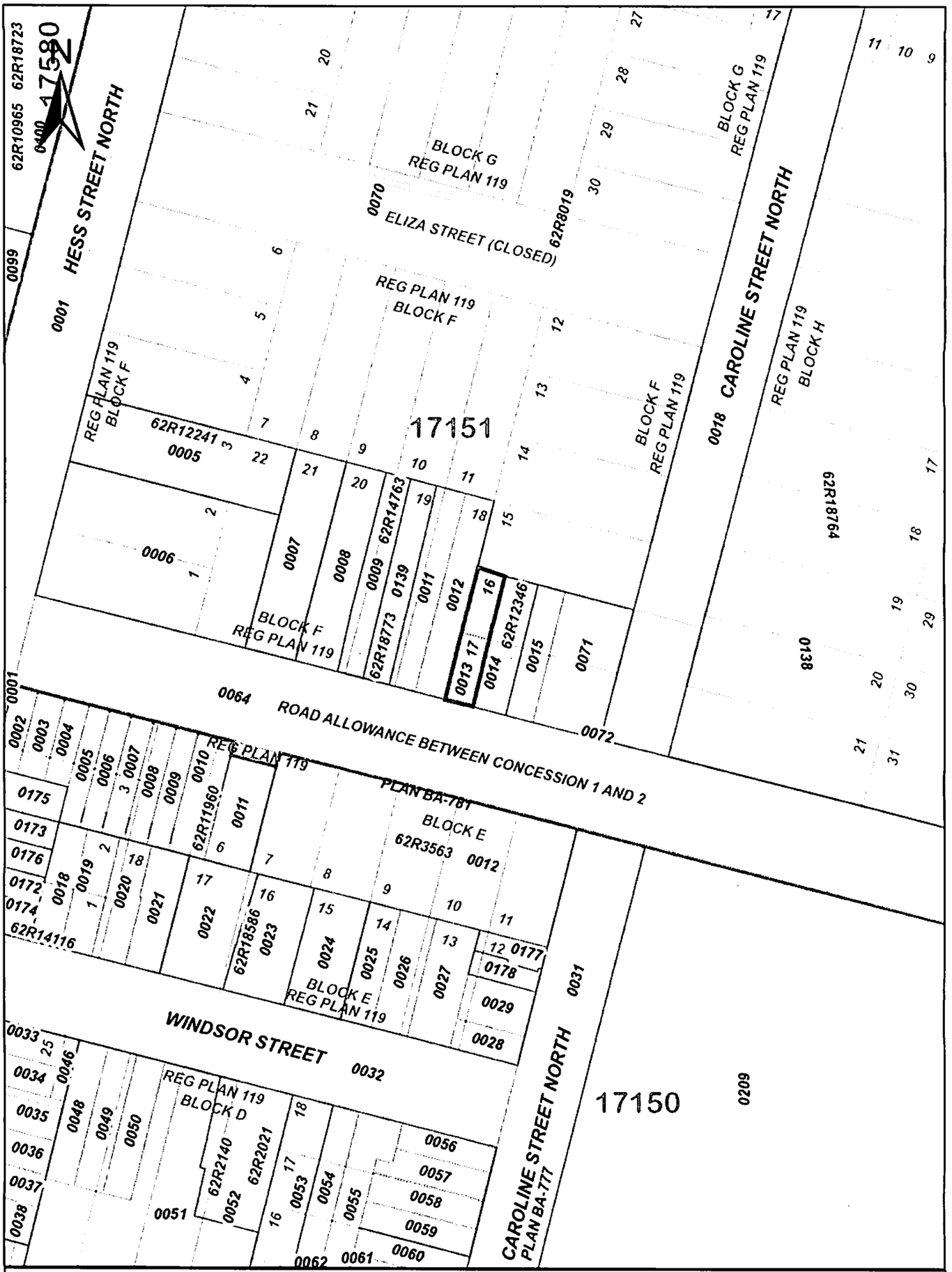
CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
AB252398	1972/06/16	CHARGE		*** COMPLETELY DELETED ***	RUBENSTEIN, JOSEPH RUBENSTEIN, IRENE	
VM235449	1996/10/29	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	DELUCA, LOUIS CIOTTI, JOYCE	
WE719923	2010/10/07	TRANSMISSION-LAND		*** COMPLETELY DELETED *** DELUCA, LOUIS	DELUCA, CATHERINE VICTORIA DELUCA, LOUIS - ESTATE	
REMARKS: COVENANT OBTAINED						
WE719924	2010/10/07	TRANSMISSION-LAND		*** COMPLETELY DELETED *** CIOTTI, JOYCE	CIOTTI, FERNANDO	
WE719925	2010/10/07	APL (GENERAL)		*** COMPLETELY DELETED *** DELUCA, CATHERINE VICTORIA		
REMARKS: DELETE S/T LIFE INTEREST VM235448						

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
WE720718	2010/10/13	DISCH OF CHARGE		*** COMPLETELY DELETED *** RUBENSTEIN, JOSEPH RUBENSTEIN, IRENE		
	REMARKS: AB252398.					
WE721004	2010/10/14	TRANS PERSONAL REP	$130,000	CIOTTI, FERNANDO DELUCA, CATHERINE VICTORIA	CITY OF HAMILTON	C
	REMARKS: PLANNING ACT STATEMENTS					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



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SCALE
0 25 Meters

PROPERTY INDEX MAP
WENTWORTH(No. 62)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

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ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 172 Barton Street West, Hamilton
Legal Description: Part lot 18 Block F Plan 119 as in VM195645

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0012(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
510	Deed	27 04 1803	Caleb Reynolds	John Baptiste ROUSSEAU
16	Deed	30 07 1816	John B. Rousseau	James MILLS & Peter HESS
7	Deed	30 07 1816	James Mills	Peter HESS
2267	Deed	30 04 1835	Peter Hess	James Lorenzo WILLSON
352	Deed	02 04 1836	James Lorenzo Willson	Miles O"REILLY
350	Deed	19 04 1837	Miles O'Reilly	George TIFFANY
893	Deed	06 04 1840	George Tiffany	Peter HESS
1073	Deed	12 05 1852	Peter Hess	Horatio Nelson CASE

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 172 Barton Street West, Hamilton
Legal Description: Part lot 18 Block F Plan 119 as in VM195645

PIN #: 17151-0012(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
			Break in chain from 1852 to 1903	
78301	Deed	29 09 1903	John Brown & Elizabeth Brown	William GOLDBERG
172922	Deed	03 10 1916	William Goldberg	Morris LEVY
215354	Deed	21 09 1920	Morris Levy	Aladino BENASSI
215937	Deed	05 10 1920	Aladino Benassi	Aladino & Maria BENASSI
22062AB	Deed	03 08 1966	Aladino Benassi - estate	Jozo SMILOVIC & Nicola SMILOVIC
140511AB	Deed	30 07 1969	Jozo & Nicola Smilovic	Josephine GIANNOTTI & Ermene GIANNOTTI
212999AB	Deed	15 07 1971	Josephine & Ermene Giannotti	Albert LIEBERMAN & Jack LIEBERMAN
220100AB	Deed	13 09 1971	Albert & Jack Lieberman	Josephine GIANNOTTI & Ermene GIANNOTTI

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 172 Barton Street West, Hamilton
Legal Description: Part lot 18 Block F Plan 119 as in VM195645

PIN #: 17151-0012(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
326786CD	Deed	13 09 1985	Josephine & Ermene Giannotti	Robert PROVAN & Constance PROVAN
15046	Deed	01 11 1989	Robert & Constance Provan	Mitchell CRAWFORD & Rosemary CRAWFORD
195645VM	Deed	06 10 1994	Mitchell & Rosemary Crawford	Hoa HONG & Mai NGUYEN
WE701281	Deed (Present Owner)	05 07 2010	Hoa Hong & Mai Nguyen	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0012 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 15:51:09

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 18 BLK F PL 119 AS IN VM195645, S/T INTEREST IN VM195645; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0083

PIN CREATION DATE:
2008/03/17

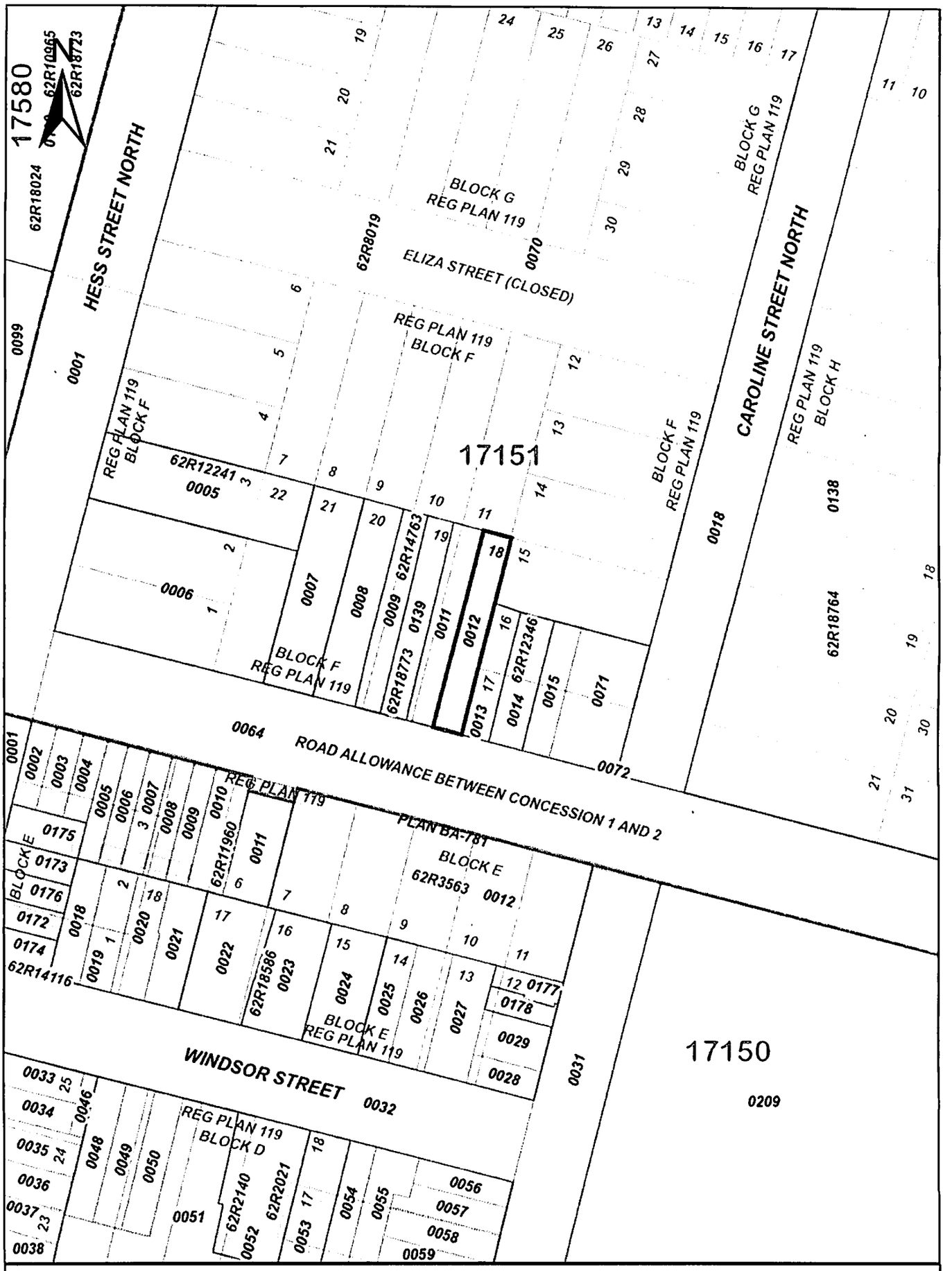
OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
VM195645	1994/10/06	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	HONG, HOA NGUYEN, MAI	
VM268865	2006/06/01	CHARGE		*** DELETED AGAINST THIS PROPERTY *** HONG, HOA NGUYEN, MAI	BANK OF MONTREAL	
VM272745	2007/05/15	CHARGE		*** DELETED AGAINST THIS PROPERTY *** HONG, HOA NGUYEN, MAI	ROYAL BANK OF CANADA	
WE692816	2010/06/01	DISCH OF CHARGE		*** COMPLETELY DELETED *** BANK OF MONTREAL		
REMARKS: VM268865.						
WE701281	2010/07/05	TRANSFER	$187,000	HONG, HOA NGUYEN, MAI	CITY OF HAMILTON	C
REMARKS: PLANNING ACT STATEMENTS						

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
WE709786	2010/08/17	DISCH OF CHARGE		*** COMPLETELY DELETED *** ROYAL BANK OF CANADA		
REMARKS: VM272745.						



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LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

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REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

PROPERTY INDEX MAP

WENTWORTH(No. 62)

THIS IS NOT A PLAN OF SURVEY

Ontario

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 174 Barton Street West, Hamilton
Legal Description: Part lots 18-19, Block F Plan 119 as in CD243009

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0011(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
1151	Deed	21 10 1806	Caleb Reynolds	John LOCKWOOD
1479	Deed	24 09 1808	John Lockwood	James BABY
171	Deed	09 09 1824	James Baby	Richard BEASLEY
172	Deed	09 09 1824	Richard Beasley	Hon. James CROOKS
257	Deed	18 07 1831	Hon. James Crooks - estate	Allan Napier MACNAB
2098	Deed	19 05 1835	Allan Napier MacNab	John STRACHAN
333	Deed	17 06 1839	John Strachan	Allan Napier MACNAB
334	Deed	17 06 1839	Allan Napier MacNab	William LEE

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 174 Barton Street West, Hamilton
Legal Description: Part lots 18-19, Block F Plan 119 as in CD243009

PIN #: 17151-0011(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
40	Deed	11 04 1840	William Lee	John RADENHURST
697	Deed	10 03 1853	John Radenhurst	Edward HERBERT
725	Deed	15 06 1865	Edward Herbert	Frederick BRAY
637	Deed	25 10 1864	Frederick Bray	John DILLON
		Break in chain from 1864 to 1901		
72162	Deed	17 05 1901	Joseph Kent	Alice KENT
82074	Deed	28 09 1904	Alice Kent	William GOLDBERG
99230	Deed	18 09 1907	William Goldberg	Frederick BALDASSARI
213483	Deed	30 07 1920	Frederick Baldassari	Ernest DI VIRGILIO
3959AB	Deed	15 02 1966	Ernest Di Virgilio	Vittorio BENASSI & Lea BENASSI

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 174 Barton Street West, Hamilton
Legal Description: Part lots 18-19, Block F Plan 119 as in CD243009

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0011(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
321592AB	Deed	31 12 1973	Vittorio & Lea Benassi	Rosa BENASSI
WE724517	Deed (Present Owner)	01 11 2010	Rosa Benassi	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0011 (LT)

PREPARED FOR Bertucci1
ON 2017/11/17 AT 15:50:52

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 18-19 BLK F PL 119 AS IN CD243009, S/T INTEREST IN AB239358; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0082

PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
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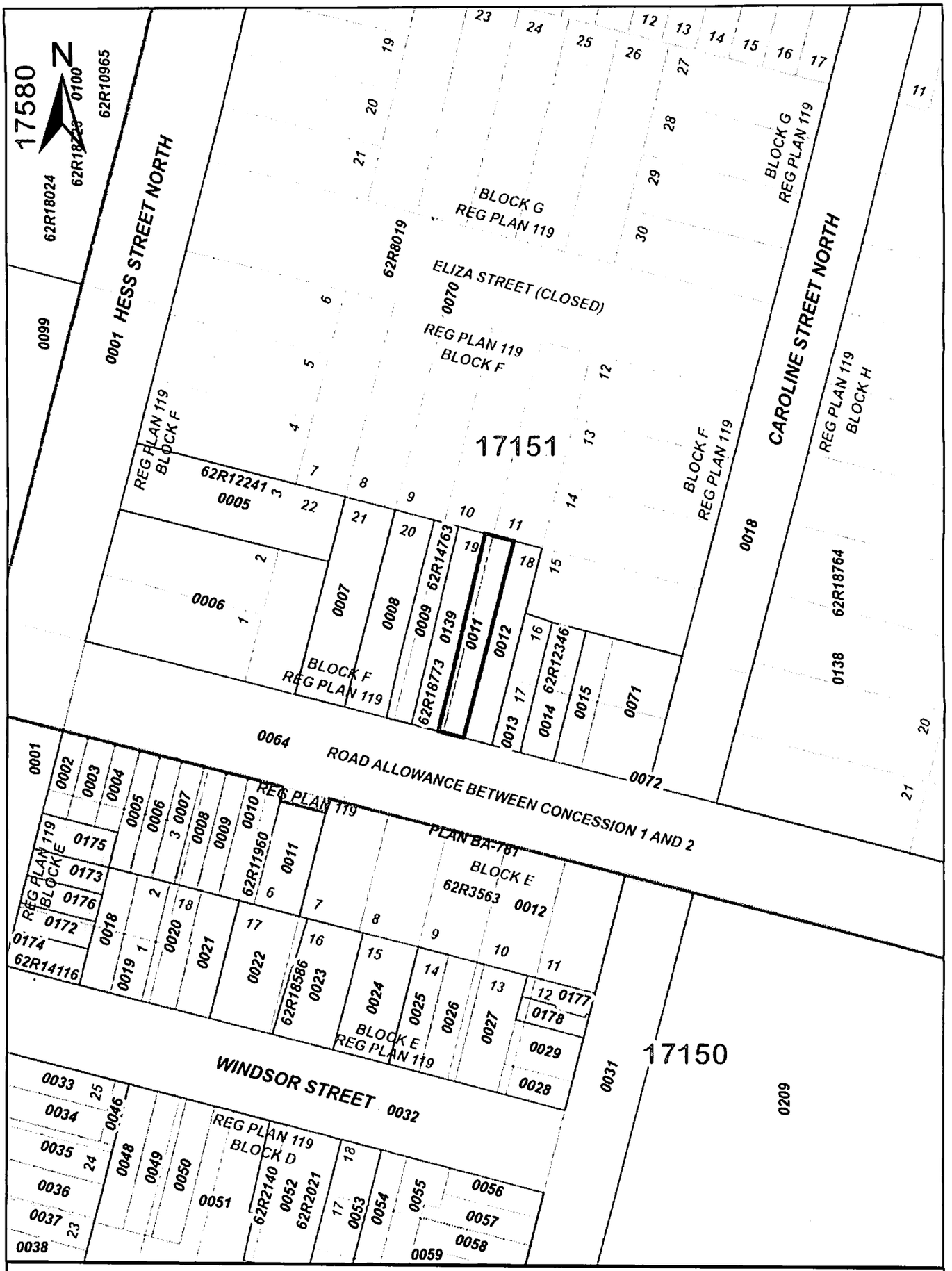
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
AB320760	1973/12/20	AGREEMENT				C
REMARKS: SEWERS						
CD243009	1983/04/29	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	BENASSI, ROSA	
WE724517	2010/11/01	TRANSFER	$195,000	BENASSI, ROSA	CITY OF HAMILTON	C
REMARKS: PLANNING ACT STATEMENTS						

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



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SCALE

0 25 Meters

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

PROPERTY INDEX MAP

WENTWORTH(No. 62)

THIS IS NOT A PLAN OF SURVEY

Ontario

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 176 Barton Street West, Hamilton
Legal Description: Part lot 19, Block F Plan 119 desig. As Parts 1 & 2, 62R18773

PIN #: 17151-0139(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
1151	Deed	21 10 1806	Caleb Reynolds	John LOCKWOOD
1479	Deed	24 09 1808	John Lockwood	James BABY
171	Deed	09 09 1824	James Baby	Richard BEASLEY
172	Deed	09 09 1824	Richard Beasley	Hon. James CROOKS
257	Deed	18 07 1831	Hon. James Crooks - estate	Allan Napier MACNAB
2098	Deed	19 05 1835	Allan Napier MacNab	John STRACHAN
333	Deed	17 06 1839	John Strachan	Allan Napier MACNAB
334	Deed	17 06 1839	Allan Napier MacNab	William LEE

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #:	TB171019	**Searched at:**	Hamilton	
Address:	176 Barton Street West, Hamilton	**LRO #:**	62	Page 2
Legal Description:	Part lot 19, Block F Plan 119 desig. As Parts 1 & 2, 62R18773			
PIN #:	17151-0139(LT)			

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
40	Deed	11 04 1840	William Lee	John RADENHURST
697	Deed	10 03 1853	John Radenhurst	Edward HERBERT
725	Deed	15 06 1865	Edward Herbert	Frederick BRAY
637	Deed	25 10 1864	Frederick Bray	John DILLON
		Break in chain from 1864 to 1901		
72162	Deed	17 05 1901	Joseph Kent	Alice KENT
82074	Deed	28 09 1904	Alice Kent	William GOLDBERG
105350	Deed	22 12 1908	William Goldberg	Alexander LEWIS
124680	Deed	14 09 1911	Alexander Lewis	Wenzel ANGNER & Annie ANGNER
205370	Deed	06 02 1920	Wenzel & Annie Angner	Giuseppe CINO & Giuseppina CINO

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 176 Barton Street West, Hamilton
Legal Description: Part lot 19, Block F Plan 119 desig. As Parts 1 & 2, 62R18773

PIN #: 17151-0139(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
235445	Deed	18 04 1922	Giuseppe & Giuseppina Cino	Alledino BENASSI
239358AB	Deed	01 03 1972	Giorgio Benassi, exor. Of the estate of Alledino Benassi	Vittorio BENASSI & Giovanni BENASSI
321591AB	Deed	31 12 1973	Vittorio Benassi & Giovanni Benassi	Lea BENASSI
WE713128	Deed (Present Owner)	01 09 2010	Lea Benassi	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0139 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 15:54:44

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PART OF LOT 19 BLK F PLAN 119 DESIGNATED AS PARTS 1 AND 2 ON 62R18773; S/T EASEMENT OVER PART 2 62R18773 AS IN AB239358; CITY OF HAMILTON

PROPERTY REMARKS: PLANNING ACT CONSENT AS IN AB321590.

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0010

PIN CREATION DATE:
2010/09/01

OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2010/09/01 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2010/09/01 **						
AB320760	1973/12/20	AGREEMENT				C
	REMARKS: SEWERS					
VM268059	2006/03/22	TRANSFER		*** DELETED AGAINST THIS PROPERTY *** BENASSI, LEA	BENASSI, LEA	
62R18773	2010/06/16	PLAN REFERENCE				C
WE713128	2010/09/01	TRANSFER	$170,000	BENASSI, LEA	CITY OF HAMILTON	C
	REMARKS: PLANNING ACT STATEMENTS					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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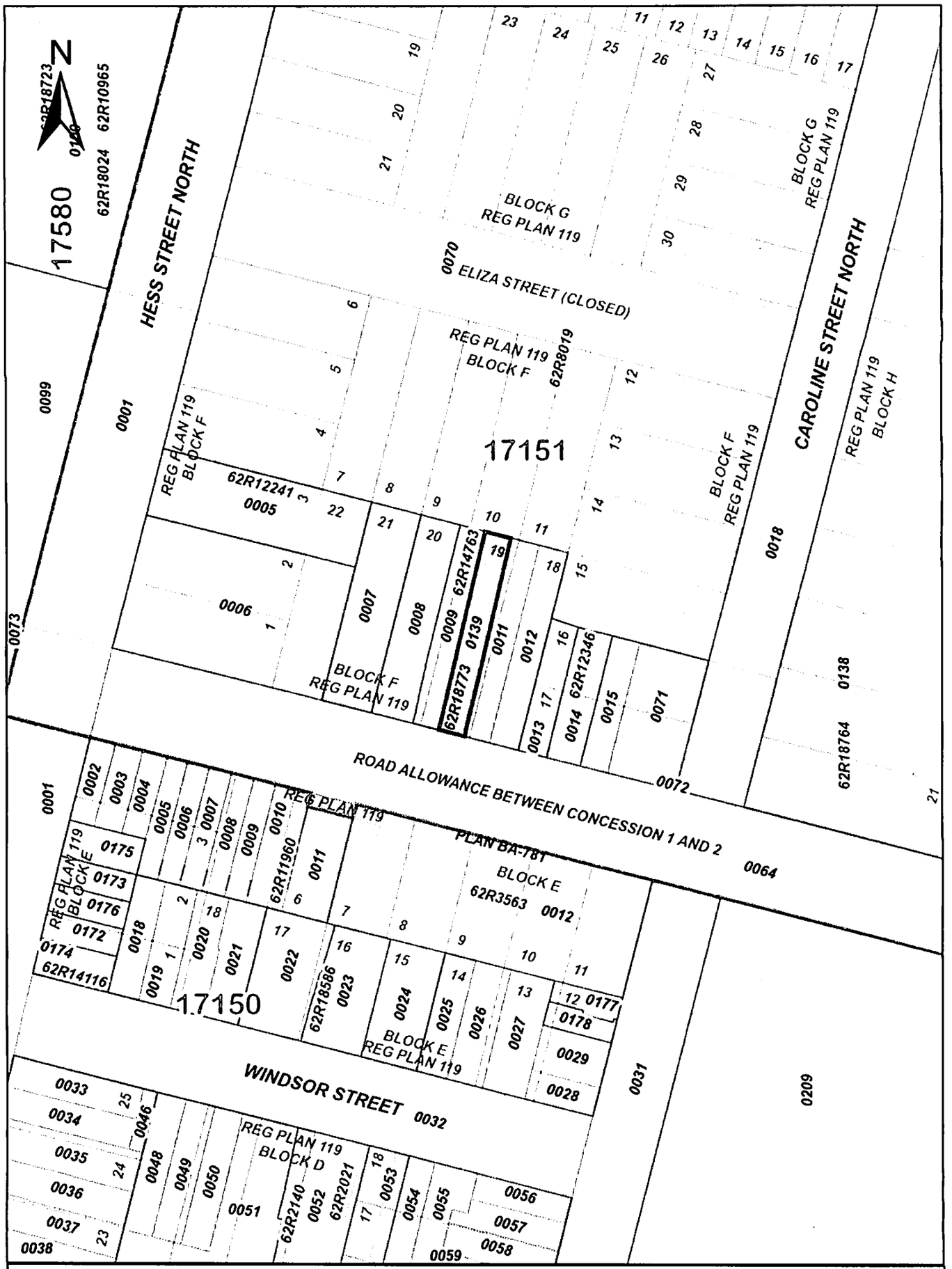

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SCALE
0 25 Meters

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

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REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

PROPERTY INDEX MAP

WENTWORTH(No. 62)

THIS IS NOT A PLAN OF SURVEY

Ontario

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 178 Barton Street West, Hamilton
Legal Description: Part lots 19- 20, Block F Plan 119 desig. As Part 1, 62R14763

PIN #: 17151-0009(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
1151	Deed	21 10 1806	Caleb Reynolds	John LOCKWOOD
1479	Deed	24 09 1808	John Lockwood	James BABY
171	Deed	09 09 1824	James Baby	Richard BEASLEY
172	Deed	09 09 1824	Richard Beasley	Hon. James CROOKS
257	Deed	18 07 1831	Hon. James Crooks - estate	Allan Napier MACNAB
2098	Deed	19 05 1835	Allan Napier MacNab	John STRACHAN
333	Deed	17 06 1839	John Strachan	Allan Napier MACNAB
334	Deed	17 06 1839	Allan Napier MacNab	William LEE

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 178 Barton Street West, Hamilton
Legal Description: Part lots 19- 20, Block F Plan 119 desig. As Part 1, 62R14763

PIN #: 17151-0009(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
40	Deed	11 04 1840	William Lee	John RADENHURST
697	Deed	10 03 1853	John Radenhurst	Edward HERBERT
725	Deed	15 06 1865	Edward Herbert	Frederick BRAY
637	Deed	25 10 1864	Frederick Bray	John DILLON
		Break in chain from 1864 to 1901		
72162	Deed	17 05 1901	Joseph Kent	Alice KENT
82074	Deed	28 09 1904	Alice Kent	William GOLDBERG
99230	Deed	18 09 1907	William Goldberg	Frederick BALDASSARI
213483	Deed	30 07 1920	Frederick Baldassari	Ernest DI VIRGILIO
3959AB	Deed	15 02 1966	Ernest Di Virgilio	Vittorio BENASSI & Lea BENASSI

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 178 Barton Street West, Hamilton
Legal Description: Part lots 19- 20, Block F Plan 119 desig. As Part 1, 62R14763

PIN #: 17151-0009(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
321591AB	Deed	31 12 1973	Vittorio & Lea Benassi	Lea BENASSI
VM243640	Deed	16 11 1998	Lea Benassi	Evangelina FRAGOSO
WE713099	Deed (Present Owner)	01 09 2010	Evangelina Fragoso	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0009 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 15:50:23

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 19-20 BLK F PL 119 PT 1 62R14763; CITY OF HAMILTON

PROPERTY REMARKS: PLANNING ACT CONSENT AS IN VM243640.

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0080

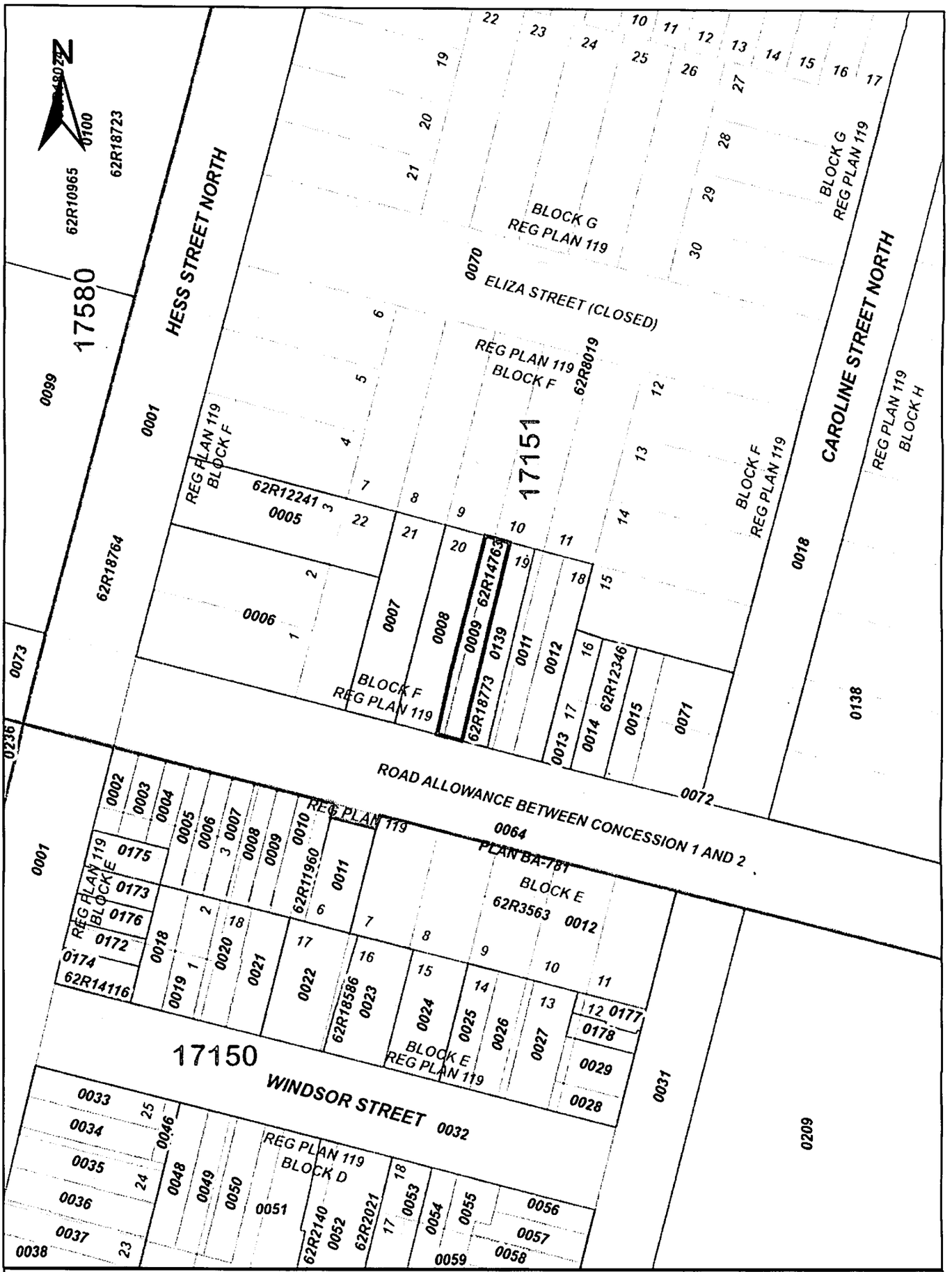
PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
62R14763	1998/10/19	PLAN REFERENCE				C
VM243640	1998/11/16	TRANSFER		*** DELETED AGAINST THIS PROPERTY *** BENASSI, LEA	FRAGOSO, EVANGELINA	
WE713099	2010/09/01	TRANSFER	$175,000	FRAGOSO, EVANGELINA	CITY OF HAMILTON	C
REMARKS: PLANNING ACT STATEMENTS						

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



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SCALE

0 25 Meters

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	———
EASEMENT	- - - -

NOTES

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PROPERTY INDEX MAP

WENTWORTH(No. 62)

THIS IS NOT A PLAN OF SURVEY

Ontario

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 180 Barton Street West, Hamilton
Legal Description: Part lot 20, Block F Plan 119 as in VM233071

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0008(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
1151	Deed	21 10 1806	Caleb Reynolds	John LOCKWOOD
1479	Deed	24 09 1808	John Lockwood	James BABY
171	Deed	09 09 1824	James Baby	Richard BEASLEY
172	Deed	09 09 1824	Richard Beasley	Hon. James CROOKS
257	Deed	18 07 1831	Hon. James Crooks - estate	Allan Napier MACNAB
2098	Deed	19 05 1835	Allan Napier MacNab	John STRACHAN
333	Deed	17 06 1839	John Strachan	Allan Napier MACNAB
334	Deed	17 06 1839	Allan Napier MacNab	John RADENHURST

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 180 Barton Street West, Hamilton
Legal Description: Part lot 20, Block F Plan 119 as in VM233071

PIN #: 17151-0008(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
697	Deed	10 03 1853	John Radenhurst	Edward HERBERT
725	Deed	15 06 1865	Edward Herbert	Frederick BRAY
637	Deed	25 10 1864	Frederick Bray	John DILLON
71914	Deed	19 04 1901	John Dillon	Julius WILLIAMS
75519	Deed	14 10 1902	Julius Williams	Hamilton Facing Mill Company Ltd
195664	Deed	04 06 1919	Hamilton Facing Mill Co. Ltd	John R. DODSON
234435	Deed	22 03 1922	John R. Dodson	Harry NICKERSON
276358	Deed	30 05 1925	Harry Nickerson	Sarah COHEN
97452AB	Deed	10 07 1968	Sarah Cohen - estate	Laurence PALOMBI

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 180 Barton Street West, Hamilton
Legal Description: Part lot 20, Block F Plan 119 as in VM233071

PIN #: 17151-0008(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
73044	Deed	18 01 1991	Laurence Palombi	Susan Mary COLAVECCHIA
VM233071	Deed	15 08 1996	Susan Mary Colavecchia	Thomas Steven LOTH Lisa VERTICCHIO-LOTH
VM251623	Deed	16 08 2001	Thomas Steven Loth	Lisa VERTICCHIO-LOTH
WE694001	Deed **(Present Owner)**	04 06 2010	Lisa Verticchio-Loth	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0008 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 15:50:01

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 20 BLK F PL 119 AS IN VM233071, S/T INTEREST IN VM233071; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0079

PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
VM251623	2001/08/16	TRANSFER		*** DELETED AGAINST THIS PROPERTY *** LOTH, THOMAS STEVEN VERTICCHIO-LOTH, LISA	VERTICCHIO-LOTH, LISA	
VM251624	2001/08/16	CHARGE		*** DELETED AGAINST THIS PROPERTY *** VERTICCHIO-LOTH, LISA	CIBC MORTGAGES INC. TRADING AS FIRSTLINE MORTGAGES	
VM273806	2007/08/15	CHARGE		*** DELETED AGAINST THIS PROPERTY *** VERTICCHIO-LOTH, LISA	DUNDAS FINANCIAL & MANAGEMENT SERVICES INC.	
CORRECTIONS: 'CHARGEE' CHANGED FROM 'DUNDAS FINANCIAL & MANAGEMENT SE' TO 'DUNDAS FINANCIAL & MANAGEMENT SERVICES INC.' ON 2007/09/05 BY CINDY JOHNSON. 'CHARGEE: RVICES INC.' DELETED ON 2007/09/05 BY CINDY JOHNSON.						
WE693962	2010/06/04	APL DEL EXECUTION		*** COMPLETELY DELETED *** VERTICCHIO-LOTH, LISA		
REMARKS: DELETES S/T EXECUTION 08-0000137 FROM THE PROPERTY DESCRIPTION						
WE694001	2010/06/04	TRANSFER	$148,000	VERTICCHIO-LOTH, LISA	CITY OF HAMILTON	C
REMARKS: PLANNING ACT STATEMENTS						

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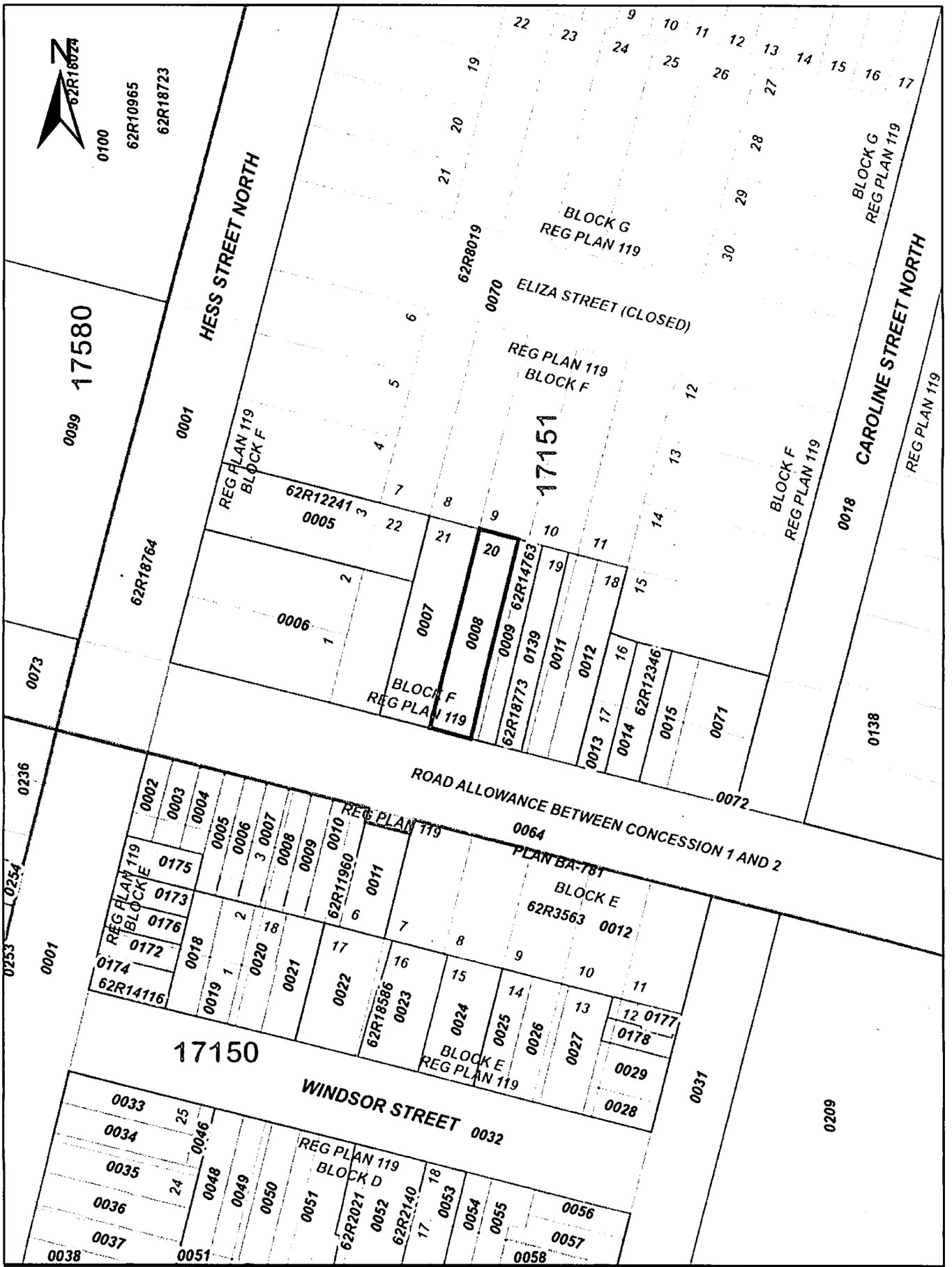
REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
WE694014	2010/06/04	DISCH OF CHARGE		*** COMPLETELY DELETED *** DUNDAS FINANCIAL & MANAGEMENT SERVICES INC.		
	REMARKS: VM273806.					
WE698012	2010/06/24	DISCH OF CHARGE		*** COMPLETELY DELETED *** CIBC MORTGAGES INC. TRADING AS FIRSTLINE MORTGAGES		
	REMARKS: VM251624.					



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FOR D.B.

SCALE
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Meters

PROPERTY INDEX MAP
WENTWORTH(No. 62)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

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REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 182 Barton Street West, Hamilton
Legal Description: lot 21 Block F, Plan 119

PIN #: 17151-0007(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
1151	Deed	21 10 1806	Caleb Reynolds	John LOCKWOOD
1479	Deed	24 09 1808	John Lockwood	James BABY
171	Deed	09 09 1824	James Baby	Richard BEASLEY
172	Deed	09 09 1824	Richard Beasley	James CROOKS
14646	Deed	28 07 1910	James Crooks - estate	Sarah LEVY
137730	Deed	20 09 1912	Sarah Levy	Esther BERNSTEIN
150366	Deed	08 09 1913	Esther Bernstein	Samuel LEVINTER
169242	Deed	11 03 1916	Samuel Levinter	William CARRICK, William DENTON & William HOLTON, trustees

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 182 Barton Street West, Hamilton
Legal Description: lot 21 Block F, Plan 119

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0007(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
191114	Deed	12 12 1918	William Carrick, William Denton & William Holton, trustees	Samuel LEVINTER
195664	Deed	04 06 1919	The Hamilton Facing Mill Company Limited	John DODSON
234435	Deed	22 03 1922	John Dodson	Harry NICKERSON
276358	Deed	30 05 1925	Harry Nickerson	Sarah COHEN
87992NS	Tax Deed	08 08 1944	Treasurer City of Hamilton (Sarah Cohen defaulted in taxes)	The Corporation of The City of Hamilton
158380NS	Deed	06 10 1947	The Corporation of The City of Hamilton	Annie KNYSH
168871NS	Deed	16 05 1950	Annie Knysh	John KNYSH
252323HL	Deed	29 10 1963	John Knysh - estate	Annie KNYSH
137555AB	Deed	03 07 1969	Annie Knysh - estate	John LOTH & Yolanda LOTH

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 182 Barton Street West, Hamilton
Legal Description: lot 21 Block F, Plan 119

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0007(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
436071CD	Deed	19 11 1987	John Loth & Yolanda Loth	John LOTH
145926VM	Deed	09 02 1993	John Loth	Thomas Steven LOTH
WE702650	Deed	12 07 2010	Thomas Steven Loth	Scott and Pichelli Limited, trustees in Bankruptcy of the estate of Thomas Steven Loth
WE722713	Deed (Present Owner)	22 10 2010	Scott and Pichelli Limited, as trustees in Bankruptcy	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0007 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 15:49:28

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: LT 21 BLK F PL 119; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0078

PIN CREATION DATE:
2008/03/17

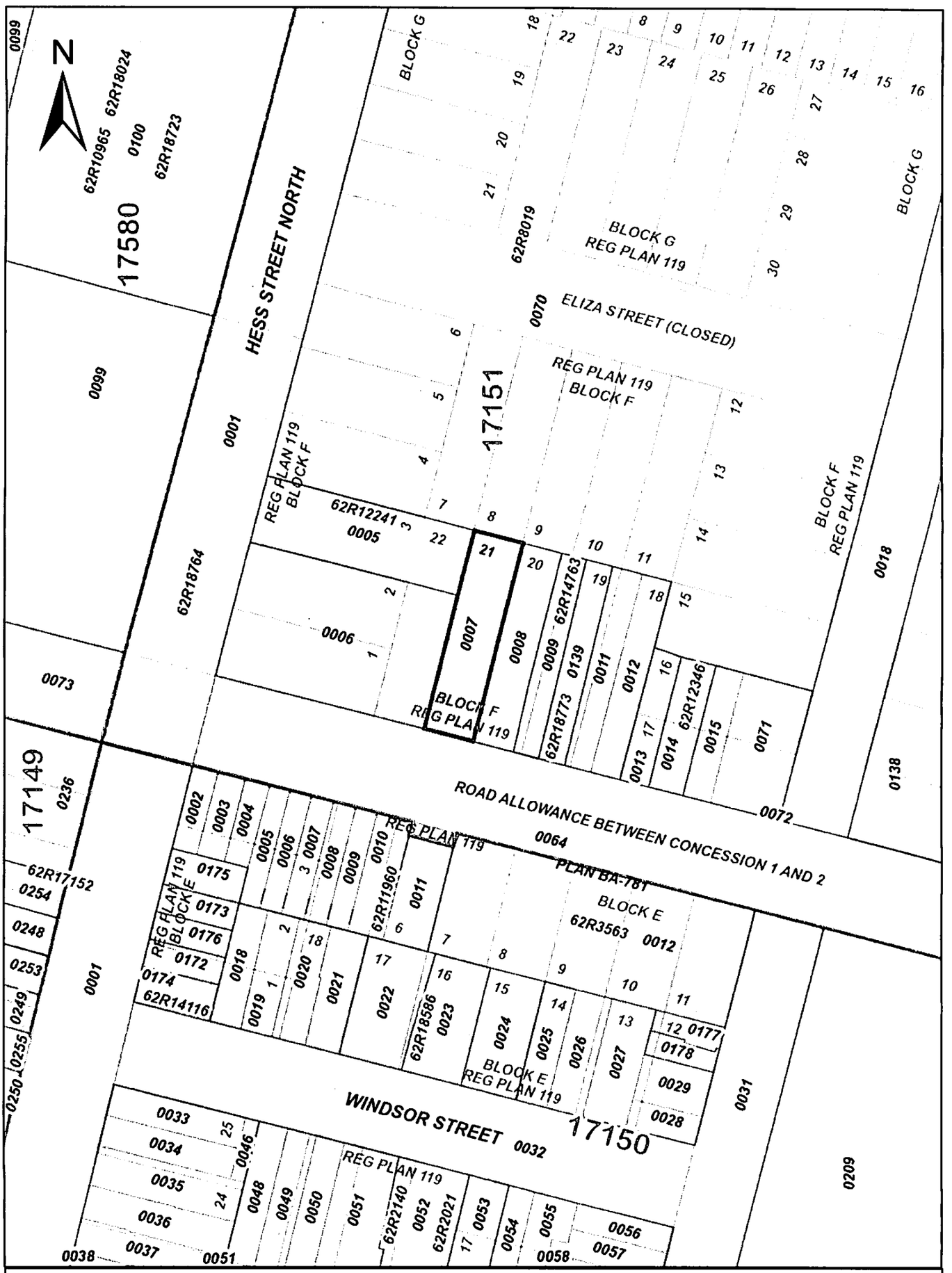
OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
VM145926	1993/02/09	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	LOTH, THOMAS STEVEN	
VM252146	2001/10/31	CHARGE		*** DELETED AGAINST THIS PROPERTY *** LOTH, THOMAS STEVEN	YOUNG, ADAM YOUNG, MARGARET	
VM252147	2001/10/31	ASSIGNMENT GENERAL		*** DELETED AGAINST THIS PROPERTY *** LOTH, THOMAS STEVEN	YOUNG, ADAM YOUNG, MARGARET	
REMARKS: VM252146, RENTS						
VM271559	2007/01/22	AGREEMENT		*** DELETED AGAINST THIS PROPERTY *** LOTH, THOMAS STEVEN	YOUNG, ADAM YOUNG, MARGARET	
REMARKS: VM252146						
VM271717	2007/02/05	CHARGE		*** DELETED AGAINST THIS PROPERTY *** LOTH, THOMAS STEVEN	VERTICCHIO, DINO	

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
					VERTICCHIO, LINDA	
WE606857	2009/03/04	APL OF SURV-CHRG		*** COMPLETELY DELETED ***		
				YOUNG, ADAM	YOUNG, MARGARET	
	REMARKS: VM252146.					
WE616081	2009/04/28	LIEN		*** COMPLETELY DELETED ***		
				HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATIONAL REVENUE		
	REMARKS: RE: EXCISE TAX ACT					
WE668724	2010/01/25	LIEN		*** COMPLETELY DELETED ***		
				HER MAJESTY THE QUEEN IN RIGHT OF ONTARIO AS REPRESENTED BY THE MINISTER OF REVENUE		
WE674129	2010/02/25	DISCHARGE INTEREST		*** COMPLETELY DELETED ***		
				HER MAJESTY THE QUEEN IN RIGHT OF ONTARIO AS REPRESENTED BY THE MINISTER OF REVENUE		
	REMARKS: WE668724.					
WE702650	2010/07/12	APL TR BK-OWNER		*** COMPLETELY DELETED ***		
				LOTH, THOMAS STEVEN	SCOTT AND PICHELLI LIMITED	
WE722325	2010/10/21	APL DEL EXECUTION		*** COMPLETELY DELETED ***		
				SCOTT AND PICHELLI LIMITED		
	REMARKS: DELETE S/T EXEC 08-0000137					
WE722713	2010/10/22	TR TRUST BANKRPTCY	$305,000	SCOTT AND PICHELLI LIMITED	CITY OF HAMILTON	C
	REMARKS: PLANNING ACT STATEMENTS					
WE722781	2010/10/22	DISCH OF CHARGE		*** COMPLETELY DELETED ***		
				VERTICCHIO, DINO		
				VERTICCHIO, LINDA		
	REMARKS: VM271717.					
WE722786	2010/10/22	DISCH OF CHARGE		*** COMPLETELY DELETED ***		
				YOUNG, MARGARET		
	REMARKS: VM252146.					
WE725506	2010/11/05	DISCHARGE INTEREST		*** COMPLETELY DELETED ***		
				HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATIONAL REVENUE		
	REMARKS: WE616081.					



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PRINTED ON 22 NOV, 2017 AT 13:54:10
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SCALE
0 25 Meters

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

PROPERTY INDEX MAP

WENTWORTH(No. 62)

THIS IS NOT A PLAN OF SURVEY

Ontario

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 198 Barton Street West, Hamilton
Legal Description: lots 1-2, Pt lot 22 Block F Plan 119 as in VM221252

PIN #: 17151-0006(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	24 03 1904	Crown	The Hamilton Bridge Works Co. Ltd
52491	Tax Deed	05 10 1940	Treasurer City of Hamilton	The Corporation of The City of Hamilton
60684	Deed	16 09 1941	The Corporation of The City of Hamilton	Catherine WARNKE
60685	Deed	16 09 1941	Catharine Warnke	Frank BAKER
22652	Deed	11 09 1957	Frank Baker - estate	Lorraine FISHER
204227HL	Deed	05 07 1962	Lorraine Smith (Fisher)	William MERCANTI
280070HL	Deed	15 07 1964	William Mercanti	Montgomery Superstations Limited
284106HL	Lease	21 08 1964	Montgomery Superstations Ltd.	Supertest Petroleum Limited
307390HL	Lease	01 04 1965	Montgomery Superstations Ltd.	BP Canada Limited

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 198 Barton Street West, Hamilton
Legal Description: lots 1-2, Pt lot 22 Block F Plan 119 as in VM221252

PIN #: 17151-0006(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
354164AB	Lease	18 10 1974	Montgomery Superstations Ltd.	BP Oil Limited
89224CD	Lease	16 05 1978	Montgomery Superstations Ltd.	BP Oil Limited
237354CD	Lease	22 02 1983	Montgomery Superstations Ltd.	BP Oil Limited
344725CD	Deed	28 02 1986	Montgomery Superstations Ltd.	Sunys Petroleum Inc.
VM221252	Deed	15 11 1996	Sunys Petroleum Inc.	1145199 Ontario Inc.
VM239736	Deed	15 08 1997	1145199 Ontario Inc.	Sandhu Gas & Go Inc.
WE263424	Deed	20 01 2005	Sandhu Gas & Go Inc.	DK'S Gas Bar Inc.
WE698108	Deed (Present Owner)	24 06 2010	DK'S Gas Bar Inc.	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0006 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 15:48:42

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: LT 1-2 BLK F PL 119; PT LT 22 BLK F PL 119 AS IN VM221252; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0077

PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
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** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
VM238436	1997/04/16	CHARGE		*** DELETED AGAINST THIS PROPERTY *** 1145199 ONTARIO INC.	BANK OF MONTREAL	
REMARKS: DELETED ON 2010/03/31 BY JLALONDE						
VM241549	1998/03/12	DISCH OF CHARGE		*** DELETED AGAINST THIS PROPERTY *** BANK OF MONTREAL		
REMARKS: RE: VM238436, DELETED ON 2010/03/31 BY JLALONDE						
VM258660	2003/11/05	CHARGE		*** DELETED AGAINST THIS PROPERTY *** SANDHU GAS + GO INC.	CIBC TRUST CORPORATION TURTEL, MIKE TURTEL, MARSHA	
VM258661	2003/11/05	ASSIGNMENT GENERAL		*** DELETED AGAINST THIS PROPERTY *** SANDHU GAS & GO INC.	TURTEL, MIKE TURTEL, MARSHA	
REMARKS: VM258660						
VM258662	2003/11/05	CHARGE		*** DELETED AGAINST THIS PROPERTY ***		

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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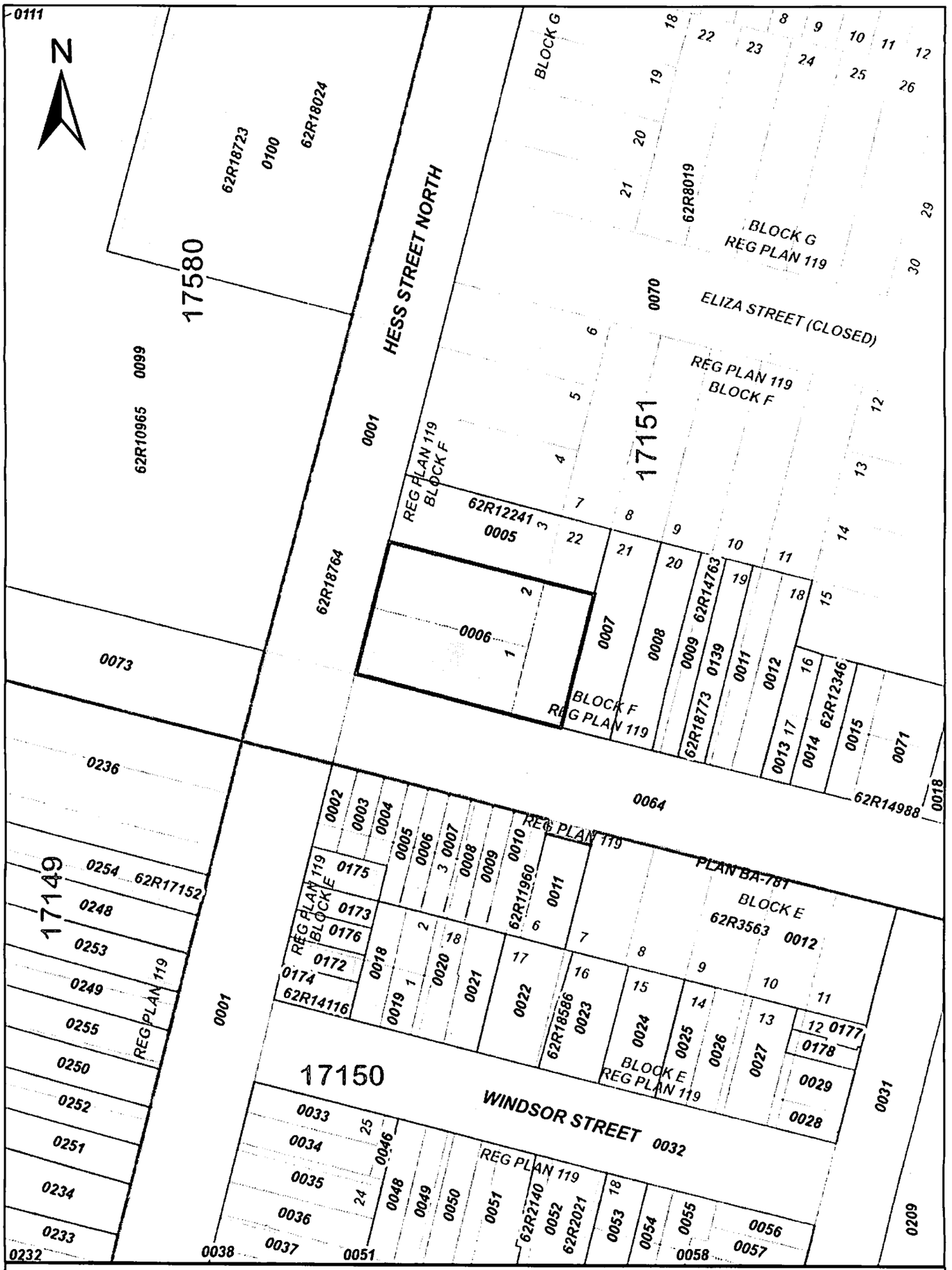
REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				SANDHU GAS + GO INC.	SANDHU, BALRAJ SINGH	
VM263424	2005/01/20	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***		
				SANDHU GAS + GO INC.	DK'S GAS BAR INC.	
WE697357	2010/06/22	DISCH OF CHARGE		*** COMPLETELY DELETED ***		
				SANDHU, BALRAJ SINGH		
	REMARKS: VM258662.					
WE698108	2010/06/24	TRANSFER	$1,650,000	DK'S GAS BAR INC.	CITY OF HAMILTON	C
	REMARKS: PLANNING ACT STATEMENTS					
WE699349	2010/06/28	DISCH OF CHARGE		*** COMPLETELY DELETED ***		
				CIBC TRUST CORPORATION		
				TURTEL, MIKE		
				TURTEL, MARSHA		
	REMARKS: VM258660.					



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SCALE

0 25 Meters

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

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PROPERTY INDEX MAP

WENTWORTH(No. 62)

THIS IS NOT A PLAN OF SURVEY

Ontario

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 128 Barton Street West, Hamilton
Legal Description: lots 1-31, Block H Plan 119

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0138(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	24 03 1904	Crown	The Hamilton Bridge Works Company Limited
305161	Deed	16 04 1928	The Hamilton Bridge Works Company Limited	Hamilton Bridge Company Limited
240041NS	Deed	09 02 1954	Hamilton Bridge Company Ltd.	Bridge & Tank Company of Canada Limited
153708AB	Deed	26 11 1969	Bridge & Tank Company of Canada Limited	Ian DOUGLAS, in trust
161862CD	Deed	25 02 1970	Ian Douglas, in trust	Rheem Canada Inc.
302502CD	Deed	10 01 1985	Rheem Canada Inc.	Rheem Canada (1984) Inc.
270567VM	Name Change	27 10 2006	Rheem Canada (1984) Inc.	Rheem Canada Ltd.
280205VM	Deed (Present Owner)	30 11 2009	Rheem Canada Ltd.	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0138 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 15:54:30

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: LOTS 1 TO 31 INCLUSIVE AND AN UNNUMBERED LOT AT THE SOUTHWEST CORNER OF STUART AND TIFFANY STREETS, ALL IN BLOCK H, BEING THE WHOLE OF THE BLOCK BOUNDED BY STUART, TIFFANY, BARTON AND CAROLINE STREETS, PLAN 119; CITY OF HAMILTON

PROPERTY REMARKS: CONVERTED TO LAND TITLES 2009/12/01.

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0019

PIN CREATION DATE:
2009/12/01

OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2009/12/01 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
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** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2009/12/01 **						
VM280205	2009/11/30	TRANSFER	$650,000	RHEEM CANADA LTD.	CITY OF HAMILTON	C
	REMARKS: PLANNING ACT STATEMENTS					
62R18764	2010/06/08	PLAN REFERENCE				C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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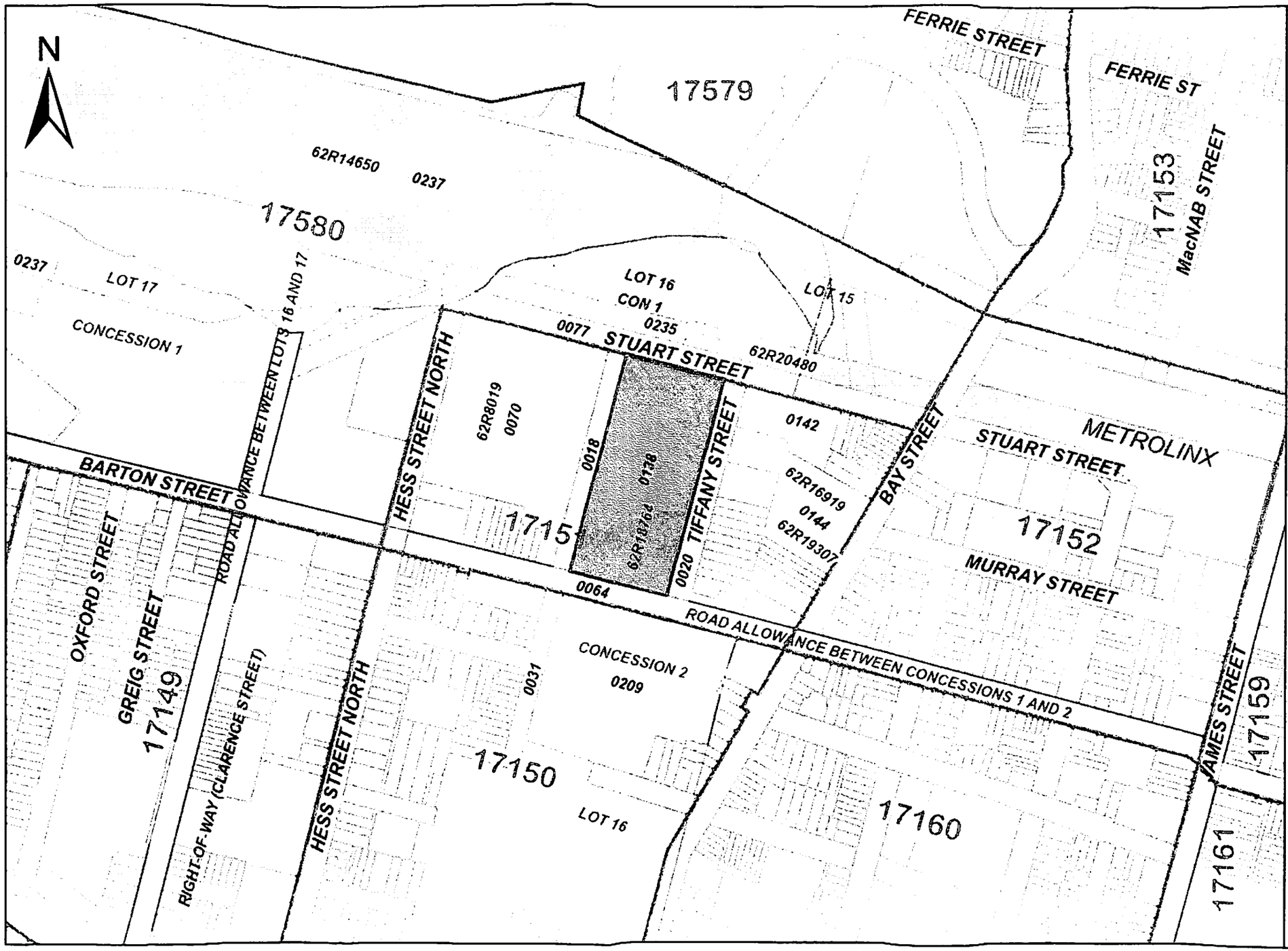

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SCALE

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PROPERTY INDEX MAP

WENTWORTH(No. 62)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	*0449*
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

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REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 112 Barton Street W., Hamilton
Legal Description: Part lots 13 & 14, Block I Plan 119 as in AB186982

PIN #: 17151-0063(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
1151	Deed	21 10 1806	Caleb Reynolds	John LOCKWOOD
1479	Deed	24 09 1808	John Lockwood	James BABY
171	Deed	09 09 1824	James Baby	Richard BEASLEY
172	Deed	09 09 1824	Richard Beasley	Hon. James CROOKS
257	Deed	18 07 1831	Hon. James Crooks - estate	Allan Napier MACNAB
2098	Deed	19 05 1835	Allan Napier MacNab	John STRACHAN
333	Deed	17 06 1839	John Strachan	Allan Napier MACNAB
334	Deed	17 06 1839	Allan Napier MacNab	William LEE

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 112 Barton Street W., Hamilton
Legal Description: Part lots 13 & 14, Block I Plan 119 as in AB186982

PIN #: 17151-0063(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
40	Deed	11 04 1840	William Lee	John RADENHURST
697	Deed	10 03 1853	John Radenhurst	Edward HERBERT
725	Deed	15 06 1863	Edward Herbert	Frederick BRAY
724	Deed	25 10 1864	Frederick Bray	William GIBSON
73197	Deed	22 10 1901	William Gibson	Elizabeth SIMPSON
90444	Deed	02 06 1906	Elizabeth Simpson	Eliza MCDOWELL
95482	Deed	30 03 1907	Eliza McDowell	Joseph BEATTIE
196054HL	Tax Deed	19 04 1962	Treasurer City of Hamilton (estate of Joseph Beattie)	Malcon MALCONIAN
186982AB	Deed	09 11 1970	Malcon Malconian	Joseph VARGA
WE700591	Deed (Present Owner)	30 06 2010	Joseph Varga	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0063 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 15:53:14

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 13-14 BLK I PL 119 AS IN AB186982; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0128

PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
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** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
AB58915	1967/07/17	ASSIGNMENT GENERAL		*** COMPLETELY DELETED ***		
REMARKS: AGREET OF SALE						
AB186982	1970/11/09	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	VARGA, JOSEPH	
WE699767	2010/06/29	APL (GENERAL)		*** COMPLETELY DELETED *** VARGA, JOSEPH		
REMARKS: DELETE AB58915						
WE700591	2010/06/30	TRANSFER	$430,000	VARGA, JOSEPH	CITY OF HAMILTON	C
REMARKS: PLANNING ACT STATEMENTS						

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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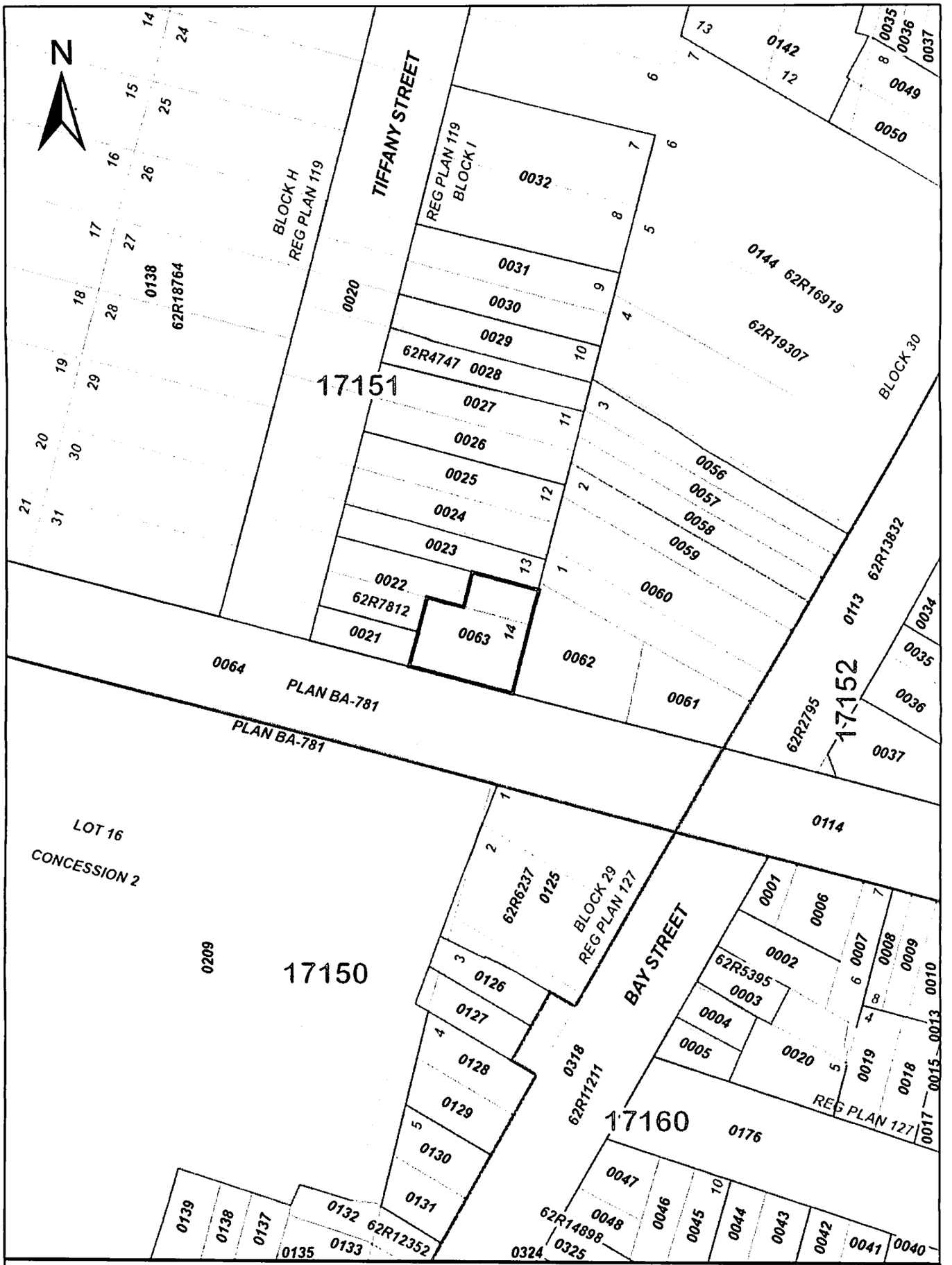

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PRINTED ON 22 NOV, 2017 AT 13:59:55
FOR D.B.

SCALE

0 25 Meters

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

NOTES

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PROPERTY INDEX MAP

WENTWORTH(No. 62)

THIS IS NOT A PLAN OF SURVEY

Ontario

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 4 Tiffany Street, Hamilton
Legal Description: Part lots 13-14 Block I Plan 119 desig. As Parts 3-8, 62R7812

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0022(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
510	Deed	27 04 1803	Caleb Reynolds	John Baptiste ROUSSEAU
16	Deed	30 07 1816	John B. Rousseau	James MILLS & Peter HESS
7	Deed	30 07 1816	James Mills	Peter HESS
2267	Deed	30 04 1835	Peter Hess	James Lorenzo WILLSON
352	Deed	02 04 1836	James Lorenzo Willson	Miles O'REILLY
350	Deed	19 04 1837	Miles O'Reilly	George TIFFANY
893	Deed	06 04 1840	George Tiffany	Peter HESS
1827	Deed	03 05 1868	Peter Hess - estate	George RYMAL

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 4 Tiffany Street, Hamilton
Legal Description: Part lots 13-14 Block I Plan 119 desig. As Parts 3-8, 62R7812

PIN #: 17151-0022(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
2378	Deed	15 07 1868	George Rymal	John BAUMBURGER
26922	Deed	14 11 1882	John Baumburger	William ZURICH
32218	Deed	30 03 1885	William Zurich	Charles LOWRY
49638	Deed	28 08 1891	Charles Lowry	Robert GIBSON
67782	Deed	16 05 1899	Robert Gibson	William GIBSON
73197	Deed	22 09 1901	William Gibson	Eliza SIMPSON
126716	Deed	21 11 1911	Eliza McDonell (Simpson)	Hannah BRODERICK
126717	Deed	21 11 1911	Hannah Broderick	Daniel SULLIVAN
130225	Deed	12 03 1912	Daniel Sullivan	Toronto Dwellings Limited

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 4 Tiffany Street, Hamilton
Legal Description: Part lots 13-14 Block I Plan 119 desig. As Parts 3-8, 62R7812

PIN #: 17151-0022(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
161683	Deed	19 11 1914	Toronto Dwellings Limited	Canadian Northern System Terminals Ltd.
54130NS	Deed	06 01 1941	Canadian Northern System Terminals Ltd.	Samuel SCIME
83127NS	Deed	02 12 1943	Samuel Scime	Ennio COLONNA & Florence COLONNA
97655NS	Deed	19 06 1945	Ennio & Florence Colonna	Joseph ORTO & Clara ORTO
122263	Deed	20 05 1947	Joseph & Clara Orto	William LABELLE & Emma LABELLE
103811	Deed	30 09 1959	William & Emma Labelle	Agnes SCHULGACH
117099	Deed	02 02 1960	Agnes Schulgach	Antanas TEVELIS Emilis BOGUSLOUSKAS
129316	Deed	09 06 1960	Antanas Tevelis Emilis Boguslouskas	Antanas TEVELIS
248028	Deed	18 09 1963	Antanas Tevelis	Pietro GENUA

Cont'd on page 4

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 4 Tiffany Street, Hamilton
Legal Description: Part lots 13-14 Block I Plan 119 desig. As Parts 3-8, 62R7812

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0022(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
345685CD	Deed	12 03 1986	Pietro Genua	Vlademara DONADELLO
238058VM	Mortgage	10 03 1997	Vlademara Donadello	Laurentian Trust of Canada Inc. (Mortgagee)
242600VM	Deed (Power of Sale)	17 07 1996	Laurentian Trust of Canada Inc. (Vlademara Donadello defaulted in Mtg 238058VM)	Tonshang Properties Inc.
242601VM	Mortgage	17 07 1996	Tonshang Properties Inc.	Maple Trust Company of Canada (Mortgagee)
252423VM	Deed (Power of Sale)	04 12 2001	Maple Trust Company of Canada (Tonshang Properties Inc defaulted in Mtg 242601VM)	Ancaster Mechanical 1992 Ltd
WE698763	Deed (Present Owner)	25 06 2010	Ancaster Mechanical 1992 Ltd	City of Hamilton

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 13-14 BLK I PL 119 PT 3, 4, 5, 6, 7, 8 62R7812; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0091

PIN CREATION DATE:
2008/03/17

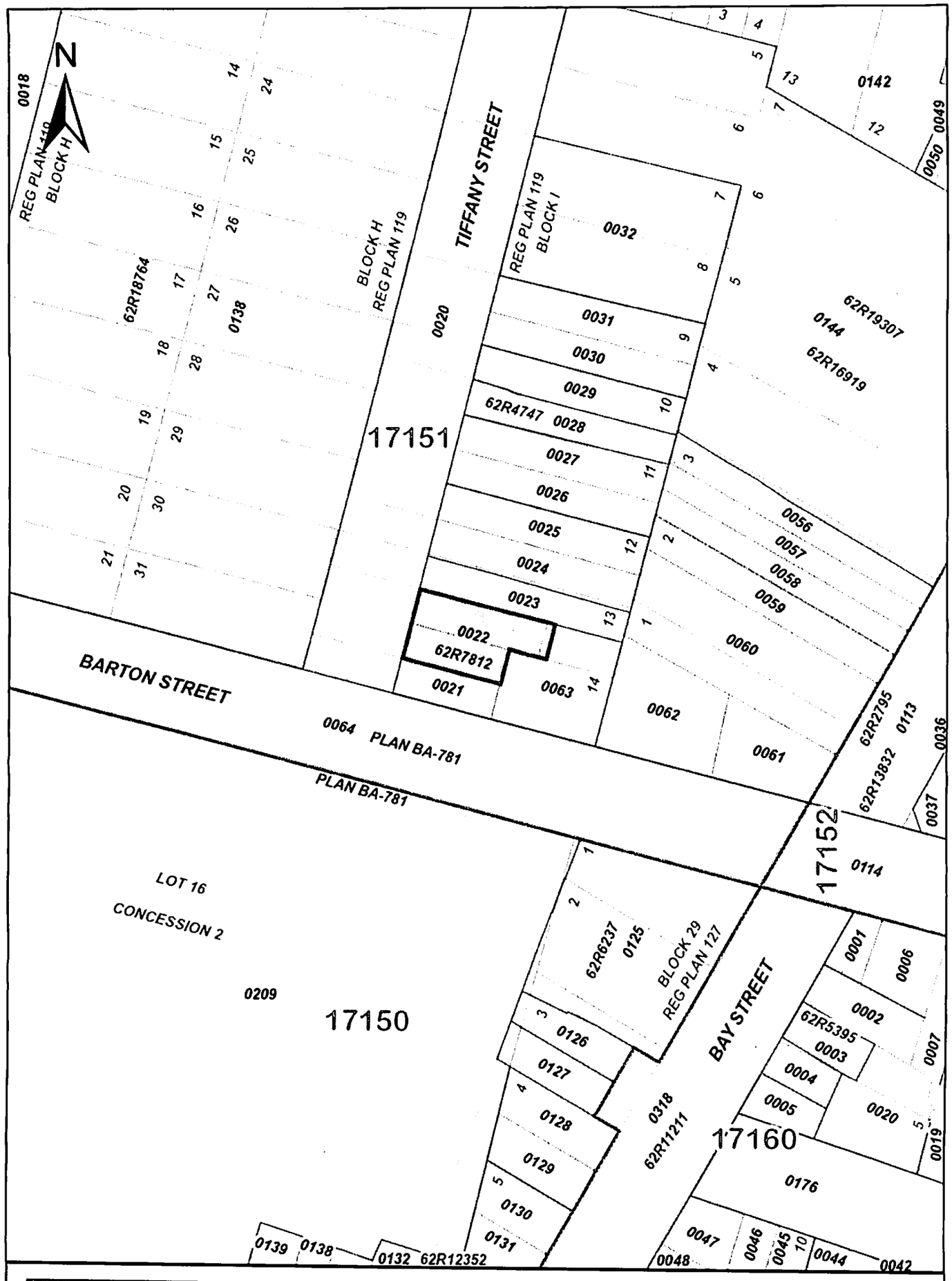
OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
62R7812	1985/09/11	PLAN REFERENCE				C
VM252423	2001/12/04	TRANS POWER SALE		*** DELETED AGAINST THIS PROPERTY *** MAPLE TRUST COMPANY KELLY, ROSEMONDE	ANCASTER MECHANICAL 1992 LTD	
REMARKS: VM242601						
VM252424	2001/12/04	CHARGE		*** DELETED AGAINST THIS PROPERTY *** ANCASTER MECHANICAL 1992 LTD	MAPLE TRUST COMPANY KELLY, ROSEMONDE	
VM255861	2003/01/17	CHARGE		*** DELETED AGAINST THIS PROPERTY *** ANCASTER MECHANICAL 1992 LTD	FENNELL PROPERTY MANAGEMENT LTD.	
VM261708	2004/08/19	LIEN		*** DELETED AGAINST THIS PROPERTY *** HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATIONAL REVENUE HAMILTON TAX SERVICES OFFICE		

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
WE627561	2009/06/25	DISCHARGE INTEREST		*** COMPLETELY DELETED *** HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATIONAL REVENUE		
	REMARKS: VM261708.					
WE697081	2010/06/21	DISCH OF CHARGE		*** COMPLETELY DELETED *** FENNELL PROPERTY MANAGEMENT LTD.		
	REMARKS: VM255861.					
WE698667	2010/06/25	APL DEL EXECUTION		*** COMPLETELY DELETED *** ANCASTER MECHANICAL 1992 LTD.		
WE698763	2010/06/25	TRANSFER	$295,000	ANCASTER MECHANICAL 1992 LTD.	CITY OF HAMILTON	C
	REMARKS: PLANNING ACT STATEMENTS					
WE700023	2010/06/30	DISCH OF CHARGE		*** COMPLETELY DELETED *** MAPLE TRUST COMPANY KELLY, ROSEMONDE		
	REMARKS: VM252424.					



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SCALE
0 25
Meters

PROPERTY INDEX MAP
WENTWORTH(No. 62)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

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CHAIN OF TITLE REPORT

Project #:	TB171019	**Searched at:**	Hamilton
Address:	10 Tiffany Street, Hamilton	**LRO #:**	62
Legal Description:	Part lots 12 & 13, Block I Plan 119 as in CD444465		
PIN #:	17151-0024(LT)		

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
1151	Deed	21 10 1806	Caleb Reynolds	John LOCKWOOD
1479	Deed	24 09 1808	John Lockwood	James BABY
171	Deed	09 09 1824	James Baby	Richard BEASLEY
172	Deed	09 09 1824	Richard Beasley	Hon. James CROOKS
257	Deed	18 07 1831	Hon. James Crooks - estate	Allan Napier MACNAB
2098	Deed	19 05 1835	Allan Napier MacNab	John STRACHAN
333	Deed	17 06 1839	John Strachan	Allan Napier MACNAB
334	Deed	17 06 1839	Allan Napier MacNab	William LEE

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 10 Tiffany Street, Hamilton
Legal Description: Part lots 12 & 13, Block I Plan 119 as in CD444465

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0024(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
40	Deed	11 04 1840	William Lee	John RADENHURST
697	Deed	10 03 1853	John Radenhurst	Edward HERBERT
725	Deed	15 06 1863	Edward Herbert	Frederick BRAY
724	Deed	25 10 1864	Frederick Bray	William GIBSON
73197	Deed	22 10 1901	William Gibson	Elizabeth SIMPSON
90443	Deed	02 06 1906	Elizabeth Simpson	Danford EVANS
2177NS	Deed	15 04 1931	Danford Evans - estate	Salvatore RESTIVO
57666NS	Deed	04 06 1941	Salvatore Restivo	Florence SCIME
69919NS	Deed	15 08 1942	Florence Scime	Salvatore MORREALE

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 10 Tiffany Street, Hamilton
Legal Description: Part lots 12 & 13, Block I Plan 119 as in CD444465

PIN #: 17151-0024(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
221593AB	Deed	24 09 1971	Salvatore Morreale - estate	Joseph MORREALE & Steve MORREALE
263930CD	Deed	14 11 1983	Joseph & Steve Morreale	Joseph VENDITTI & Angelo ITALIANO
294050CD	Deed	28 09 1984	Joseph Venditti	Angelo Joseph ITALIANO
444465CD	Deed	29 01 1988	Angelo Joseph Italiano	John Carlos BARBOSA & Mary-Jane BARBOSA
VM254141	Deed	28 06 2002	John Carlos Barbosa Mary-Jane Barbosa	Leo SIROKY
VM266935	Deed	02 12 2005	Leo Siroky	Simone TUENSCHEL & Elizabeth TUENSCHEL
VM272876	Deed	30 05 2007	Simone & Elizabeth Tuenschel	Duncan Floyd Michael BISSONETTE
VM272877	Mortgage	30 05 2007	Duncan F.M. Bissonette	National Bank of Canada
WE638364	Deed	14 08 2009	National Bank of Canada	Mark ACCARDI
WE707944	Deed (Present Owner)	06 08 2010	Mark Accardi	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0024 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 15:59:02

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 12-13 BLK I PL 119 AS IN CD444465 EXCEPT THE EASEMENT THEREIN. CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0093

PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

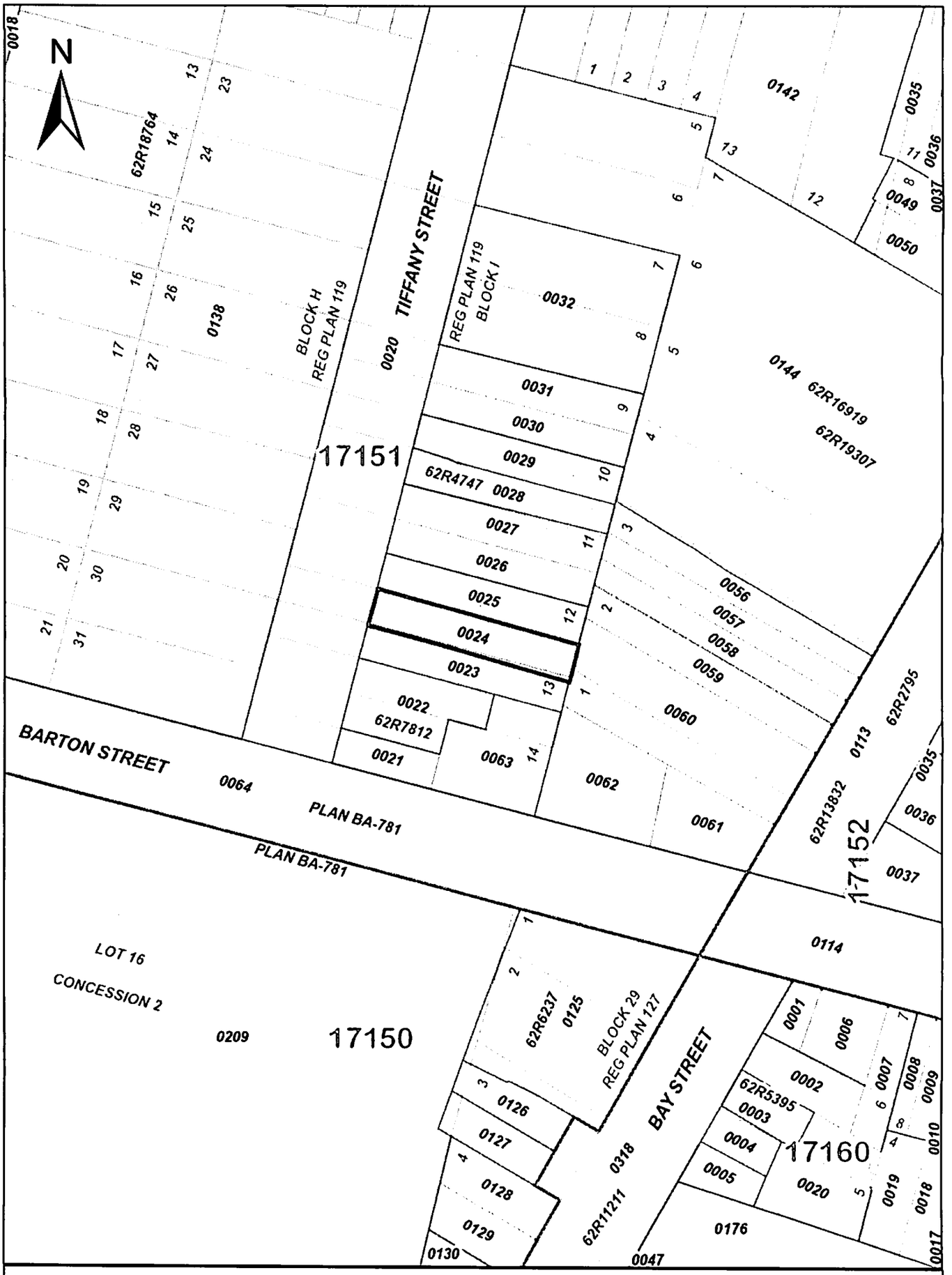
CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
62R7812	1985/09/11	PLAN REFERENCE				C
VM272876	2007/05/30	TRANSFER		*** DELETED AGAINST THIS PROPERTY *** TUENSCHEL, SIMONE TUENSCHEL, ELISABETH	BISSONETTE, DUNCAN FLOYD MICHAEL	
VM272877	2007/05/30	CHARGE		*** DELETED AGAINST THIS PROPERTY *** BISSONETTE, DUNCAN FLOYD MICHAEL	NATIONAL BANK OF CANADA	
WE638364	2009/08/14	TRANS POWER SALE		*** COMPLETELY DELETED *** NATIONAL BANK OF CANADA	ACCARDI, MARK	
REMARKS: VM272877.						
WE638365	2009/08/14	CHARGE		*** COMPLETELY DELETED *** ACCARDI, MARK	PIZZACALLA, JOHN SCILIPOTI, ANTHONY	
WE678326	2010/03/19	CHARGE		*** COMPLETELY DELETED *** ACCARDI, MARK	THE BANK OF NOVA SCOTIA	

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
WE678828	2010/03/22	DISCH OF CHARGE		*** COMPLETELY DELETED *** PIZZACALLA, JOHN SCILIPOTI, ANTHONY		
	REMARKS: WE638365.					
WE707919	2010/08/06	APL (GENERAL)		*** COMPLETELY DELETED *** ACCARDI, MARK		
	REMARKS: DELETING S/T INTEREST IN VM272876.					
WE707944	2010/08/06	TRANSFER	$152,000	ACCARDI, MARK	CITY OF HAMILTON	C
	REMARKS: PLANNING ACT STATEMENTS					
WE792449	2011/10/21	DISCH OF CHARGE		*** COMPLETELY DELETED *** THE BANK OF NOVA SCOTIA		
	REMARKS: WE678326.					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



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SCALE

0 25 Meters

PROPERTY INDEX MAP

WENTWORTH(No. 62)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	------
EASEMENT	- - - -

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

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REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 16 Tiffany Street, Hamilton
Legal Description: Part lots 10-11, Block I Plan 119 as in VM275209

PIN #: 17151-0027(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
1151	Deed	21 10 1806	Caleb Reynolds	John LOCKWOOD
1479	Deed	24 09 1808	John Lockwood	James BABY
171	Deed	09 09 1824	James Baby	Richard BEASLEY
172	Deed	09 09 1824	Richard Beasley	Hon. James CROOKS
257	Deed	18 07 1831	Hon. James Crooks - estate	Allan Napier MACNAB
2098	Deed	19 05 1835	Allan Napier MacNab	John STRACHAN
333	Deed	17 06 1839	John Strachan	Allan Napier MACNAB
334	Deed	17 06 1839	Allan Napier MacNab	William LEE

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 16 Tiffany Street, Hamilton
Legal Description: Part lots 10-11, Block I Plan 119 as in VM275209

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0027(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
40	Deed	11 04 1840	William Lee	John RADENHURST
697	Deed	10 03 1853	John Radenhurst	Edward HERBERT
725	Deed	15 06 1863	Edward Herbert	Frederick BRAY
724	Deed	25 10 1864	Frederick Bray	William GIBSON
73197	Deed	22 10 1901	William Gibson	Elizabeth SIMPSON
90444	Deed	02 06 1906	Elizabeth Simpson	Eliza MCDOWELL
95483	Deed	30 03 1907	Eliza McDowell	Joseph BEATTIE
3738NS	Deed	11 06 1931	Joseph Beattie	Fortunato ITALIANO
245765AB	Deed	24 04 1972	Fortunato Italiano	Philip ITALIANO & Victoria ITALIANO

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 16 Tiffany Street, Hamilton
Legal Description: Part lots 10-11, Block I Plan 119 as in VM275209

PIN #: 17151-0027(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
VM118649	Deed	01 05 1992	Philip & Victoria Italiano	James Fortunato ITALIANO
VM275209	Deed	28 12 2007	James Fortunato Italiano	Jennifer Lynne NOONAN Paul Timothy ROBERTS
WE696630	Deed **(Present Owner)**	18 06 2010	Jennifer Lynne Noonan Paul Timothy Roberts	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0027 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 15:59:17

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 10-11 BLK I PL 119 AS IN VM275209; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0096

PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
VM205311	1995/02/23	AGREEMENT			THE CORPORATION OF THE CITY OF HAMILTON	C
	REMARKS: VEHICLE APPROACH RAMP					
VM242070	1998/05/15	CHARGE		*** DELETED AGAINST THIS PROPERTY *** ITALIANO, JAMES FORTUNATO	CIBC MORTGAGES INC.	
VM275209	2007/12/28	TRANSFER		*** DELETED AGAINST THIS PROPERTY *** ITALIANO, JAMES FORTUNATO	NOONAN, JENNIFER LYNNE ROBERTS, PAUL TIMOTHY	
	REMARKS: RE: PLANNING ACT STATEMENTS					
VM275210	2007/12/28	CHARGE		*** DELETED AGAINST THIS PROPERTY *** NOONAN, JENNIFER LYNNE ROBERTS, PAUL TIMOTHY	FIRST NATIONAL FINANCIAL GP CORPORATION	
WE601503	2009/01/28	DISCH OF CHARGE		*** COMPLETELY DELETED *** CIBC MORTGAGES INC.		
	REMARKS: VM242070.					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
WE696630	2010/06/18	TRANSFER	$190,500	NOONAN, JENNIFER LYNNE ROBERTS, PAUL TIMOTHY	CITY OF HAMILTON	C
	REMARKS: PLANNING ACT STATEMENTS					
WE716791	2010/09/22	DISCH OF CHARGE		*** COMPLETELY DELETED *** FIRST NATIONAL FINANCIAL GP CORPORATION		
	REMARKS: VM275210.					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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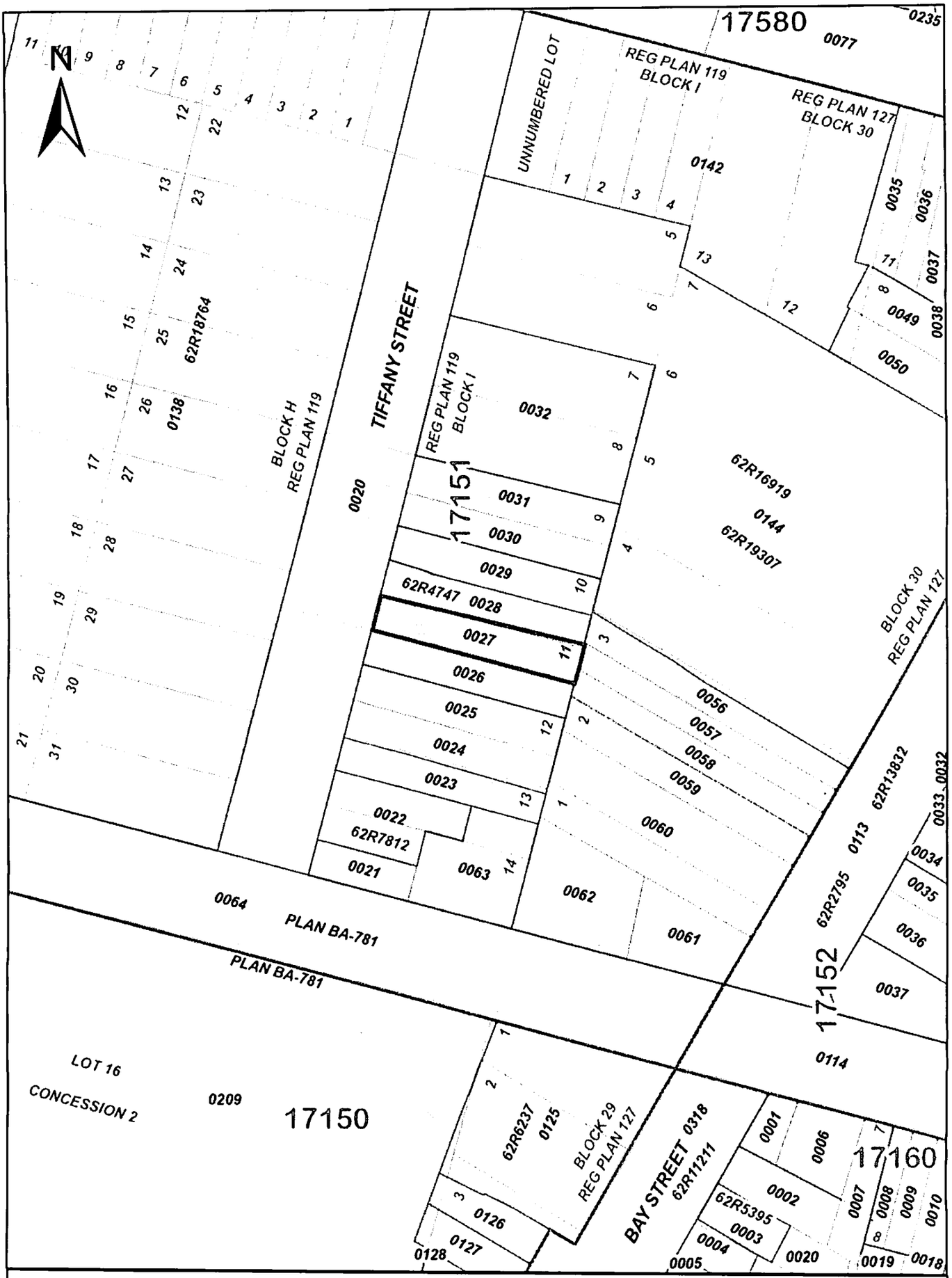

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PROPERTY INDEX MAP
WENTWORTH(No. 62)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

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REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 22 Tiffany Street, Hamilton
Legal Description: Part lot 10, Block I Plan 119 as Parts 1-4, 62R4747

PIN #: 17151-0028(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
510	Deed	27 04 1803	Caleb Reynolds	John ROUSSEAU
16	Deed	30 07 1816	John Rousseau	James MILLS
7	Deed	30 07 1816	James Mills	Peter HESS
2267	Deed	13 11 1835	Peter Hess	George TIFFANY
79147	Deed	31 12 1903	George Tiffany	William MCGEE
84917	Deed	09 05 1905	William McGee	John WILLIAMSON
97553	Deed	11 06 1907	John Williamson	Anthony MAROTTA
149393	Deed	25 07 1913	Anthony Marotta	Francesco MATTINA & Lombardo ROZA

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 22 Tiffany Street, Hamilton
Legal Description: Part lot 10, Block I Plan 119 as Parts 1-4, 62R4747

PIN #: 17151-0028(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
149394	Mortgage	25 07 1913	Francesco Mattina Lombardo Roza	Anthony MAROTTA (Mortgagee)
283360	Assigns Mortgage #149394	29 01 1926	Anthony Marotta	Salvatore MATTINA
287905	Deed (Power of Sale)	09 07 1926	Salvatore Mattina (Francesco Mattina & Lombardo Roza defaulted in 149394)	Romolo BACUCHI
93075HL	Deed	26 06 1959	Romolo Bacuchi	Giuseppe CACIOPPO
121601AB	Deed	17 02 1969	Giuseppe Cacioppo	Carmela SPANO
125409AB	Deed	26 03 1969	Carmela Spano	Stanley SIMPSON
241353AB	Deed	02 03 1972	Stanley Spano	Robert BAXTER
312379AB	Deed	12 10 1973	Robert Baxter	Tonoga Limited
5714CD	Deed	12 03 1976	Tonoga Limited	Joseph MICULAN & Nicola GIANNINI

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 22 Tiffany Street, Hamilton
Legal Description: Part lot 10, Block I Plan 119 as Parts 1-4, 62R4747

PIN #: 17151-0028(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
18348CD	Deed	15 07 1976	Joseph Miculan & Nicola Giannini	Artiste STEWART & Eulalia Stewart
123457CD	Deed (Present Owner)	30 04 1979	Artiste Stewart & Eulalia Stewart	**The Corporation of The City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0028 (LT)

PREPARED FOR Bertucci1
ON 2017/11/17 AT 15:59:35

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 10 BLK I PL 119 PART 1, 2, 3 & 4 62R4747, S/T CD18348, T/W CD123457; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0097

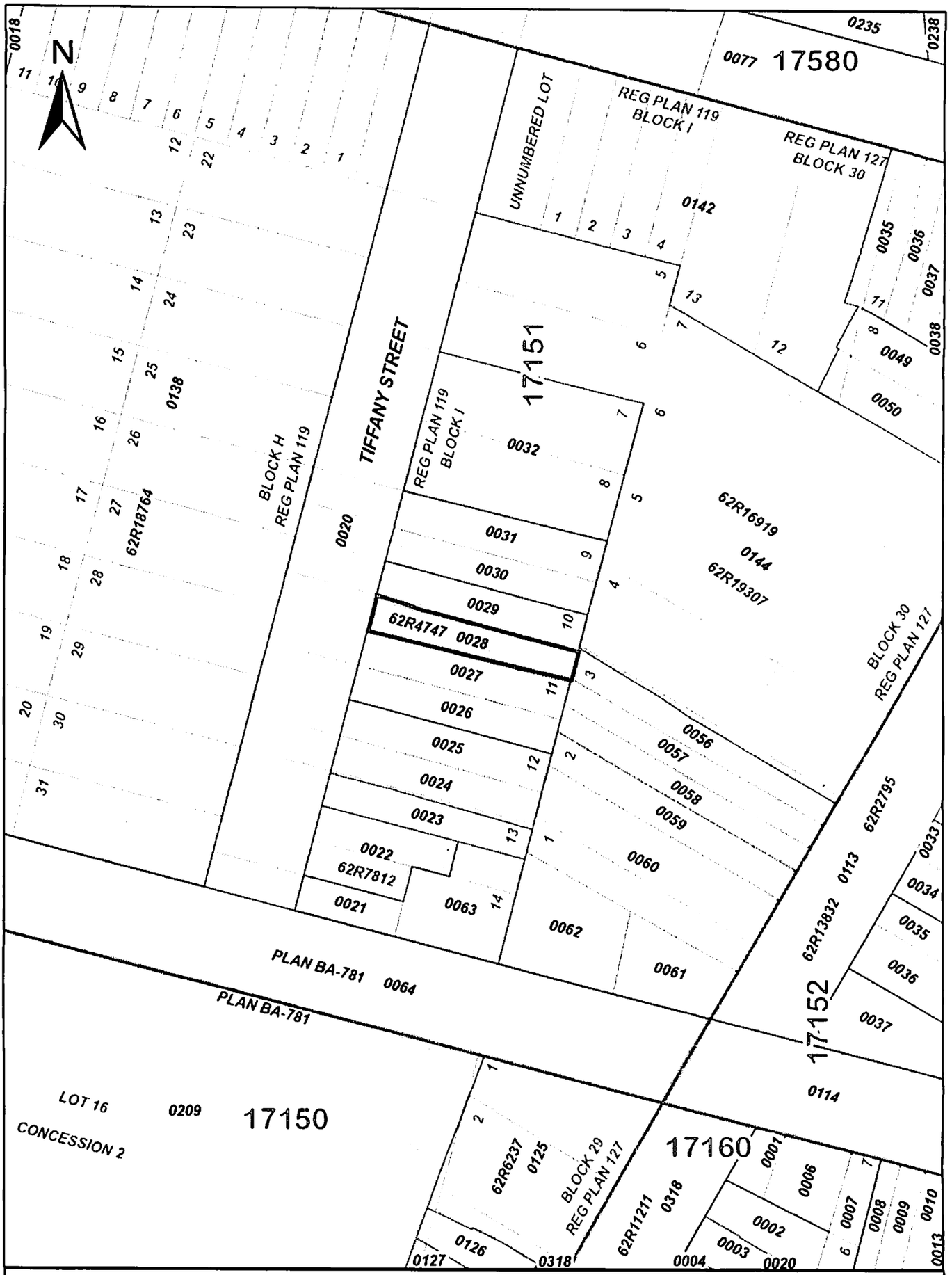
PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
THE CORPORATION OF THE CITY OF HAMILTON

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
62R4747	1979/04/19	PLAN REFERENCE				C
CD123457	1979/04/30	TRANSFER	$1		THE CORPORATION OF THE CITY OF HAMILTON	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



ServiceOntario

PRINTED ON 22 NOV, 2017 AT 13:47:18
FOR D.B.

SCALE
0 25 Meters

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

PROPERTY INDEX MAP

WENTWORTH(No. 62)

THIS IS NOT A PLAN OF SURVEY

Ontario

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 26 Tiffany Street, Hamilton
Legal Description: Part lot 10, Block I Plan 119 as in VM200709

PIN #: 17151-0029(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
510	Deed	27 04 1803	Caleb Reynolds	John ROUSSEAU
16	Deed	30 07 1816	John Rousseau	James MILLS
7	Deed	30 07 1816	James Mills	Peter HESS
2267	Deed	13 11 1835	Peter Hess	George TIFFANY
79042	Deed	31 12 1903	George Tiffany	Frederick MARTIN
91757	Deed	24 08 1906	Frederick Martin	George LEONARD
98100	Deed	05 07 1907	George Leonard	John STROUD
116172	Deed	17 10 1910	John Stroud	John MURDOCK & Jessie MURDOCK

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #:	TB171019	**Searched at:**	Hamilton	
Address:	26 Tiffany Street, Hamilton	**LRO #:**	62	Page 2
Legal Description:	Part lot 10, Block I Plan 119 as in VM200709			
PIN #:	17151-0029(LT)			

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
143258	Deed	04 03 1913	John & Jessie Murdock	Alexander CASH
158690	Deed	03 07 1914	Alexander Cash	Morris CONSON
200420	Deed	25 09 1919	Morris Conson	Parsell WEEGAR & Ada WEEGAR
31938NS	Deed	12 01 1937	Parsell & Ada Weegar	Anthony CAPUTO
24382HL	Deed	27 09 1957	Anthony Caputo	Domenic RESTAGNO & Maria RESTAGNO
333281HL	Deed	01 11 1965	Domenic & Maria Restagno	Ralph DI PAOLO & Mary DI PAOLO
49143AB	Deed	28 04 1967	Ralph & Mary Di Paolo	Henry CURTIS
148556	Deed	15 03 1993	Henry Curtis	Trent Donald NAGEL
VM200709	Deed	09 12 1994	Trent Donald Nagel	Sandra MCINNES
WE694013	Deed (Present Owner)	04 06 2010	Sandra McInnes	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0029 (LT)

PREPARED FOR Bertuccil
ON 2018/01/10 AT 14:52:18

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 10 BLK I PL 119 AS IN VM200709, S/T VM200709, T/W AB49143; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0098

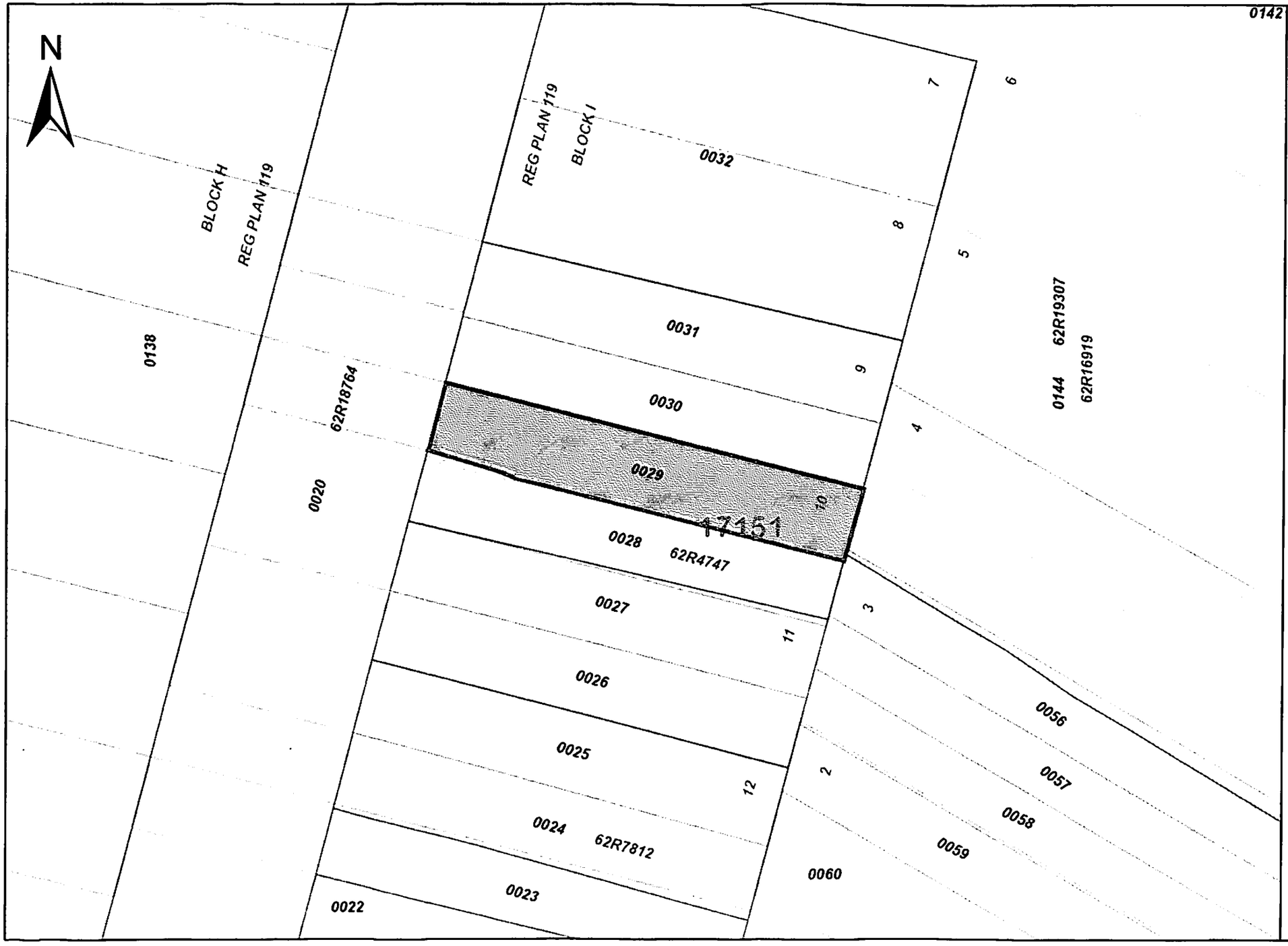
PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
VM200709	1994/12/09	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	MCINNES, SANDRA	
VM273612	2007/08/01	CHARGE		*** DELETED AGAINST THIS PROPERTY *** MCINNES, SANDRA	THE TORONTO-DOMINION BANK	
WE694013	2010/06/04	TRANSFER	$170,000	MCINNES, SANDRA	CITY OF HAMILTON	C
REMARKS: PLANNING ACT STATEMENTS						
WE702561	2010/07/12	DISCH OF CHARGE		*** COMPLETELY DELETED *** THE TORONTO-DOMINION BANK		
REMARKS: VM273612.						

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



ServiceOntario

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FOR BERTUCCI1

SCALE

0 20 meters

PROPERTY INDEX MAP

WENTWORTH(No. 62)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	—
EASEMENT	----

THIS IS NOT A PLAN OF SURVEY

NOTES

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Ontario

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 28 Tiffany Street, Hamilton
Legal Description: Part lot 9, Block I Plan 119 as in AB181953

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0030(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
510	Deed	27 04 1803	Caleb Reynolds	John ROUSSEAU
16	Deed	30 07 1816	John Rousseau	James MILLS
7	Deed	30 07 1816	James Mills	Peter HESS
2267	Deed	13 11 1835	Peter Hess	George TIFFANY
79147	Deed	31 12 1903	George Tiffany	William MCGEE
84917	Deed	09 05 1905	William McGee	John WILLIAMSON
97554	Deed	11 06 1907	John Williamson	George CRUMP & Clara CRUMP
109209	Deed	22 10 1909	George & Clara Crump	Ettie CARR

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 28 Tiffany Street, Hamilton
Legal Description: Part lot 9, Block I Plan 119 as in AB181953

PIN #: 17151-0030(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
223223	Deed	04 05 1921	Ettie Carr	Dominic FERRACIOLO
223224	Deed	04 05 1921	Dominic Ferraciolo	Giuseppe FIARILLO
75270NS	Deed	31 03 1943	Giuseppe Fiarillo	Bernard SHELIST
181495NS	Deed	13 01 1951	Bernard Shelist	James HOWARTH
181494NS	Deed	13 01 1951	James Howarth	Jonas PETRIATIS
181953AB	Deed	25 09 1970	Jonas Petriatis	James FALLETTA & Blanche FALLETTA
VM258692	Deed	07 11 2003	James & Blanche Falletta - estate	Robin ST. JEAN
VM258693	Deed	07 11 2003	Robin St. Jean	Adelino Macedo MONTEIRO Margarida Nunes MONTEIRO
WE733629	Deed **(Present Owner)**	15 12 2010	Adelino Macedo Monteiro Margarida Nunes Monteiro	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0030 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 15:59:52

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 9 BLK I PL 119 AS IN AB181953, T/W VM258693; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0099

PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
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** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
AB297534	1973/06/21	CHARGE		*** COMPLETELY DELETED ***	ASSOCIATES REALTY CREDIT LIMITED	
CD28255	1976/10/20	CHARGE		*** COMPLETELY DELETED ***	ASSOCIATES REALTY CREDIT LIMITED	
VM258693	2003/11/07	TRANSFER		*** DELETED AGAINST THIS PROPERTY *** ST. JEAN, ROBIN	MONTEIRO, MARGARIDA NUNES MONTEIRO, ADELINO MACEDO	
REMARKS: PLANNING ACT STATEMENTS						
VM258694	2003/11/07	CHARGE		*** DELETED AGAINST THIS PROPERTY *** MONTEIRO, MARGARIDA NUNES MONTEIRO, ADELINO MACEDO	THE BANK OF NOVA SCOTIA	
WE729500	2010/11/25	DISCH OF CHARGE		*** COMPLETELY DELETED *** CITICAPITAL COMMERCIAL CORPORATION		
REMARKS: AB297534.						

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
WE729980	2010/11/26	DISCH OF CHARGE		*** COMPLETELY DELETED *** CITICAPITAL COMMERCIAL CORPORATION		
	REMARKS: CD28255.					
WE733629	2010/12/15	TRANSFER	$201,500	MONTEIRO, ADELINO MACEDO MONTEIRO, MARGARIDA NUNES	CITY OF HAMILTON	C
	REMARKS: PLANNING ACT STATEMENTS					
WE738342	2011/01/14	DISCH OF CHARGE		*** COMPLETELY DELETED *** THE BANK OF NOVA SCOTIA		
	REMARKS: VM258694.					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
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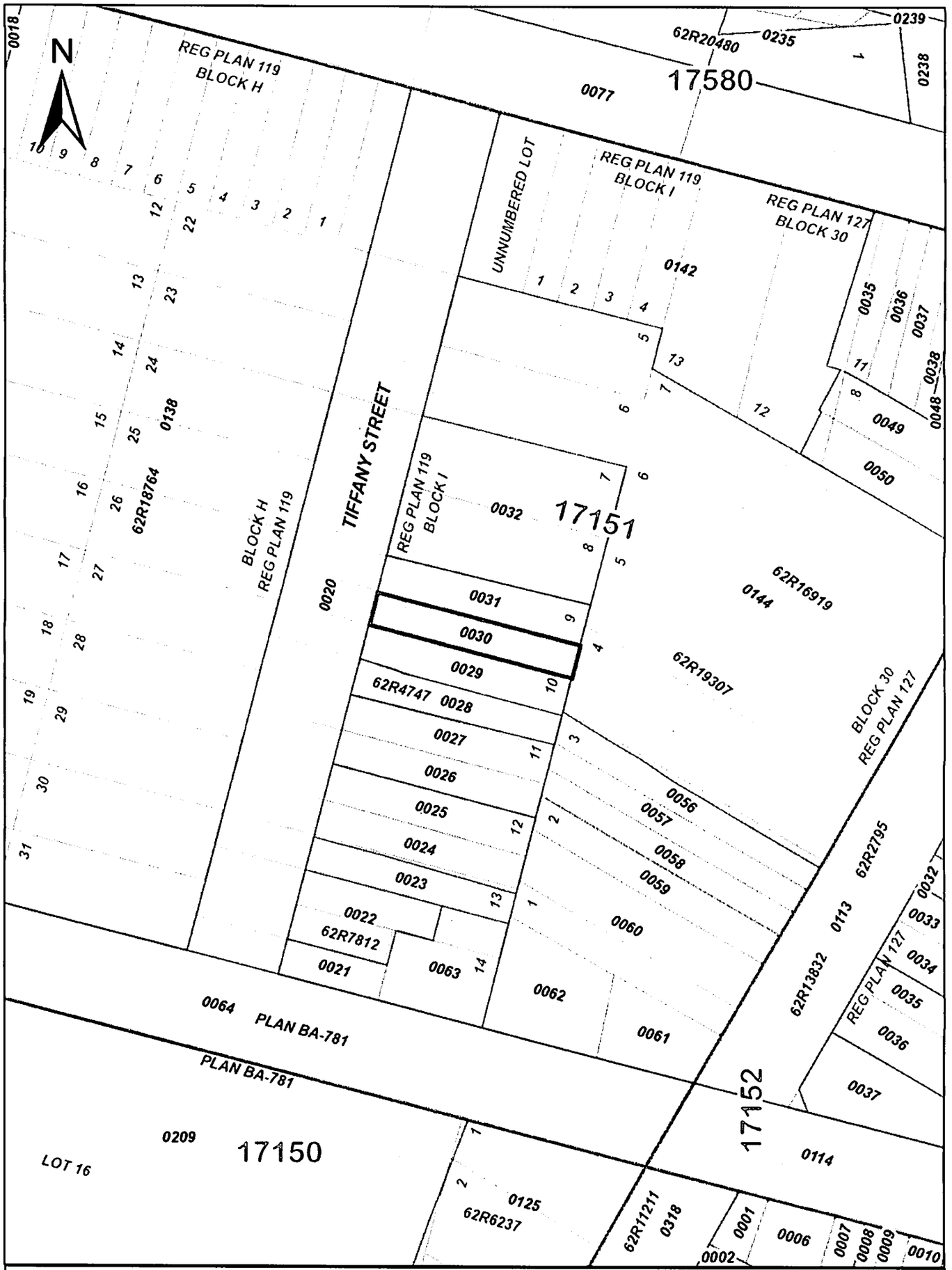

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PRINTED ON 22 NOV, 2017 AT 13:48:05
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SCALE
0 25 Meters

PROPERTY INDEX MAP
WENTWORTH(No. 62)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	———
EASEMENT	- - - -

THIS IS NOT A PLAN OF SURVEY

NOTES

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Ontario

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 30 Tiffany Street, Hamilton
Legal Description: Part lot 9, Block I Plan 119 as in VM172663

PIN #: 17151-0031(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
1151	Deed	21 10 1806	Caleb Reynolds	John LOCKWOOD
1479	Deed	24 09 1808	John Lockwood	James BABY
171	Deed	09 09 1824	James Baby	Richard BEASLEY
172	Deed	09 09 1824	Richard Beasley	Hon. James CROOKS
257	Deed	18 07 1831	Hon. James Crooks - estate	Allan Napier MACNAB
2098	Deed	19 05 1835	Allan Napier MacNab	John STRACHAN
333	Deed	17 06 1839	John Strachan	Allan Napier MACNAB
334	Deed	17 06 1839	Allan Napier MacNab	William LEE

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 30 Tiffany Street, Hamilton
Legal Description: Part lot 9, Block I Plan 119 as in VM172663

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0031(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
40	Deed	11 04 1840	William Lee	John RADENHURST
697	Deed	10 03 1853	John Radenhurst	Edward HERBERT
725	Deed	15 06 1863	Edward Herbert	Frederick BRAY
637	Deed	25 10 1864	Frederick Bray	John DILLON
71914	Deed	19 04 1901	John Dillon	John A. WILLIAMSON
70640HL	Deed	26 11 1958	John A. Williamson - estate	Superior Discount Limited
248316HL	Deed	20 09 1963	Superior Discount Limited	Vasil TERLUK
156450	Deed	18 06 1993	Vasil Terluk - estate	Galetti Bros. Construction
VM172663	Deed	22 12 1993	Galetti Bros. Construction	George Kenneth STOREY Deborah Eileen STOREY

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 30 Tiffany Street, Hamilton
Legal Description: Part lot 9, Block I Plan 119 as in VM172663

PIN #: 17151-0031(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
VM266024	Deed	16 09 2005	George Kenneth Storey Deborah Eileen Storey	Stephen Raymond WADE
WE712850	Deed **(Present Owner)**	31 08 2010	Stephen Raymond Wade	**City of Hamilton**

Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND REGISTRY OFFICE #62

17151-0031 (LT)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 16:00:06

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 9 BLK I PL 119 AS IN VM172663, S/T VM266024; CITY OF HAMILTON

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0100

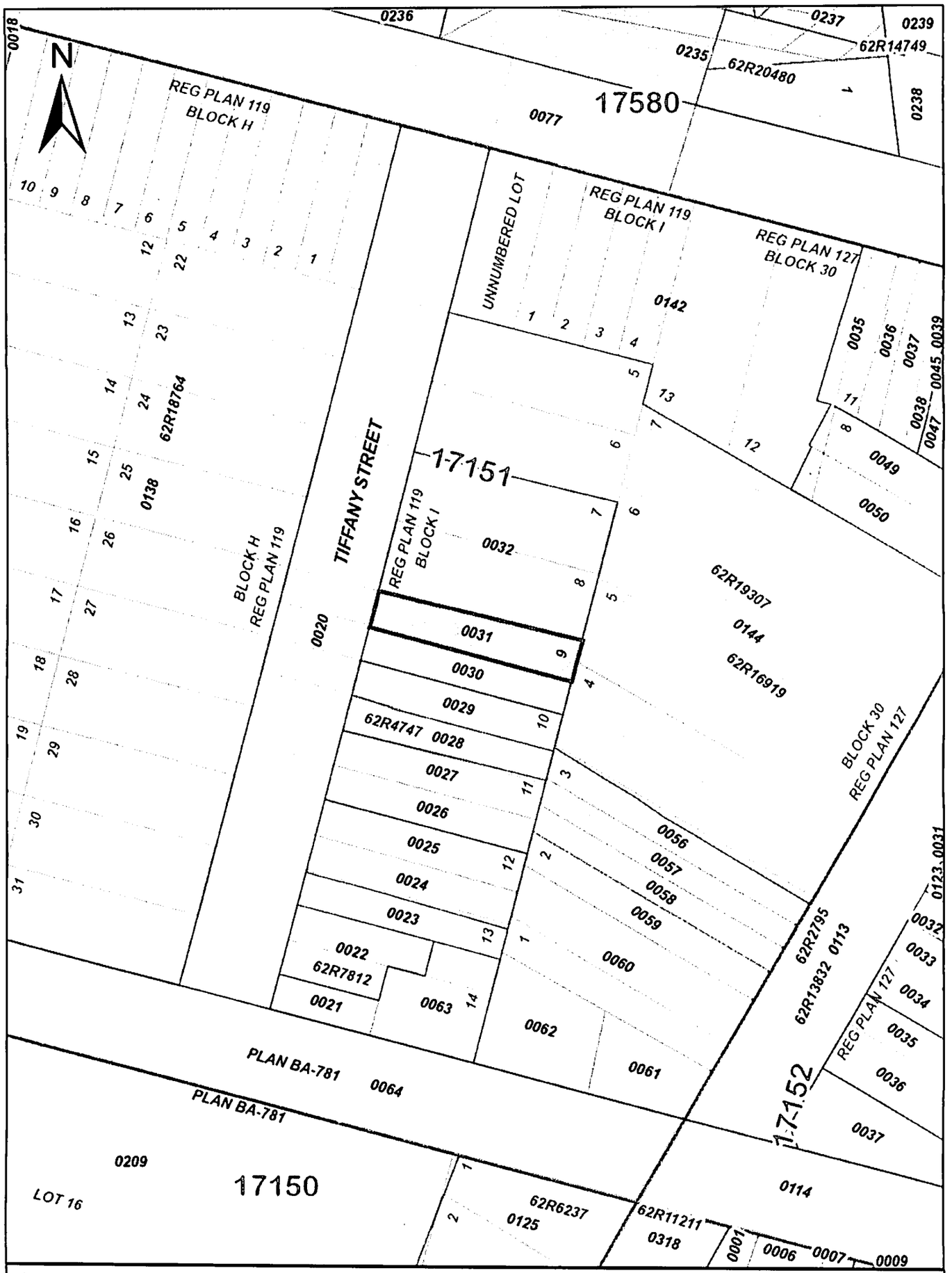
PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
CITY OF HAMILTON

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
VM180888	1994/04/18	AGREEMENT			THE CORPORATION OF THE CITY OF HAMILTON	C
		REMARKS: VEHICLE APPROACH RAMP				
VM266024	2005/09/16	TRANSFER		*** DELETED AGAINST THIS PROPERTY *** STOREY, GEORGE KENNETH STOREY, DEBORAH EILEEN	WADE, STEPHEN RAYMOND	
		REMARKS: PLANNING ACT STATEMENTS				
VM266025	2005/09/16	CHARGE		*** DELETED AGAINST THIS PROPERTY *** WADE, STEPHEN RAYMOND	THE TORONTO-DOMINION BANK	
WE712850	2010/08/31	TRANSFER	$205,000	WADE, STEPHEN RAYMOND	CITY OF HAMILTON	C
		REMARKS: PLANNING ACT STATEMENTS				
WE717131	2010/09/23	DISCH OF CHARGE		*** COMPLETELY DELETED *** THE TORONTO-DOMINION BANK		
		REMARKS: VM266025.				

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



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PRINTED ON 22 NOV, 2017 AT 13:48:40
FOR D.B.

SCALE

0 25 Meters

PROPERTY INDEX MAP

WENTWORTH(No. 62)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 32 Tiffany Street, Hamilton
Legal Description: lots 7-8, Block I, Plan 119

PIN #: 17151-0032(LT)

Searched at: Hamilton
LRO #: 62

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
510	Deed	27 04 1803	Caleb Reynolds	John ROUSSEAU
16	Deed	30 07 1816	John Rousseau	James MILLS
7	Deed	30 07 1816	James Mills	Peter HESS
2267	Deed	13 11 1835	Peter Hess	George TIFFANY
78909	Deed	12 01 1901	George Tiffany	John HARDMAN
86227	Deed	03 08 1905	John hardman	John Alexander WILLIAMSON
176687AB	Deed	29 07 1970	John A. Williamson - estate	Leonard CREPEAULT
352381AB	Deed	30 09 1974	Leonard Crepeault	Krivy Sara MANDELL

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 32 Tiffany Street, Hamilton
Legal Description: lots 7-8, Block I, Plan 119

Searched at: Hamilton
LRO #: 62

PIN #: 17151-0032(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
VM67792	Deed	21 08 1990	Krivy Sara Mandell	Alan MANDELL
VM244632	Deed (Present Owner)	25 03 1999	Alan Mandell	**1290976 Ontario Ltd.**
WE835179	Easement	05 06 2012	1290976 Ontario Ltd.	Canadian National Railway Company

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: LT 7-8 BLK I PL 119 S/T VM244632; CITY OF HAMILTON; SUBJECT TO AN EASEMENT AS IN WE835179

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 17151-0101

PIN CREATION DATE:
2008/03/17

OWNERS' NAMES
1290976 ONTARIO LTD.

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
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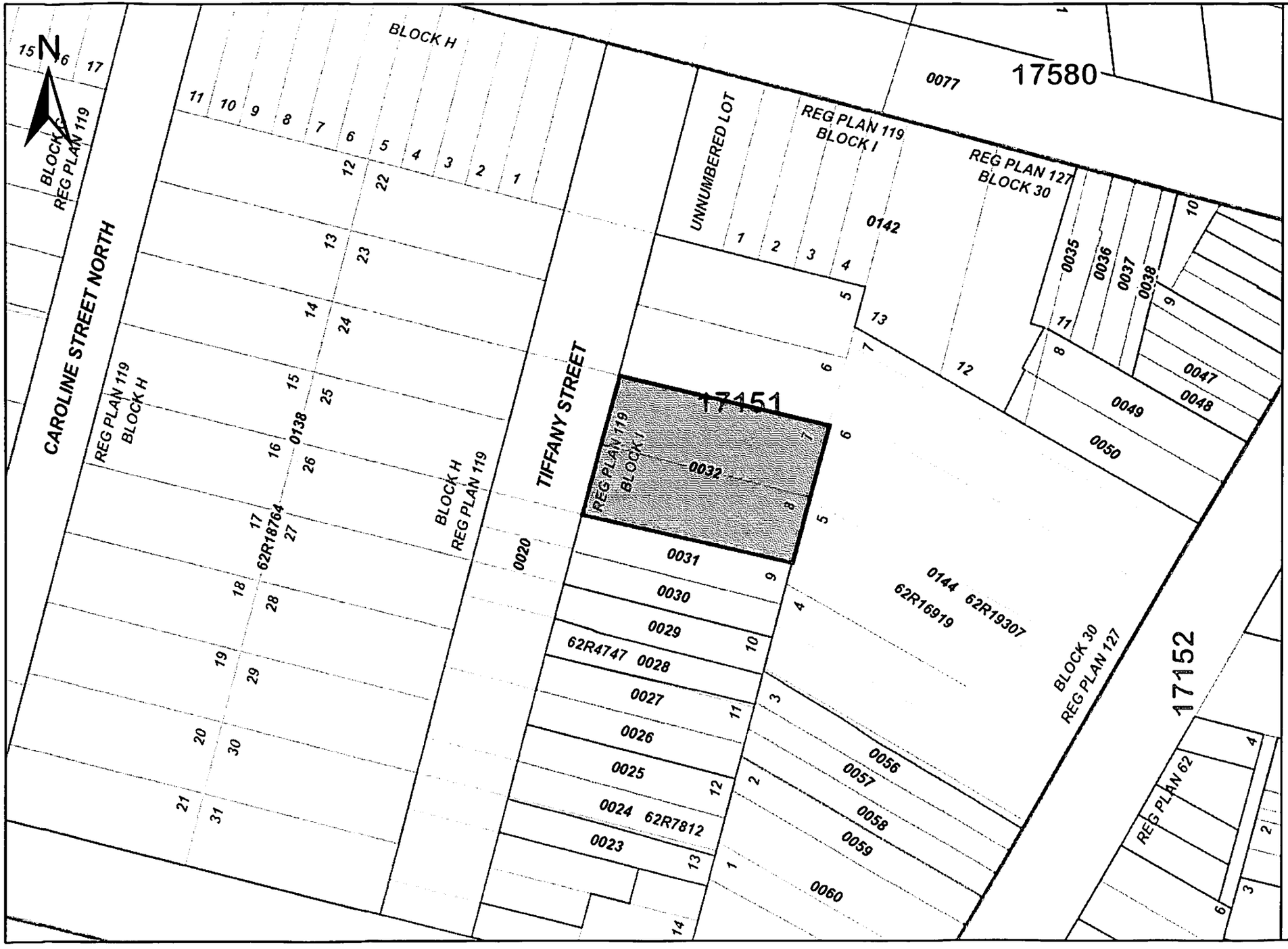
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/03/17 **						
VM244632	1999/03/25	TRANSFER		MANDELL, ALAN	1290976 ONTARIO LTD.	C
VM272568	2007/04/27	CHARGE	$300,000	1290976 ONTARIO LTD.	SAUDER, BEN	C
VM272569	2007/04/27	CHARGE	$513,000	1290976 ONTARIO LTD.	THE CANADA TRUST COMPANY THE CANADA TRUST COMPANY	C
WE805570	2011/12/23	NOTICE	$2	1290976 ONTARIO LTD.	THE CANADA TRUST COMPANY	C
REMARKS: VM272569						
62R19307	2012/04/30	PLAN REFERENCE				C
WE835179	2012/06/05	TRANSFER EASEMENT	$2	1290976 ONTARIO LTD.	CANADIAN NATIONAL RAILWAY COMPANY	C
WE838489	2012/06/21	APL ANNEX REST COV		CANADIAN NATIONAL RAILWAY COMPANY 1255717 ONTARIO LTD. 1290976 ONTARIO LTD.		C
WE873635	2012/12/11	NOTICE	$2	1290976 ONTARIO LTD.	THE CANADA TRUST COMPANY	C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: VM272569					
WE889577	2013/03/28	TRANSMISSON CHARGE		SAUDER, BEN	WISEMAN, STEPHEN ROBERT SHORE, WENDY SAUDER, SHELLY SAUDER, BEN - ESTATE	C
	REMARKS: VM272568.					
WE889602	2013/03/28	TRANSFER OF CHARGE		WISEMAN, STEPHEN ROBERT SHORE, WENDY SAUDER, SHELLY	CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: VM272568. VM272568, WE889577					
WE889603	2013/03/28	NOTICE		1290976 ONTARIO LTD.	CANADIAN WESTERN TRUST COMPANY	C
	REMARKS: VM272568, WE889577, WE889602					
WE945391	2014/01/17	CHARGE	$625,000	1255717 ONTARIO LTD. 1290976 ONTARIO LTD.	GLENRIO FINANCING LIMITED	C
WE1008096	2014/12/10	NOTICE		1255717 ONTARIO LTD. 1290976 ONTARIO LTD.	GLENRIO FINANCING LIMITED	C
	REMARKS: WE945391					
WE1143340	2016/08/19	NO APL ABSOLUTE		1290976 ONTARIO LTD.		C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



ServiceOntario

PRINTED ON 22 JAN, 2018 AT 15:22:44
FOR BERTUCCI1

SCALE

0 30 meters

PROPERTY INDEX MAP

WENTWORTH(No. 62)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

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CHAIN OF TITLE REPORT

Project #: TB171019
Address: 115-125 Barton Street West, Hamilton
Legal Description: Pt lot 16 Con 2; Pt Crooks Tract and Andrew Miller Survey as in NS238681

Searched at: Hamilton
LRO #: 62

PIN #: 17150-0209®

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	15 12 1796	Crown	Lt. Caleb REYNOLDS
1151	Deed	21 10 1806	Caleb Reynolds	John LOCKWOOD
1479	Deed	24 09 1808	John Lockwood	James BABY
171	Deed	09 09 1824	James Baby	Richard BEASLEY
172	Deed	09 09 1824	Richard Beasley	Hon. James CROOKS
257	Deed	18 07 1831	Hon. James Crooks - estate	Allan Napier MACNAB
2098	Deed	19 05 1835	Allan Napier MacNab	John STRACHAN
333	Deed	17 06 1839	John Strachan	Allan Napier MACNAB
334	Deed	17 06 1839	Allan Napier MacNab	William LEE

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: TB171019
Address: 115-125 Barton Street West, Hamilton
Legal Description: Pt lot 16 Con 2; Pt Crooks Tract and Andrew Miller Survey as in NS238681

Searched at: Hamilton
LRO #: 62

PIN #: 17150-0209®

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
40	Deed	11 04 1840	William Lee	John RADENHURST
697	Deed	10 03 1853	John Radenhurst	Edward HERBERT
725	Deed	15 06 1865	Edward Herbert	Frederick BRAY
637	Deed	25 10 1864	Frederick Bray	John DILLON
71914	Deed	19 04 1901	John Dillon	John A. WILLIAMSON
111666	Deed	22 03 1910	John A. Williamson	The Hamilton Bridge Works Co., Ltd.
305161	Deed	16 04 1924	The Hamilton Bridge Works Co., Ltd.	Hamilton Bridge Co. Ltd.
238681NS	Deed	08 01 1954	Hamilton Bridge Co. Ltd.	The T. Eaton Realty Company Ltd.
273696AB	Deed (Present Owner)	01 12 1972	The T. Eaton Realty Company Ltd	**The Corporation of The City of Hamilton**

Note that this property is an R PIN and title may not be absolute

Ontario ServiceOntario

LAND REGISTRY OFFICE #62

ABSTRACT INDEX (ABBREVIATED) FOR PROPERTY IDENTIFIER

17150-0209 (R)

PREPARED FOR Bertuccil
ON 2017/11/17 AT 15:47:16

PROPERTY DESCRIPTION: PT LT 16 CON 2 BARTON; PT CROOKS TRACT AND ANDREW MILLER SURVEY (UNREGISTERED) CITY OF HAMILTON (BTN BARTON ST , CAROLINE ST , SHEAFFE ST & BAY ST) AS IN NS238681 EXCEPT AB273696 & CD39750; CITY OF HAMILTON

PROPERTY REMARKS:

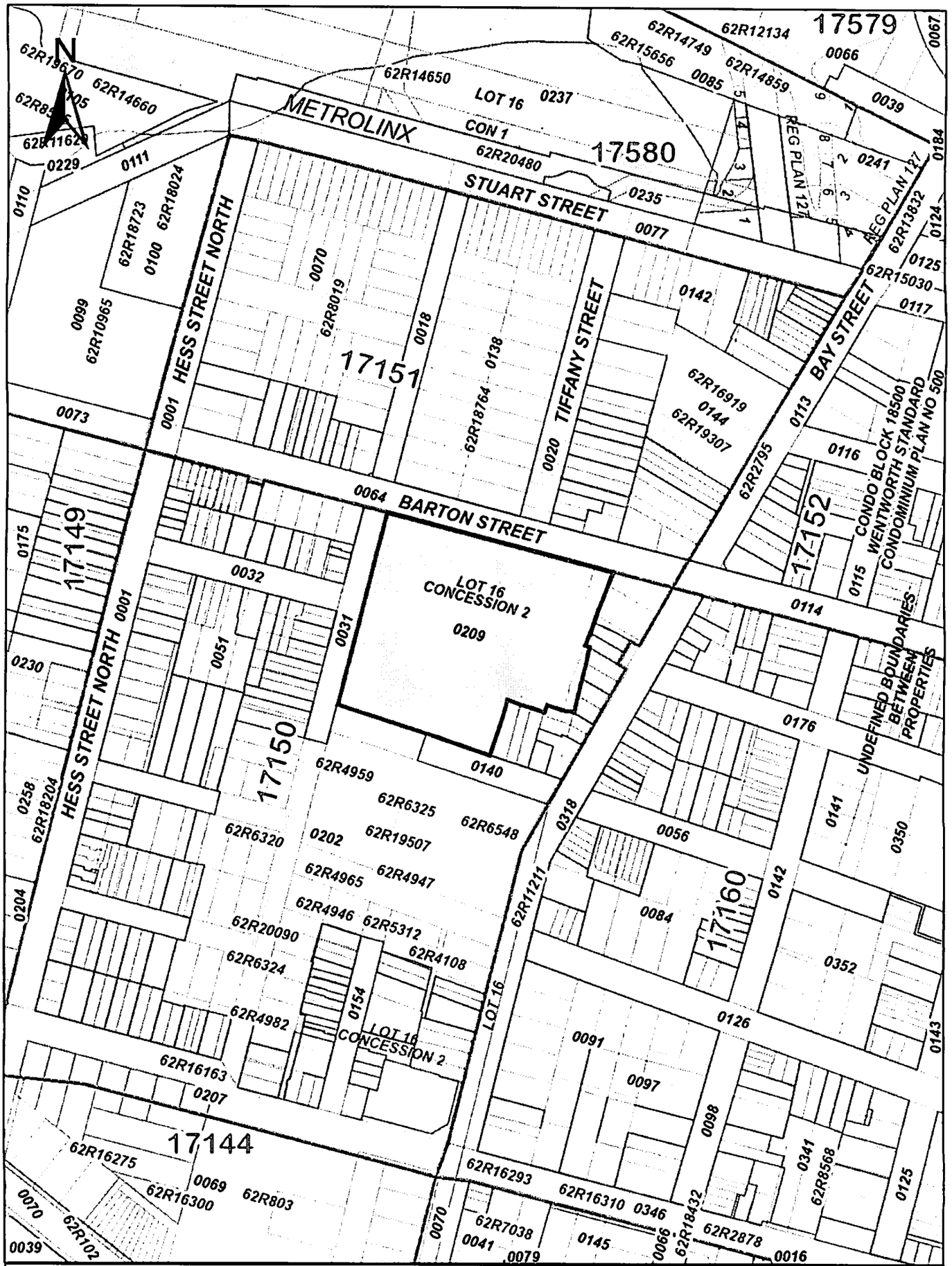
ESTATE/QUALIFIER:

RECENTLY:
RE-ENTRY FROM 17150-0389

PIN CREATION DATE:
2008/03/17

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/03/14 **						
** NO INSTRUMENT WITHIN THE SELECTED CRITERIA EXISTS IN THE AUTOMATED SYSTEM **						

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



ServiceOntario

PRINTED ON 22 NOV, 2017 AT 13:38:53
FOR D.B.

SCALE

0 25 50 75 100 125 Meters

PROPERTY INDEX MAP

WENTWORTH(No. 62)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

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FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

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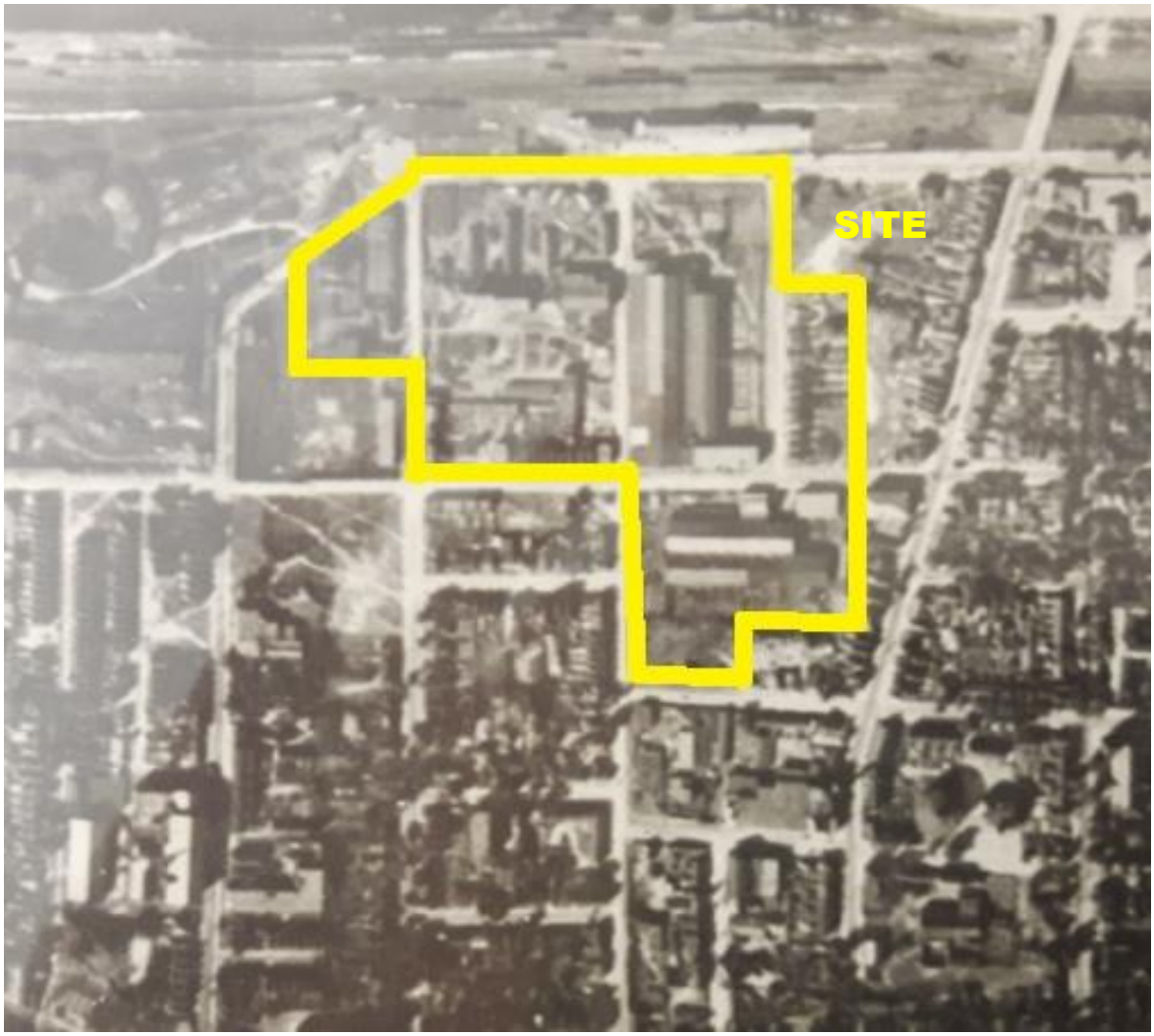
APPENDIX E

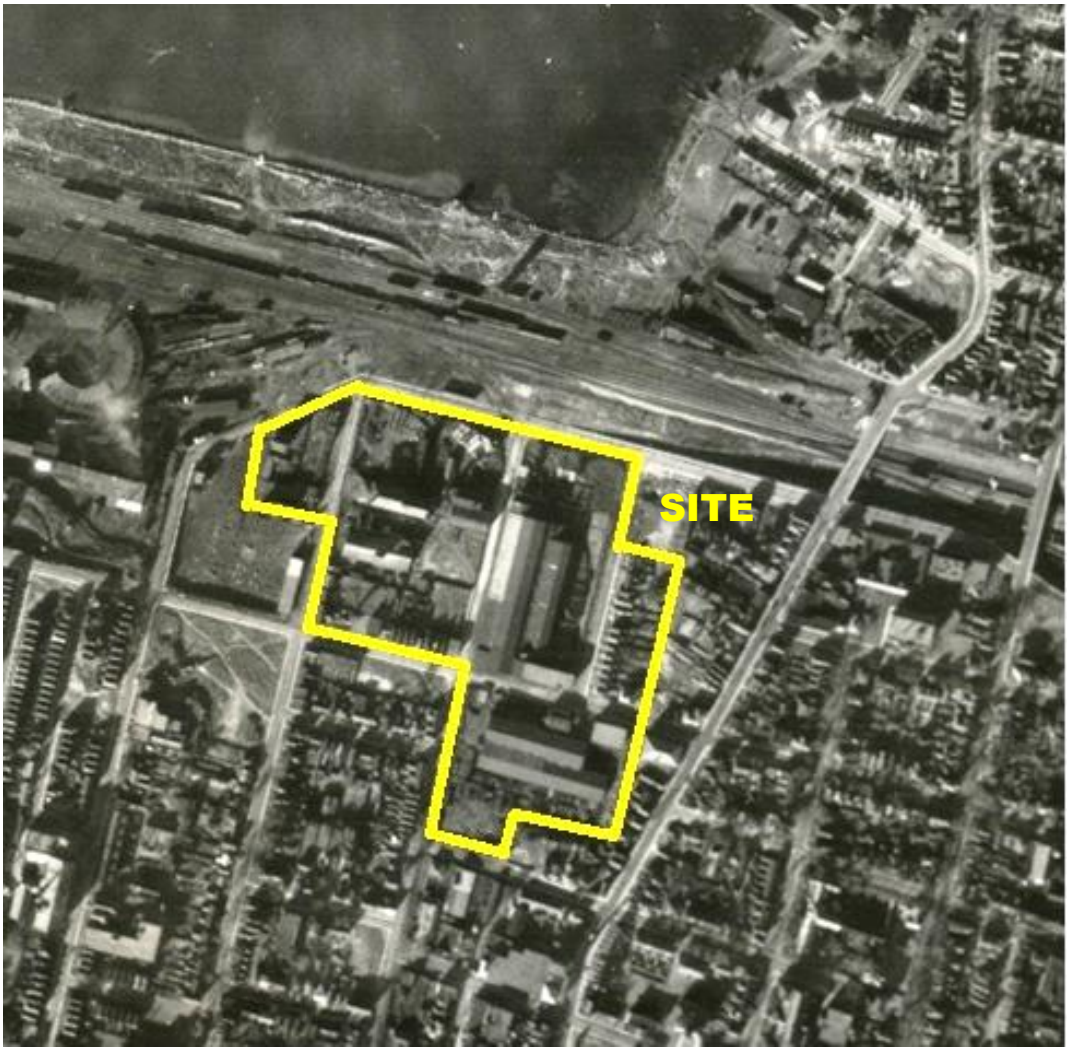
AERIAL PHOTOGRAPHS

N



amec foster wheeler	Date: January 2018	Scale: Not to Scale	Project No.: TB171019
Aerial Photograph 1927	Drawn by: KS	Approved by: JC	McMaster University Map Library

N



amec foster wheeler	Date: November 2017	Scale: Not to Scale	Project No.: TB171019
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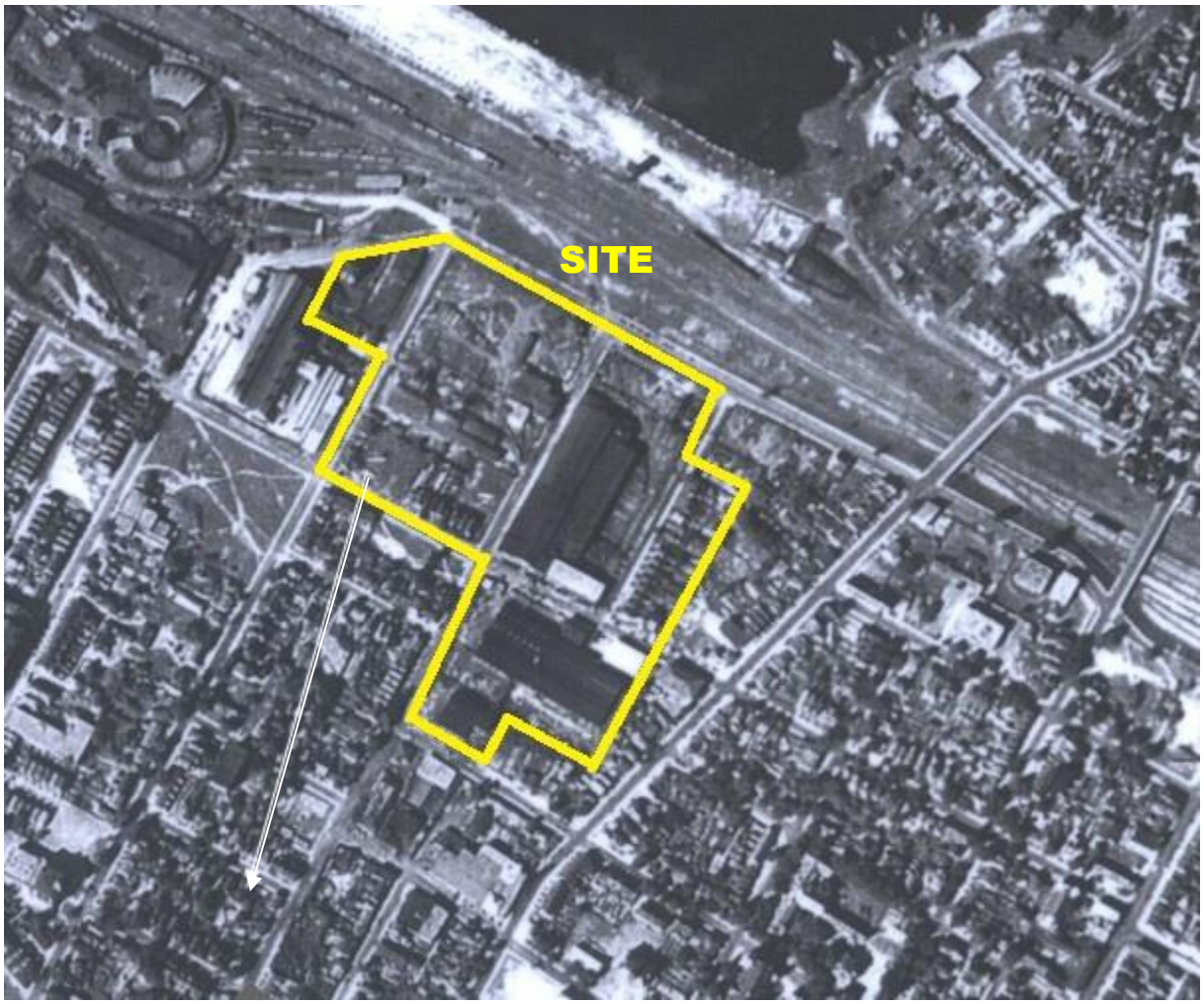
N



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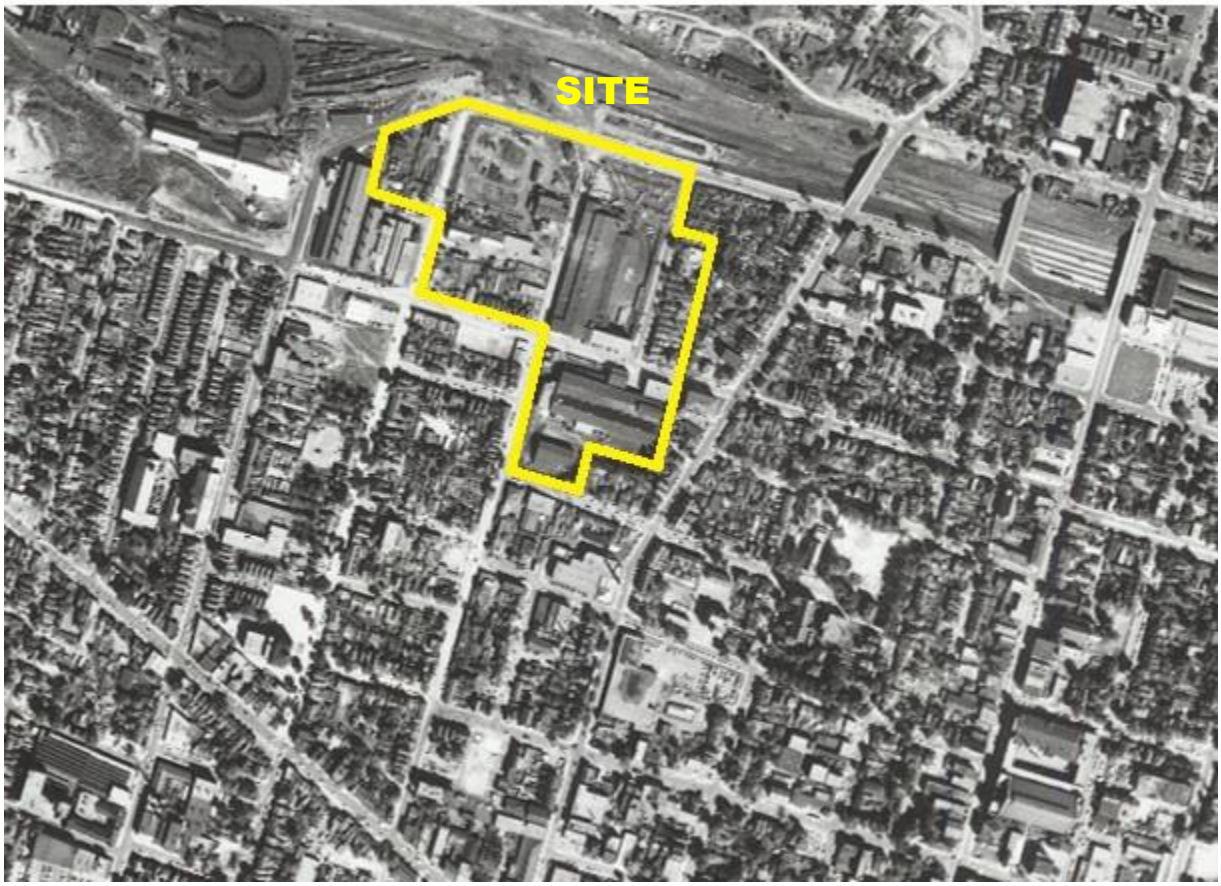
N



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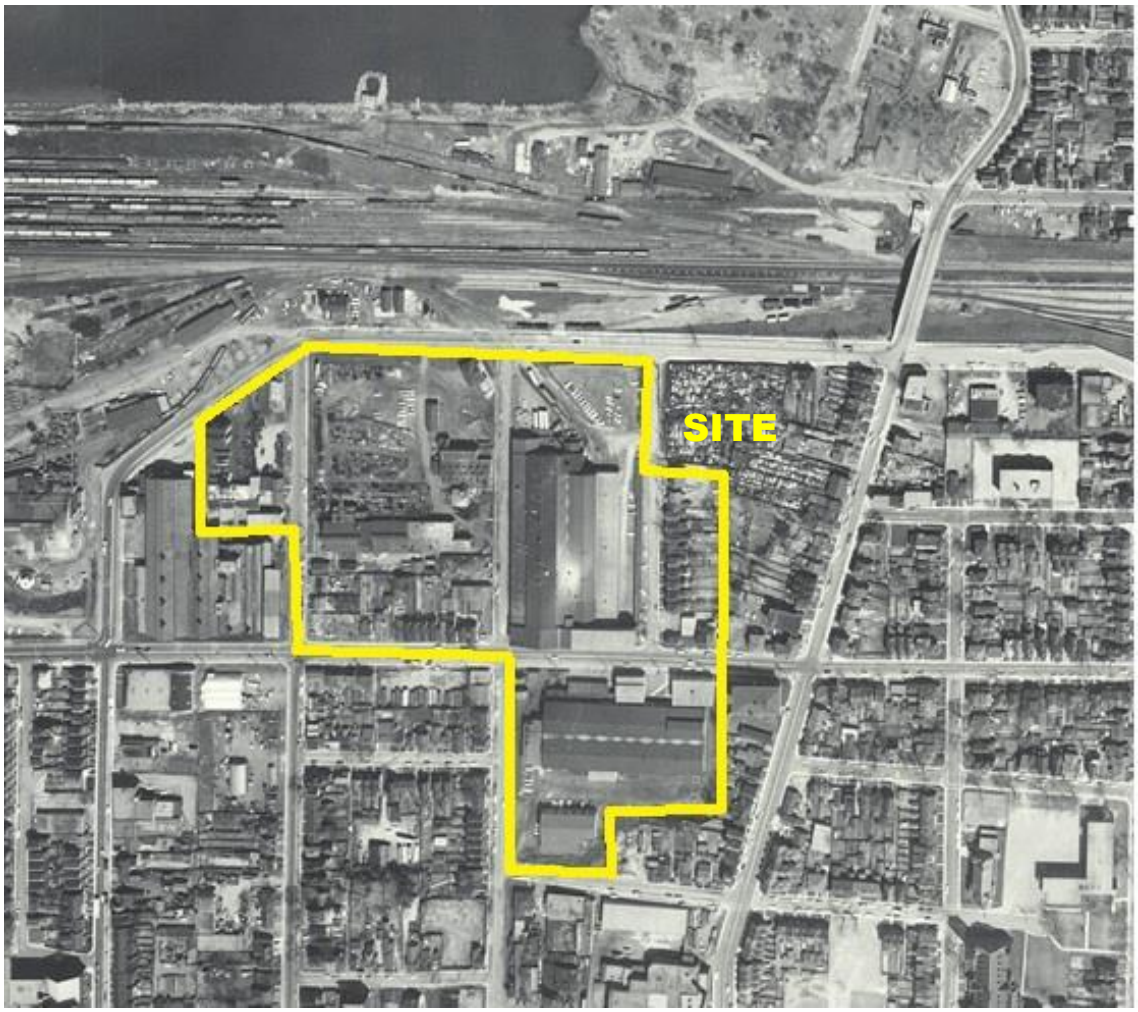
N



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Aerial Photograph 1964	Drawn by: KS	Approved by: JC	McMaster University Map Library

N

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Aerial Photograph 1978	Drawn by: KS	Approved by: JC	McMaster University Map Library

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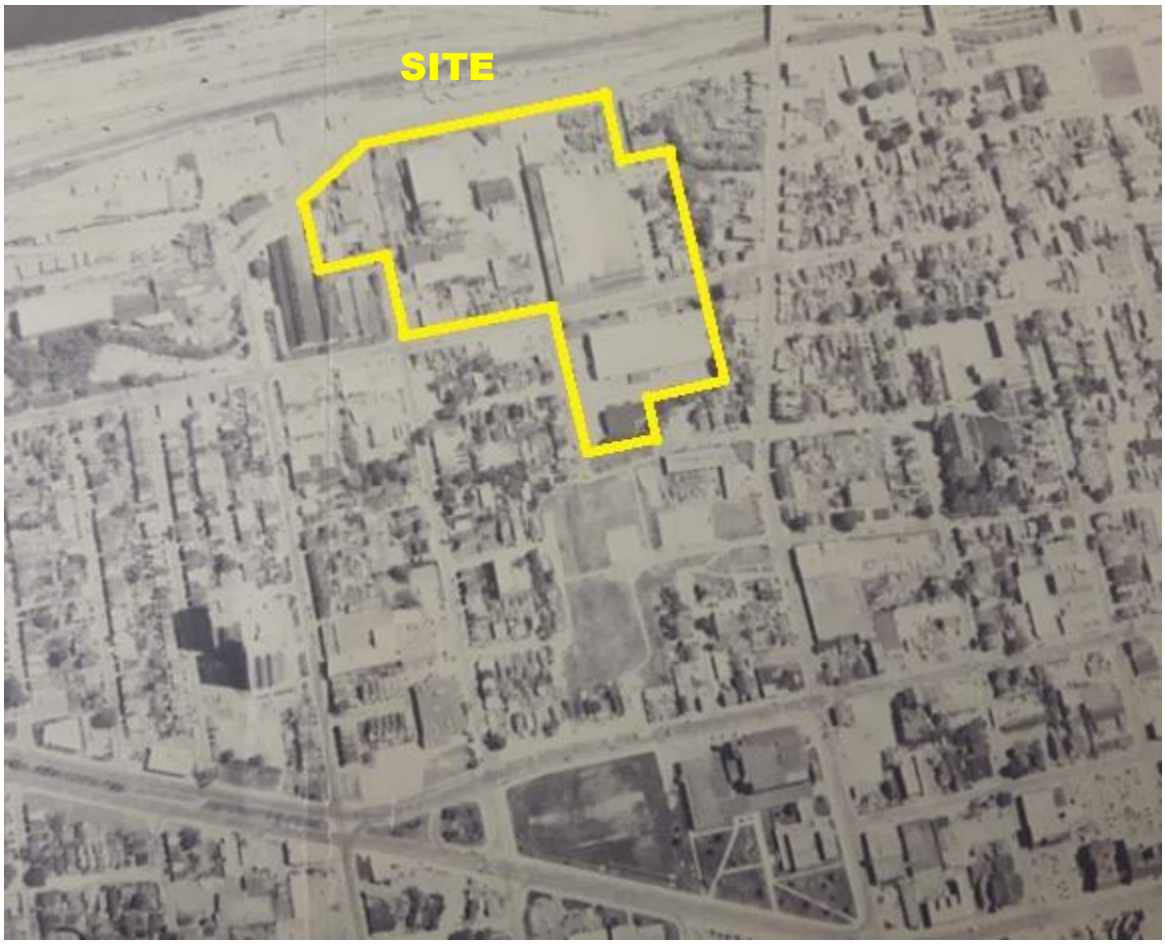

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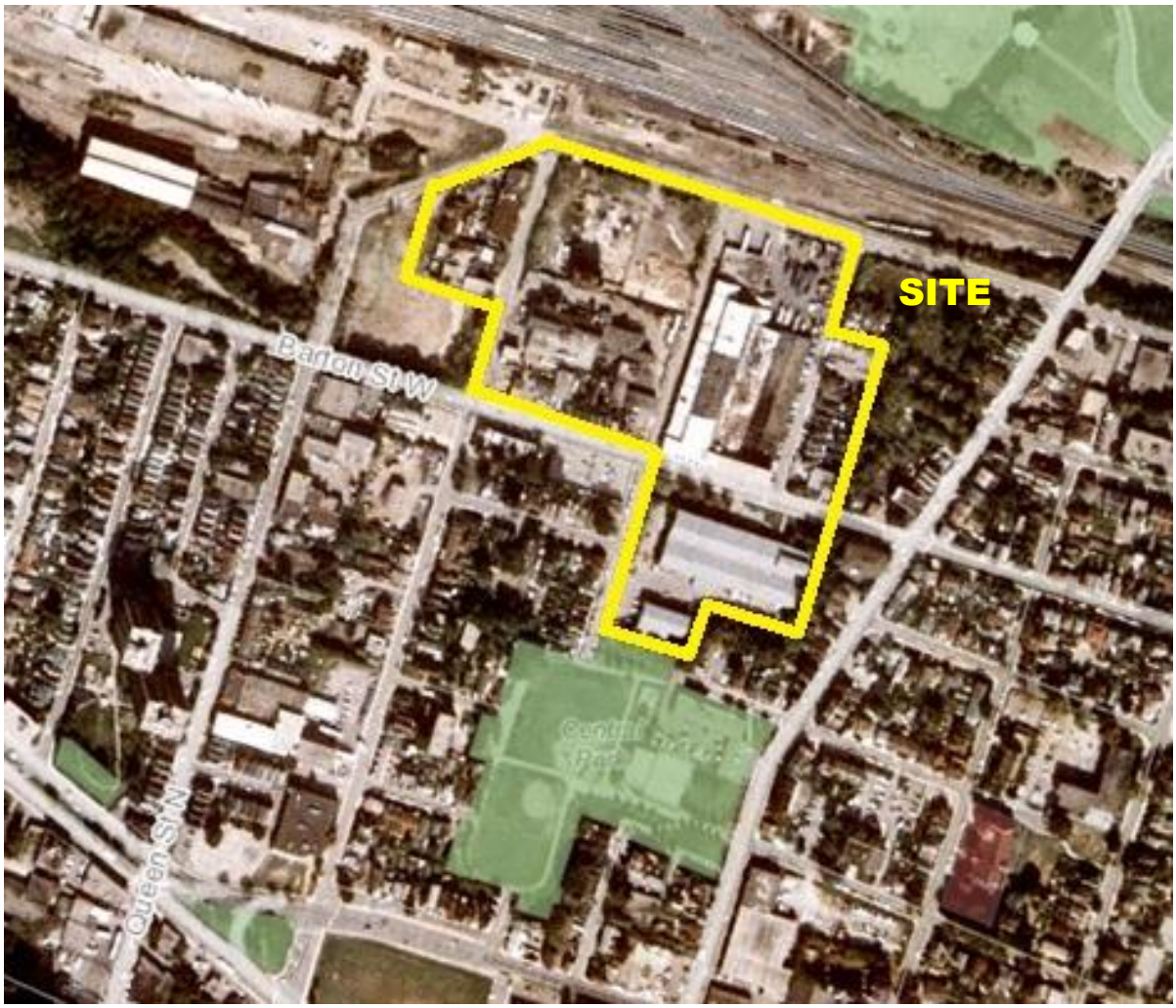

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N

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Aerial Photograph 1999	Drawn by: KS	Approved by: JC	Hamilton Maps

N

amec foster wheeler	Date: November 2017	Scale: Not to Scale	Project No.: TB171019
Aerial Photograph 2005	Drawn by: KS	Approved by: JC	Hamilton Maps

N

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Aerial Photograph 2015	Drawn by: KS	Approved by: JC	Hamilton Maps

APPENDIX F

REGULATORY CORRESPONDENCE AND INTERVIEWS

Hamilton
Public Works

HAMILTON WATER

Compliance and Regulations Department
Hamilton Water Division
700 Woodward Avenue
Hamilton, Ontario L8H 6P4
Phone: 905.546.2424, ext. 5190 Fax: 905.546.2661
E-mail: sewerusebylaw@hamilton.ca
PW-WW-CR-EM-F-024-IR01-001

RECEIVED
DEC 18 2017
FILE NO:

December 11, 2017

File no: BCOS

Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Road, Suite 100
Burlington, ON
L7N 3W5

Dear Kate Slaman

Re: Information Request

- **112, 115-125, 128, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182 and 198 Barton Street West, Hamilton Ontario.**
- **4, 10 16, 22, 26, 28, and 30 Tiffany Street North, Hamilton, Ontario**
- **239 Caroline Street North, Hamilton, Ontario**
- **228 Hess Street North, Hamilton, Ontario**
- **231 – 249 Hess Street North, Hamilton, Ontario**

File: TB171019

In response to your request for information of November 27, 2017 regarding the above-noted property, we wish to inform you:

a) Our files, which are only accurate from 1991 to the present, indicate a violation of the City of Hamilton Sewer Use By-law 14-090, due to a spill event on March 30th, 2017 originating from **249 Hess Street North** in which the spill contained **Chromium, Nickel and Copper**. All other above noted properties had no violations of the Sewer Use By-Law 14-090.

b) Our records of former municipal landfill sites, which are only accurate from 1974 to the present, do list all the above-noted properties within a 500 meter radius of a former landfill site.

In view of the limited information available to us, if the interested party wishes to completely satisfy themselves that the site was not used for the disposal of waste, we recommend that they utilize the services of a licensed and qualified geotechnical agency to carry out site testing to confirm existing subterranean conditions.

For further information on other issues, which are beyond the jurisdiction of the City of Hamilton, we suggest your firm contact:

Ministry of the Environment and Climate Change
West Central Region, Hamilton Regional Office
119 King Street West, 12th Floor
Hamilton ON L8P 4Y7
(905) 521-7640

Should you have any questions or require clarification regarding this matter, please contact me in writing.

Sincerely,

Nelson Udal on behalf of Debbie Saunders.

Debbie Saunders
Superintendent, Environmental Monitoring & Enforcement
Compliance & Regulations Section, Hamilton Water Division
Public Works

Copy to: R. Conley, Manager of Recycling and Waste Disposal

Authors Initial e.g. GN

January 22, 2018

File: TB171019

Hamilton Water
Public Works
City of Hamilton
700 Woodward Avenue
Hamilton, Ontario
L8H 6P4

Attention: Ms. Debbie Saunders – Superintendent of Environmental Monitoring & Enforcement

Dear Ms. Saunders:

Re: Information Request for Phase I ESA

- **32 Tiffany Street**

Amec Foster Wheeler Environment & Infrastructure (Amec FW) has been retained to undertake an Environmental Site Assessment (ESA) on the above referenced property.

As part of the regulatory review portion of the scope of work for the Phase I ESA, Amec Foster Wheeler requests that the City of Hamilton review their files for information outlining any environmental concerns associated with the subject property. Pertinent information may include, but not be limited to, any environmental reports regarding former waste disposal sites in the area, storm and/or sanitary sewer use by-law infractions, chemical spills, clean-ups, site inspections, complaints, control orders, or other abatement issues.

The search fee of $156.96 per Site is enclosed. Please do not hesitate to contact the undersigned if you require any further information to complete your records search.

Yours truly,

Kate Slaman

Kate Slaman
Environmental Scientist

Amec Foster Wheeler Environment & Infrastructure
a division of Amec Foster Wheeler Americas Limited
3450 Harvester Road, Suite 100
Burlington, Ontario
Canada, L7N 3W5
Tel 1+905-335-2353
Fax 1+905-335-1414
www.amecfw.com

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

RECEIVED
JAN 12 2017
FILE NO:

January 10, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2017-09046, Your Reference TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 168 Barton Street West, Hamilton.

After a thorough search through the files of the Ministry's Hamilton District Office, West-Central Region, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Rebeka Bogdan at Rebeka.Bogdan@ontario.ca.

Yours truly,

FOR RB

Janet Dadufalza
FOI Manager

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

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Téléc.: (416) 314-4285

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RECEIVED
JAN 15 2017
FILE NO:

January 10, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2017-09043, Your Reference TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 162 Barton Street West, Hamilton.

After a thorough search through the files of the Ministry's Hamilton District Office, West-Central Region, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment. This file is now closed.**

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If you have any questions regarding this matter, please contact Rebeka Bogdan at Rebeka.Bogdan@ontario.ca.

Yours truly,

Janet Dadufalza
FOI Manager

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

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Toronto ON M4V 1M2
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Téléc.: (416) 314-4285

Ontario

RECEIVED
JAN 12 2017
FILE NO:

January 10, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2017-09044, Your Reference TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 164 Barton Street West, Hamilton.

After a thorough search through the files of the Ministry's Hamilton District Office, West-Central Region, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment. This file is now closed.**

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If you have any questions regarding this matter, please contact Rebeka Bogdan at Rebeka.Bogdan@ontario.ca.

Yours truly,

Janet Dadufalza
FOI Manager

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

RECEIVED
JAN 18 2017
FILE NO:

January 15, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2017-09063, Your Reference TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 28 Tiffany Street, Hamilton.

After a thorough search through the files of the Ministry's Hamilton District Office, West-Central Region, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Rebeka Bogdan at Rebeka.Bogdan@ontario.ca.

Yours truly,

Janet Dadufalza
FOI Manager

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

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40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

RECEIVED
JAN 18 2018
FILE NO:

January 15, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2017-09060, Your Reference TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 16 Tiffany Street, Hamilton.

After a thorough search through the files of the Ministry's Hamilton District Office, West-Central Region, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Rebeka Bogdan at Rebeka.Bogdan@ontario.ca.

Yours truly,

FOR RB

Janet Dadufalza
FOI Manager

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

RECEIVED
JAN 18 2017
FILE NO:

January 15, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # A-2017-09049, Your Reference TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 174 Barton Street West, Hamilton.

After a thorough search through the files of the Ministry's Hamilton District Office, West-Central Region, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. **We have applied the $30.00 for this request from your initial payment. This file is now closed.**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Rebeka Bogdan at Rebeka.Bogdan@ontario.ca.

Yours truly,

for RD

Janet Dadufalza
FOI Manager

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
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Ministère de l'Environnement et de l'Action en matière de changement climatique

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40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

RECEIVED
JAN 17 2017
FILE NO:

January 15, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: *Freedom of Information and Protection of Privacy Act* Request
Our File #: A-2017-09047, Your Reference #: TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 170 Barton Street West, Hamilton.

After a thorough search of the Ministry's West Central Regional Office, Hamilton District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide partial access to the attached information as the identity of complainants has been removed to protect privacy (Section 21(1)(f) of the Act).

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, detailed below are our charges:

• Search Time 1 hour @ $30/hour	$ 30.00
• Copying 2 pages @ $0.20/page	$ 0.40
• Delivery	$ 3.00
• **Total**	**$ 33.40**
• Deposit Received	- $ 30.00
• **BALANCE WAIVED (NOT REQUIRED)**	**$ 3.40**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Jenny Lee at jennyyunjeong.lee@ontario.ca.

Yours truly,

FOR Janet Dadufalza
FOI Manager
Attachments

Ontario

Ministry of the Environment

OCCURENCE REPORT

Location of Occurence:
HAMILTON CITY
CAROLINE, BETWEEN STUART & BARTON

Reg: 2 **Dist:** HA **Municipality:** 16101

Source:
HAMILTON IRON & METAL
239 CAROLINE ST N HAMILTON
Sector: ME **Source:** OP **SIC:** 2900
UTM:
N: [] **E:** [] **Zone:** []

Entered: :
ORIS No. 9020100261
Abstracts:
Diaries:

Received By: HAMILTON DISTRICT
Batch:
I. E. B. No.

Occurence Type: C
Subtype: 04
Occurence Date: 1990/04/19

s.21

Work Plan:

Occurence Time: :
Report to MOE : 1990/04/19 09:30
MOE at Scene: :
Assigned To: MARK DUNN

ERP Contacted: :
Callout: []
ERP Name:
NSP: [N]

Syn: BURNING WIRE OUTSIDE, BLACK SMOKE ALL OVER NEIGHBOURHOOD

Brief Summary:
COMPANY IS BURNING WIRE OUTSIDE, NOT USING INCINERATOR, THERE IS BLACK SMOKE ALL OVER NEIGHBOURHOOD. ADVISED FIRE DEPT. THERE IS AN ONGOING DISPUTE BTWN BELL WORKERS & HAMILTONIRON - HAVE BEEN UNABLE TO CATCH OR PROVE COMPANY IS BURNING METAL WIRE. PAST COMPLNTS HAVE ALWAYS BEEN ON COLD DAYS WHEN STAFF BURN WOOD IN BARREL TO KEEP WARM. WILL CONTINUE TO MONITOR WHEN IN THE AREA.

If there are related reports, record initial/master ORIS No. here >>

Followup Action: N **Abatement** N **IEB** **Other**
BF Date:

File Closed: Y **Abatement:** Y **IEB** **Other**
Suspected Violation:

Report Prepared By:	**Date:**	**IEB Investigator:**	**IEB BF Date**
MARK DUNN	29/07/90		
Approving Officer	**Date:**	**Reviewing Officer:**	**Date**
LEE VAN BIESBROUCK	31/07/90		

Specify number(s) for routing Original [ ] [ ] [ ] [ ] **Continued** [ ] **Yes**
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ] [ ]

1. Investigator/E.O. **2. D. O. /File** **3. SAC (initial spills)**
4. Reg. Dir. /_____ Mgr. **5. IEB Reg. Spv** **6. IEB H.O./file** **7. Other _____**

SAC Action Class: 1: 2:

Material 1: **Code :**
Amount : **UN No.:**
Material 2: **Code :**
Amount : **UN No.:**
Material 3: **Code :**

Amount :

UN No.:

Cause. . . . . :

Code. . :

Reason. . . . . :

Code. . :

Person in Control:

Waste GenNum :

Owner . . . . . :

Waste GenNum :

Agencies Involved . . . . :

Clean up and Restoration Carried out by:

[v] Controller [v] Owner [N] Other

% Cleaned up:

Estimated Cost:

Were Directions or Approval Given Under

EPA Part X [v] Regulation 362 [v] Manifest No.

Waste Class :

Code . . :

Hauler :

Code . . :

Disposal Site :

Code . . :

Environmental Impact:

Nature of Impact:

Code . . :

People/Business Damaged

(Other than to Owner/Controller) :

Nature of Damage:

Code . . :

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

RECEIVED
JAN 17 2017
FILE NO:

January 12, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: *Freedom of Information and Protection of Privacy Act* Request
Our File #: A-2017-09052, Your Reference #: TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 180 Barton Street West, Hamilton.

After a thorough search of the Ministry's Hamilton District Office, West-Central Regional Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide partial access to the attached information as personal information has been removed to protect privacy (Section 21(1(f) of the Act).

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, detailed below are our charges:

• Search Time 1 hour @ $30/hour	$ 30.00
• Copying 6 pages @ $0.20/page	$ 1.20
• Delivery	3.00
• **Total**	**$ 34.20**
• Deposit Received	- 30.00
• **BALANCE WAIVED (NOT REQUIRED)**	**$ 4.20**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Moliann Weir at Moliann.Weir4@ontario.ca.

Yours truly,

M. Weir

for

Janet Dadufalza
FOI Manager

Attachments

s.21

Ontario

Ministry of the Environment

OCCURENCE REPORT

Location of Occurence:
HAMILTON CITY
180 BARTON ST WEST

Reg: 2 **Dist:** HA **Municipality:** 16101

Source:
B & M METAL RECYCLING
239 CAROLINE ST NORTH HAMILTON
Sector: ME **Source:** OT **SIC:**
UTM:
N: [4787000] **E:** [594000] **Zone:** [17]

Entered:	ORIS No.	Abstracts:	Diaries:
1995/06/22 12:45	9520001775	0	1

Received By:		Batch:	I. E. B. No.
HAMILTON DISTRICT		1740	
Occurence Type:	**Subtype:**	**Occurence Date:**	1995/06/22
C	01		
Work Plan:	11	**Occurence Time:**	09:00

Reported By: [redacted]

Report to MOE : 1995/06/22 11:00
MOE at Scene:

Telephone No.	Alternate No.	Assigned To:	SUZANNE FONTAINE
[redacted] x	x		

Address: [redacted]

ERP Contacted:
Callout: [] **NSP:** []
ERP Name:

Postal Code:

Syn: BURNING PLASTIC ODOUR

Brief Summary:
THERE IS A STRONG BURNING PLASTIC ODOUR - CALLER CAN SEE THAT SMOKE FROM MAIN STACK IS MUCH DARKER THAN USUAL AND THERE ARE EMISSIONS FROM SMALLER HOODED STACK.@ *** AB03 B & M METAL RECYCLING *** 11:15 -TALKED TO COMPANY. THEY WERE BURNING GREASY LEAD CABLE AND GOT A BACKDRAFT THAT WENT TO ROOF VENT. 11:30 CALLED COMPLNT BACK, [redacted] CHECKED AND SMOKE IS OKAY NOW. @X-REF 9520001776

If there are related reports, record initial/master ORIS No. here >>

Followup Action: **Abatement** **IEB** **Other**
BF Date:

File Closed: X **Abatement:** **IEB** **Other**
Suspected Violation:

Report Prepared By:	Date:	IEB Investigator:	IEB BF Date
SUZANNE FONTAINE	28/06/95		
Approving Officer	**Date:**	**Reviewing Officer:**	**Date**
CARL SLATER	29/06/95		

Specify number(s) for routing Original [ ] [ ] [ ] [ ] [ ] **Continued** [ ] **Yes**
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ] [ ]

1. Investigator/E.O. **2. D. O. /File** **3. SAC (initial spills)**
4. Reg. Dir. /_____ Mgr. **5. IEB Reg. Spv** **6. IEB H.O./file** **7. Other _____**

SAC Action Class: 1: 2:

Material 1: **Code :**
Amount : **UN No.:**
Material 2: **Code :**
Amount : **UN No.:**
Material 3: **Code :**

Amount :

UN No.:

Cause. . . . . :

Code. . :

Reason. . . . . :

Code. . :

Person in Control:

Waste GenNum :

Owner . . . . . :

Waste GenNum :

Agencies Involved . . . . :

Clean up and Restoration Carried out by:

[v] Controller [v] Owner [N] Other

% Cleaned up:

Estimated Cost:

Were Directions or Approval Given Under

EPA Part X [v] Regulation 362 [v] Manifest No.

Waste Class :

Code . . :

Hauler :

Code . . :

Disposal Site :

Code . . :

Environmental Impact:

Nature of Impact:

Code . . :

People/Business Damaged

(Other than to Owner/Controller) :

Nature of Damage:

Code . . :

s.21

Ontario

Ministry of the Environment

OCCURENCE REPORT

Location of Occurence:
HAMILTON CITY
180 BARTON ST WEST

Reg: 2 **Dist:** HA **Municipality:** 16101

Source:
B & M METAL RECYCLING
239 CAROLINE ST NORTH HAMILTON
Sector: ME **Source:** OT **SIC:**
UTM:
N: [] **E:** [] **Zone:** []

Entered:	ORIS No.	Abstracts:	Diaries:
:	9320002160	0	1

Received By:	Batch:	I. E. B. No.
HAMILTON DISTRICT	1219	

Occurence Type:	Subtype:	Occurence Date:	1993/08/17
C	01		

Work Plan:

Occurence Time: 10:55

Reported By: [redacted]

Report to MOE : 1993/08/17 10:55
MOE at Scene: 93/08/17 11:30

Telephone No.	Alternate No.	Assigned To:
[redacted] x	x	SUZANNE FONTAINE

Address: [redacted]

ERP Contacted:
Callout: [] **NSP:** []
ERP Name:

Postal Code:

Syn: TERRIBLE BURNING ODOUR & WHITE SMOKE

Brief Summary:
TERRIBLE BURNING ODOUR & WHITE SMOKE FROM COMPANY RIGHT NOW X-REF 9300007329 & 9320001714 - SAME COMPLAINT *** AB03 B & M METAL RECYCLING ***@X-REF 9320002156. COMPANY CHANGED OPERATING PROCEDURES, COOL WIRES IN BLDG@THERE ARE DUST-VOL JARS AROUND SITE THAT WILL PROVIDE MONITORING DATA

If there are related reports, record initial/master ORIS No. here >>

Followup Action: Abatement IEB Other
BF Date:

File Closed: X **Abatement: IEB Other**
Suspected Violation:

Report Prepared By:	Date:	IEB Investigator:	IEB BF Date
SUZANNE FONTAINE	03/02/94		

Approving Officer	Date:	Reviewing Officer:	Date
SEAN CAPSTICK	04/02/94		

Specify number(s) for routing Original [ ] [ ] [ ] [ ]
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ]
Continued [ ] **Yes**

1. Investigator/E.O. 2. D. O. /File 3. SAC (initial spills)
4. Reg. Dir. /_____ Mgr. 5. IEB Reg. Spv 6. IEB H.O./file 7. Other _____

SAC Action Class: 1: 2:

Material 1: **Code :**
Amount : **UN No.:**
Material 2: **Code :**
Amount : **UN No.:**
Material 3: **Code :**
Amount : **UN No.:**

Cause. . . . . :
Code. . :
Reason. . . . . :
Code. . :
Person in Control:
Waste GenNum :
Owner . . . . . :
Waste GenNum :
Agencies Involved . . . . :

Clean up and Restoration Carried out by:
[v] Controller [v] Owner [N] Other

% Cleaned up:
Estimated Cost:
Were Directions or Approval Given Under
EPA Part X [v] Regulation 362 [v] Manifest No.

Waste Class :
Code . . :
Hauler :
Code . . :
Disposal Site :
Code . . :
Environmental Impact:
Nature of Impact:
Code . . :

People/Business Damaged
(Other than to Owner/Controller) :
Nature of Damage:
Code . . :

Ontario

Ministry of the Environment

OCCURENCE REPORT

Location of Occurence:
HAMILTON CITY
BARTON ST WEST

Reg: 2 **Dist:** HA **Municipality:** 16101

Source:
B & M METAL RECYCLING
239 CAROLINE ST NORTH HAMILTON
Sector: ME **Source:** OT **SIC:**
UTM:
N: [] **E:** [] **Zone:** []

Entered:	**ORIS No.**	**Abstracts:**	**Diaries:**
1993/07/01	9300007329	0	1

Received By: PAUL M WEBB

Batch: 3056 **I. E. B. No.**

Occurence Type:	**Subtype:**	**Occurence Date:**
C	01	1993/07/01

Work Plan:

Occurence Time:

Reported By: [redacted]

Report to MOE : 1993/07/01 21:02
MOE at Scene: 93/07/07 10:30

Telephone No.	**Alternate No.**	**Assigned To:**
[redacted] x	x	SUZANNE FONTAINE

Address: [redacted]

ERP Contacted:
Callout: []
ERP Name:

NSP: [N]

Postal Code:

Syn: STRONG ODOUR &WHITE SMOKE FROM THE STACK ALL DAY.

Brief Summary:
CALLER REPORTS A STRONG ODOUR AND WHITE SMOKE FROM THE STACK ALL DAY,CALLERDROVE AROUND PLANT AND FOUND SOOT AND ASHES BLOWING AROUND THE AREA. **** AB03 B & M METAL RECYCLING ****
X-REF 9320001591. COMPANY WILL KEEP YARD CLEAN & MONITOR UNFAVOURABLE WIND CONDITIONS. LETTERS SENT TO COMPANY & TO COMPLAINANT. ONGOING ABATEMENT WORK WITH COMPANY AS PER CONDITIONS ON C OF A

If there are related reports, record initial/master ORIS No. here >>

Followup Action: Abatement IEB Other
BF Date:

File Closed: X **Abatement: IEB Other**
Suspected Violation:

Report Prepared By:	**Date:**	**IEB Investigator:**	**IEB BF Date**
SUZANNE FONTAINE	09/07/93		
Approving Officer	**Date:**	**Reviewing Officer:**	**Date**
SEAN CAPSTICK	09/07/93		

Specify number(s) for routing Original [ ] [ ] [ ] [ ] **Continued [ ] Yes**
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ]

1. Investigator/E.O. **2. D. O. /File** **3. SAC (initial spills)**
4. Reg. Dir. /_____ Mgr. **5. IEB Reg. Spv** **6. IEB H.O./file** **7. Other _____**

SAC Action Class: 1: 2:

Material 1: **Code :**
Amount : **UN No.:**
Material 2: **Code :**
Amount : **UN No.:**
Material 3: **Code :**

Amount :

UN No.:

Cause. . . . . :

Code. . :

Reason. . . . . :

Code. . :

Person in Control:

Waste GenNum :

Owner . . . . . :

Waste GenNum :

Agencies Involved . . . . :

Clean up and Restoration Carried out by:

[v] Controller [v] Owner [N] Other

% Cleaned up:

Estimated Cost:

Were Directions or Approval Given Under

EPA Part X [v] Regulation 362 [v] Manifest No.

Waste Class :

Code . . :

Hauler :

Code . . :

Disposal Site :

Code . . :

Environmental Impact:

Nature of Impact:

Code . . :

People/Business Damaged

(Other than to Owner/Controller) :

Nature of Damage:

Code . . :

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

RECEIVED
JAN 17 2017
FILE NO:

January 12, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: *Freedom of Information and Protection of Privacy Act* Request
Our File #: A-2017-09054, Your Reference #: TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 198 Barton Street West, Hamilton (also may historically have been 220 to 222 and 224 to226 Barton Street West) EVEN #s only.

After a thorough search of the Ministry's Hamilton District Office, West Central Region, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide full access to the attached information.

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, detailed below are our charges:

• Search Time 1 hour @ $30/hour	$30.00
• Copying 2 pages @ $0.20/page	0.40
• Delivery	3.00
• **Total**	**$33.40**
• Deposit Received	- 30.00
• **BALANCE WAIVED (NOT REQUIRED)**	**$ 3.40**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Sharon Menzies at (416) 327-1429 or Sharon.Menzies@ontario.ca.

Yours truly,

Janet Dadufalza
FOI Manager

Attachments

Generator Details

Registration/Notification Number

ON9693562

Legal Company Name

Primary Name:	The Corporation of The City of Hamilton	Division Name:	NA

Company Operating Name

Primary Name:	The Corporation of The City of Hamilton	Division Name:	NA

Mailing Address

Division Building:	NA	Post Box Number:	NA
Address Line 1:	320-77 James Street North	Address Line 2:	NA
Town/City:	Hamilton	Postal Code / Zip Code:	L8R 2K3
County: (if inside Ontario)	HAMILTON-WENTWORTH R. M.	Province/State (If inside Canada/US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (If outside Canada / US)	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	198 Barton Street W		
Address Line 2:	NA		
Town/City:	Hamilton	Postal Code / Zip Code:	L8R 2H3
County: (if inside Ontario)	HAMILTON-WENTWORTH R. M.	Province / State (If inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (If outside Canada / US)	NA
Country:	Canada		

Company Name: **The Corporation of The City of Hamilton**
Company Number: **ON9693562 (Generator)**

Active Waste Classes

Active Waste Class Listing

Add New Waste Class | Inactive waste classes

Active On-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status
251 - I	View Details	D001	5, 13		Y	Y	Liquid	Off-Site	Active
251 - L	View Details	N/A					Liquid	Off-Site	Active

Back

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Technical inquires to Webmaster.
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Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

January 31, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: *Freedom of Information and Protection of Privacy Act* Request
Our File #: A-2017-09057, Your Reference #: TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 239 Caroline Street North, Hamilton (also historically included 230 Hess Street North).

After a thorough search of the Ministry's Hamilton District Office, West Central Region, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my preliminary decision to provide partial access to the information as the identity of complainants will be removed to protect privacy (Section 21(1)(f) of the Act). As well, any third party related information will require notice to the third party (Section 17(1)(a), (c) of the Act).

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the estimated fee is:

• Search Time 1 hour @ $30/hour	$30.00
• CD	10.00
• Preparation Time approx. 0.16 hour @ $30/hour	4.80
• Delivery	3.00
• **Total**	**$47.80**
• Deposit Received	- 30.00
• **Balance Due**	**$17.80**

Due to the volume, the records will be provided to you electronically on a CD. The Ministry has relied on Order PO-3621 by the Office of the Information and Privacy Commission (IPC) in order to calculate the estimated fees. Order PO-3621 states that the Ministry may charge a preparation fee of $30.00 per hour for every 1,200 pages of scanned records. The breakdown of the approximate preparation fee is as follows: an estimated 0.16 hours to convert approximately 190 pages to electronic format. Please note, that upon completion of the Ministry's review, additional preparation charges may be applied to account for any severances made to the records in accordance with the exemptions under the Act. These severances will be charged at a rate of $30.00 per hour, calculated at a rate of two minutes per page.

In order to receive a copy of the records please forward this amount to our office. You may pay by money order or cheque (made payable to the "Minister of Finance (FOI)") or by credit card. Credit card forms are available on the Ministry's website http://www.ontario.ca/environment-and-energy/freedom-information-request-form. Please do not mail cash.

If payment has not been received within 45 days this file will be closed. When remitting payment, please quote our file number or attach a copy of this letter.

The District Office has advised that there may be records in the Records Centre, Mississauga. To retrieve these files there is a charge of $60.00 with no guarantee that any records will be located responsive to your request. If you would like us to retrieve these files, $60.00 in addition to the above amount is required.

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Sharon Menzies at (416) 327-1429.

Yours truly,

Janet Dadufalza
FOI Manager

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

RECEIVED
FEB 01 2018
FILE NO:

January 26, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: *Freedom of Information and Protection of Privacy Act* Request
Our File #: A-2017-09055, Your Reference #: TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 228 Hess Street North, Hamilton (may also historically have been 184 Barton Street West, 231 Hess Street North and 249 Hess Street North).

After a search of the Ministry's Hamilton District Office, West Central Region, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my preliminary decision to provide partial access to the information as the identity of complainants/personal information will be removed to protect privacy (Section 21(1)(f) of the Act). As well, any third party related information will require notice to the third party (Section 17(1)(a), (c) of the Act).

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the estimated fee is:

• Search Time 2 hours @ $30/hour	$60.00
• CD	10.00
• Preparation Time approx. 0.75 hour @ $30/hour	22.50
• Delivery	3.00
• **Total**	**$95.50**
• Deposit Received	- 30.00
• **Balance Due**	**$65.50**

Due to the volume, the records will be provided to you electronically on a CD. The Ministry has relied on Order PO-3621 by the Office of the Information and Privacy Commission (IPC) in order to calculate the estimated fees. Order PO-3621 states that the Ministry may charge a preparation fee of $30.00 per hour for every 1,200 pages of scanned records. The breakdown of the approximate preparation fee is as follows: an estimated 0.75 hours to convert approximately 900 pages to electronic format. Please note, that upon completion of the Ministry's review, additional preparation charges may be applied to account for any severances made to the records in accordance with the exemptions under the Act. These severances will be charged at a rate of $30.00 per hour, calculated at a rate of two minutes per page.

In order for us to continue processing the request, please forward this amount to our office. You may pay by money order or cheque (made payable to the "Minister of Finance (FOI)") or by credit card. Credit card forms are available on the Ministry's website http://www.ontario.ca/environment-and-energy/freedom-information-request-form. Please do not mail cash.

If payment has not been received within 45 days this file will be closed. When remitting payment, please quote our file number or attach a copy of this letter.

The Environmental Assessment and Permissions Branch has advised that there may be records in the Records Centre, Mississauga. To retrieve these files there is a charge of $60.00 with no guarantee that any records will be located responsive to your request. If you would like us to retrieve these files, $60.00 in addition to the above amount is required.

A request for records must usually be answered within 30 calendar days, however Section 27 allows for time extensions under certain circumstances. The time limit for answering your request has been extended for an additional 90 days after receipt of your deposit. This additional time is required because of the extremely large volume of material to be reviewed and prepared for disclosure.

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Sharon Menzies at (416) 327-1429.

Yours truly,

Janet Dadufalza
FOI Manager

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

RECEIVED
JAN 18
FILE NO:

January 16, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: *Freedom of Information and Protection of Privacy Act* Request
Our File #: A-2017-09051, Your Reference #: TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 178 Barton Street West, Hamilton.

After a thorough search of the Ministry's West Central Regional Office, Hamilton District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide partial access to the attached information as the identity of complainants has been removed to protect privacy (Section 21(1)(f) of the Act).

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, detailed below are our charges:

• Search Time 1 hour @ $30/hour	$ 30.00
• Copying 4 pages @ $0.20/page	$ 0.80
• Delivery	$ 3.00
• **Total**	**$ 33.80**
• Deposit Received	- $ 30.00
• **BALANCE WAIVED (NOT REQUIRED)**	**$ 3.80**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Jenny Lee at jennyyunjeong.lee@ontario.ca.

Yours truly,

For Janet Dadufalza
FOI Manager
Attachments

Ontario

Ministry of the Environment

OCCURENCE REPORT

Location of Occurence:
HAMILTON CITY
178 BARTON ST WEST IMPACTED BY NORTH @239 CAROLINE ST

Source:
B & M METAL RECYCLING
239 CAROLINE ST NORTH HAMILTON
Sector: ME **Source:** OT **SIC:**
UTM:
N: [4787000] **E:** [594000] **Zone:** [17]

Reg: 2 **Dist:** HA **Municipality:** 16101

Entered:	ORIS No.	Abstracts:	Diaries:
1995/05/05 10:59	9520001086	0	1

Received By:		Batch:	I. E. B. No.
HAMILTON DISTRICT		1741	

Occurence Type:	Subtype:	Occurence Date:	1995/05/05
C	04		
Work Plan:	11	**Occurence Time:**	10:40

s.21 [redacted]

Report to MOE : 1995/05/05 10:55
MOE at Scene:
Assigned To: SUZANNE FONTAINE

ERP Contacted:
Callout: [] **NSP:** []
ERP Name:

Postal Code:

Syn: WHITE SMOKE POURING OUT

Brief Summary:
WHITE SMOKE HAS BEEN POURING OUT DOOR FOR AT LEAST LAST 15 MINUTES, HAS A STRONG CHEMICAL ODOUR WHICH GAVE HIS NEIGHBOUR PROBLEMS BREATHING. CALLER CONCERNED ABOUT TOXICITY AND EFFECTS ON HIS KIDS.
*** AB03 B & M METAL RECYCLING ***@ONLY LASTED A SHORT TIME, COULD HAVE BEEN CAUSED BY LOADING DOOR REMAINING OPEN AFTER OPERATION OF FURNACE

If there are related reports, record initial/master ORIS No. here >>

Followup Action: Abatement IEB Other
BF Date:

File Closed: X **Abatement:** IEB Other
Suspected Violation:

Report Prepared By:	Date:	IEB Investigator:	IEB BF Date
SUZANNE FONTAINE	04/07/95		
Approving Officer	**Date:**	**Reviewing Officer:**	**Date**
CARL SLATER	05/07/95		

Specify number(s) for routing Original [ ] [ ] [ ] [ ] **Continued** [ ] **Yes**
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ]

1. Investigator/E.O. 2. D. O. /File 3. SAC (initial spills)
4. Reg. Dir. /_____ Mgr. 5. IEB Reg. Spv 6. IEB H.O./file 7. Other _____

SAC Action Class: 1: 2:

Material 1: **Code :**
Amount : **UN No.:**
Material 2: **Code :**
Amount : **UN No.:**
Material 3: **Code :**

Amount :

UN No.:

Cause. . . . . :

Code. . :

Reason. . . . . :

Code. . :

Person in Control:

Waste GenNum :

Owner . . . . . :

Waste GenNum :

Agencies Involved . . . . :

Clean up and Restoration Carried out by:

[v] Controller [v] Owner [N] Other

% Cleaned up:

Estimated Cost:

Were Directions or Approval Given Under

EPA Part X [v] Regulation 362 [v] Manifest No.

Waste Class :

Code . . :

Hauler :

Code . . :

Disposal Site :

Code . . :

Environmental Impact:

Nature of Impact:

Code . . :

People/Business Damaged

(Other than to Owner/Controller) :

Nature of Damage:

Code . . :

Ontario

Ministry of the Environment

OCCURENCE REPORT

Location of Occurence:
HAMILTON CITY
178 BARTON ST WEST

Reg: 2 **Dist:** HA **Municipality:** 16101

Source:
B & M METAL RECYCLING
239 CAROLINE ST NORTH HAMILTON
Sector: ME **Source:** OT **SIC:**
UTM:
N: [4787000] **E:** [594000] **Zone:** [17]

Entered:	ORIS No.	Abstracts:	Diaries:
1995/06/22 12:47	9520001776	0	1

Received By:		Batch:	I. E. B. No.
HAMILTON DISTRICT		1740	
Occurence Type:	**Subtype:**	**Occurence Date:**	1995/06/22
C	04		
Work Plan:	11	**Occurence Time:**	11:10

s.21 [redacted]

Report to MOE : 1995/06/22 11:10
MOE at Scene:
Assigned To: SUZANNE FONTAINE

ERP Contacted:
Callout: [] **NSP:** []
ERP Name:

Syn: BLACK SMOKE BILLOWING OUT

Brief Summary:
THERE IS BLACK SMOKE BILLOWING OUT OF STACK NEXT TO LARGE STACK@ *** AB03 B & M METAL ***
X-REF 9520001775 - EMISSION WAS RESULT OF A BACKDRAFT @

If there are related reports, record initial/master ORIS No. here >>
Followup Action: Abatement IEB Other
BF Date:

File Closed: X **Abatement:** IEB Other
Suspected Violation:

Report Prepared By:	Date:	IEB Investigator:	IEB BF Date
SUZANNE FONTAINE	29/06/95		
Approving Officer	**Date:**	**Reviewing Officer:**	**Date**
CARL SLATER	29/06/95		

Specify number(s) for routing Original [ ] [ ] [ ] [ ] [ ]
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ] [ ]
Continued [ ] Yes

1. Investigator/E.O. 2. D. O. /File 3. SAC (initial spills)
4. Reg. Dir. /_____ Mgr. 5. IEB Reg. Spv 6. IEB H.O./file 7. Other _____

SAC Action Class: 1: 2:

Material 1: **Code :**
Amount : **UN No.:**
Material 2: **Code :**
Amount : **UN No.:**
Material 3: **Code :**
Amount : **UN No.:**
Cause. . . . . : **Code. . :**

Reason. . . . . :
Code. . :
Person in Control:
Waste GenNum :
Owner . . . . . :
Waste GenNum :
Agencies Involved . . . . :

Clean up and Restoration Carried out by:
[v] Controller [v] Owner [N] Other

% Cleaned up:
Estimated Cost:
Were Directions or Approval Given Under
EPA Part X [v] Regulation 362 [v] Manifest No.

Waste Class :
Code . . :
Hauler :
Code . . :
Disposal Site :
Code . . :
Environmental Impact:
Nature of Impact:
Code . . :

People/Business Damaged
(Other than to Owner/Controller) :
Nature of Damage:
Code . . :

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

RECEIVED
JAN 18 2017
FILE NO:

January 16, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: *Freedom of Information and Protection of Privacy Act* Request
Our File #: A-2017-09050, Your Reference #: TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 176 Barton Street West, Hamilton.

After a thorough search of the Ministry's West Central Regional Office, Hamilton District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide partial access to the attached information as the identity of complainants has been removed to protect privacy (Section 21(1)(f) of the Act).

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, detailed below are our charges:

• Search Time 1 hour @ $30/hour	$ 30.00
• Copying 6 pages @ $0.20/page	$ 1.20
• Delivery	$ 3.00
• **Total**	**$ 34.20**
• Deposit Received	- $ 30.00
• **BALANCE WAIVED (NOT REQUIRED)**	**$ 4.20**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Jenny Lee at jennyyunjeong.lee@ontario.ca.

Yours truly,

FOR Janet Dadufalza
FOI Manager
Attachments

Ontario

Ministry of the Environment

OCCURENCE REPORT

Location of Occurence:
HAMILTON CITY
BARTON ST, BETWEEN CAROLINE & HESS

Reg: 2 **Dist:** HA **Municipality:** 16101

Source:
B & M METAL RECYCLING
239 CAROLINE ST NORTH HAMILTON
Sector: ME **Source:** OT **SIC:**
UTM:
N: [0] **E:** [0] **Zone:** []

Entered: 1995/07/24 11:03
ORIS No. 9520002190
Received By: HAMILTON DISTRICT
Occurence Type: C
Subtype: 02
Work Plan: 11

Abstracts: 0
Diaries: 0
Batch: 1831
I. E. B. No.
Occurence Date: 1995/07/24
Occurence Time: 10:55
Report to MOE : 1995/07/24 10:55
MOE at Scene: 95/10/04
Assigned To: DONNA TYSDALE

s.21 [redacted]

ERP Contacted:
Callout: []
ERP Name:
NSP: []

Syn: CONSTANT POUNDING DAY & NIGHT

Brief Summary:
ONGOING PROBLEM WITH POUNDING - DOESN'T HAPPEN EVERY DAY, BUT SOMETIMES CAN GO UNTIL 02:00 HRS. UNBELIEVABLE AMOUNT OF NOISE, CAN'T BE IN YARD, WAS GOING ON LAST NIGHT UNTIL AFTER MIDNIGHT. CALLER PHONING FOR RESIDENT [redacted] CALLER IDENTIFIED PROPERTY AS CANRON SITE. *** AB03
B & M METAL ***@SITE VISIT, DISCUSSED PROBLEM WITH RAY BELANGER, WHO IS AWARE OF SITUATION & HAS ALREADY ADDRESSED CHANGING TIMING OF CERTAIN OPERATIONS TO PREVENT NOISE OCCURRENCES DURING EVENING, NIGHT & EARLY MORNING

If there are related reports, record initial/master ORIS No. here >>

Followup Action: Abatement IEB Other
BF Date:

File Closed: X **Abatement:** IEB Other
Suspected Violation:

Report Prepared By: DONNA TYSDALE
Date: 05/10/95
IEB Investigator:
IEB BF Date

Approving Officer CARL SLATER
Date: 06/10/95
Reviewing Officer:
Date

Specify number(s) for routing Original [ ] [ ] [ ] [ ]
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ]
Continued [ ] Yes

1. Investigator/E.O. **2. D. O. /File** **3. SAC (initial spills)**
4. Reg. Dir. /_____ Mgr. **5. IEB Reg. Spv** **6. IEB H.O./file** **7. Other _____**

SAC Action Class: 1: 2:

Material 1:
Amount :
Material 2:
Code :
UN No.:
Code :

Amount :
Material 3:
Amount :
Cause. . . . . :
Reason. . . . . :
Person in Control:
Owner . . . . . :
Agencies Involved . . . . :
Clean up and Restoration Carried out by:
[v] Controller [v] Owner [N] Other
% Cleaned up: Estimated Cost:
Were Directions or Approval Given Under
EPA Part X [v] Regulation 362 [v] Manifest No.
Waste Class :
Hauler :
Disposal Site :
Environmental Impact: Nature of Impact:
People/Business Damaged
(Other than to Owner/Controller) :
Nature of Damage:

UN No.:
Code :
UN No.:
Code. . :
Code. . :
Waste GenNum :
Waste GenNum :
Code . . :
Code . . :
Code . . :
Code . . :
Code . . :

Ontario

Ministry of the Environment

OCCURENCE REPORT

Location of Occurence:
HAMILTON CITY
N/W CORNER OF CAROLINE & BARTON

Reg: 2 **Dist:** HA **Municipality:** 16101

Source:
B & M METAL RECYCLING
239 CAROLINE ST NORTH HAMILTON
Sector: ME **Source:** OT **SIC:**
UTM:
N: [] **E:** [] **Zone:** []

Entered:
:

ORIS No.
9320001517

Abstracts:

Diaries:

Received By:
HAMILTON DISTRICT

Batch:
998

I. E. B. No.

Occurence Type:
C

Subtype:
04

Occurence Date: 1993/06/23

Work Plan:

Occurence Time: 13:55

s.21 [redacted]

Report to MOE : 1993/06/23 13:55
MOE at Scene:
Assigned To: SUZANNE FONTAINE

ERP Contacted:
Callout: []
ERP Name:

NSP: []

Postal Code:

Syn: BLACK SMOKE FROM BURNING ELECTRICAL WIRE

Brief Summary:
COMPLNT IS CALLING FOR [redacted] COMPANY ON CORNER RECYCLES ELECTRICAL INSULATORS & BLACK SMOKE POURS OUT OF CHIMNEY. HE HAS TALKED TO COMPANY A NUMBER OF TIMES ABOUT THIS, BUT IT STILL HAPPENS. X-REF 9112854, 9120104000 & 4297 - THESE WERE SENT TO IEB (ATTACHED) **** AB03 B & M METAL RECYCLING **** CONTACT RAY BELANGER OF COMPANY. THERE WAS A 7 MIN INCIDENT YESTERDAY AS ENGINEER WAS TRYING SOME GREASY MAT'L. ADVISED HIM OF NOTIFICATION REQUIRE-MENTS. HE WILL ADVISE ALL STAFF. ADVISED COMPLAINANT OF THE TRIALS & GAVE THEM MY NAME & #.

If there are related reports, record initial/master ORIS No. here >>

Followup Action: Abatement IEB Other
BF Date:

File Closed: X **Abatement:** IEB Other
Suspected Violation:

Report Prepared By:	**Date:**	**IEB Investigator:**	**IEB BF Date**
SUZANNE FONTAINE	24/06/93		
Approving Officer	**Date:**	**Reviewing Officer:**	**Date**
SEAN CAPSTICK	28/06/93		

Specify number(s) for routing Original [ ] [ ] [ ] [ ] **Continued** [ ] **Yes**
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ] [ ]

1. Investigator/E.O. **2. D. O. /File** **3. SAC (initial spills)**
4. Reg. Dir. /_____ Mgr. **5. IEB Reg. Spv** **6. IEB H.O./file** **7. Other _____**

SAC Action Class: 1: 2:

Material 1:
Amount :
Material 2:

Code :
UN No.:
Code :

Amount :
Material 3:
Amount :
UN No.:
Code :
UN No.:

Cause. . . . . :
Reason. . . . . :
Code. . :
Code. . :

Person in Control:
Owner . . . . . :
Agencies Involved . . . . :
Waste GenNum :
Waste GenNum :

Clean up and Restoration Carried out by:
[v] Controller [v] Owner [N] Other

% Cleaned up: Estimated Cost:
Were Directions or Approval Given Under
EPA Part X [v] Regulation 362 [v] Manifest No.

Waste Class :
Hauler :
Disposal Site :
Code . . :
Code . . :
Code . . :

Environmental Impact: Nature of Impact:
Code . . :

People/Business Damaged
(Other than to Owner/Controller) :
Nature of Damage:
Code . . :

Ontario

Ministry of the Environment

OCCURENCE REPORT

Location of Occurence:
HAMILTON CITY
176 BARTON ST WEST

Reg: 2 **Dist:** HA **Municipality:** 16101

Source:
HAMILTON IRON & METAL
239 CAROLINE ST N HAMILTON
Sector: ME **Source:** OP **SIC:** 2900
UTM:
N: [] **E:** [] **Zone:** []

Entered: :
ORIS No. 9020100970
Abstracts:
Diaries:

Received By: HAMILTON DISTRICT
Batch:
I. E. B. No.

Occurence Type: C
Subtype: 02
Occurence Date: 1990/09/14

Work Plan:
Occurence Time: :

s.21 [redacted]

Report to MOE : 1990/09/14 10:30
MOE at Scene: :
Assigned To: MARK DUNN

ERP Contacted: :
Callout: []
ERP Name:
NSP: [N]

Syn: HIGH PITCHED HUM

Brief Summary:
COMPLNT CALLING FOR PARENTS, WHO HAVE NOTICED A HIGH PITCHED HUM OVER THE LAST MONTH, WHICH IS BECOMING LOUDER - CAN'T SLEEP AT NIGHT.

If there are related reports, record initial/master ORIS No. here >>

Followup Action: Abatement IEB Other
BF Date:

File Closed: Abatement: IEB Other
Suspected Violation:

Report Prepared By: **Date:** **IEB Investigator:** **IEB BF Date**

Approving Officer **Date:** **Reviewing Officer:** **Date**

Specify number(s) for routing Original [ ] [ ] [ ] [ ]
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ]
Continued [ ] Yes

1. Investigator/E.O.
2. D. O. /File
3. SAC (initial spills)
4. Reg. Dir. /_____ Mgr.
5. IEB Reg. Spv
6. IEB H.O./file
7. Other _____

SAC Action Class: 1: 2:

Material 1: **Code :**
Amount : **UN No.:**
Material 2: **Code :**
Amount : **UN No.:**
Material 3: **Code :**
Amount : **UN No.:**
Cause. . . . . : **Code. . :**

Reason. . . . . :
Code. . :
Person in Control:
Waste GenNum :
Owner . . . . . :
Waste GenNum :
Agencies Involved . . . . :

Clean up and Restoration Carried out by:
[v] Controller [v] Owner [N] Other

% Cleaned up:
Estimated Cost:
Were Directions or Approval Given Under
EPA Part X [v] Regulation 362 [v] Manifest No.

Waste Class :
Code . . :
Hauler :
Code . . :
Disposal Site :
Code . . :
Environmental Impact:
Nature of Impact:
Code . . :

People/Business Damaged
(Other than to Owner/Controller) :
Nature of Damage:
Code . . :

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

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Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

RECEIVED
JAN 18 2017
FILE NO:

January 16, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: *Freedom of Information and Protection of Privacy Act* Request
Our File #: A-2017-09045, Your Reference #: TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 166 Barton Street West, Hamilton.

After a thorough search of the Ministry's West Central Regional Office, Hamilton District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide partial access to the attached information as the identity of complainants has been removed to protect privacy (Section 21(1)(f) of the Act). Certain confidential proprietary information of third parties has also been removed from the records (section 17(1) of the Act).

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, detailed below are our charges:

• Search Time 1 hour @ $30/hour	$ 30.00
• Copying 4 pages @ $0.20/page	$ 0.80
• Delivery	$ 3.00
• **Total**	**$ 33.80**
• Deposit Received	- $ 30.00
• **BALANCE WAIVED (NOT REQUIRED)**	**$ 3.80**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Jenny Lee at jennyyunjeong.lee@ontario.ca.

Yours truly,

FOI Janet Dadufalza
FOI Manager
Attachments

Ontario

Ministry of the Environment

OCCURENCE REPORT

Location of Occurence:
HAMILTON CITY
166 BARTON STREET WEST - WEST OF BAY

Reg: 2 **Dist:** HA **Municipality:** 16101

Source:
RHEEM CANADA
128 BARTON STREET WEST HAMILTON
Sector: Source: SIC:
UTM:
N: [] **E:** [] **Zone:** []

Entered: :
ORIS No. 9120102590
Abstracts:
Diaries:

Received By: HAMILTON DISTRICT
Batch:
I. E. B. No.

Occurence Type: C
Subtype: 02
Occurence Date: 1991/07/17

Work Plan:
Occurence Time: :

Report to MOE : 1991/07/17 10:05
MOE at Scene: 91/09/24 10:15
Assigned To: GERRY MARCOTTE

s.21 [redacted]

ERP Contacted:
Callout: []
ERP Name:
NSP: []

Syn: NOISE INCREASING

Brief Summary:
SINCE RHEEM TOOK OVER THIS SITE, NOISE HAS INCREASED STEADILY (LAST 2 YRS) USUALLY UNTIL 11 P.M. & OVERTIME. THEY WERE SUPPOSED TO GET A NEW FURNACE BUT RUMBLING IS WORSE & FANS ARE HUMMING.
VISITED SITE, ABSORBING CURTAINS HAVE BEEN INSTALLED TO REDUCE NOISE.TALKEDTO RAY MITIC OF RHEEM WHO
s.17 DOESN'T FEEL THERE IS A NOISE PROBLEM. 91/11/05: RE-INSPECTED - COMPANY [redacted]
[redacted] HERE'LL BE NO AFTERNOON SHIFT

If there are related reports, record initial/master ORIS No. here >>
Followup Action: Abatement IEB Other
BF Date:

File Closed: X **Abatement: IEB Other**
Suspected Violation:

Report Prepared By:	**Date:**	**IEB Investigator:**	**IEB BF Date**
GERRY MARCOTTE	06/11/91		
Approving Officer	**Date:**	**Reviewing Officer:**	**Date**
CARL SLATER	04/02/92		

Specify number(s) for routing Original [ ] [ ] [ ] [ ] [ ]
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ] [ ]
Continued [ ] **Yes**

1. Investigator/E.O. **2. D. O. /File** **3. SAC (initial spills)**
4. Reg. Dir. /_____ Mgr. **5. IEB Reg. Spv** **6. IEB H.O./file** **7. Other _____**

SAC Action Class: 1: 2:

Material 1: **Code :**
Amount : **UN No.:**
Material 2: **Code :**
Amount : **UN No.:**

Material 3: Code :
Amount : UN No.:
Cause. . . . . : Code. . :
Reason. . . . . : Code. . :
Person In Control: Waste GenNum :
Owner . . . . . : Waste GenNum :
Agencies Involved . . . . :
Clean up and Restoration Carried out by:
[v] Controller [v] Owner [N] Other

% Cleaned up: Estimated Cost:
Were Directions or Approval Given Under
EPA Part X [v] Regulation 362 [v] Manifest No.

Waste Class : Code . . :
Hauler : Code . . :
Disposal Site : Code . . :
Environmental Impact: Nature of Impact:
Code . . :
People/Business Damaged
(Other than to Owner/Controller) :
Nature of Damage: Code . . :

Ontario

Ministry of the Environment

OCCURENCE REPORT

Location of Occurence:
HAMILTON CITY
166 BARTON STREET WEST - WEST OF BAY

Reg: 2 **Dist:** HA **Municipality:** 16101

Source:
RHEEM CANADA
128 BARTON STREET WEST HAMILTON
Sector: Source: SIC:
UTM:
N: [] **E:** [] **Zone:** []

Entered: :
ORIS No. 9120102590
Abstracts:
Diaries:

Received By: HAMILTON DISTRICT
Batch:
I. E. B. No.

Occurence Type: C
Subtype: 02
Occurence Date: 1991/07/17

Work Plan:
Occurence Time: :

s.21 [redacted]

Report to MOE : 1991/07/17 10:05
MOE at Scene: 91/09/24 10:15
Assigned To: GERRY MARCOTTE

ERP Contacted:
Callout: []
ERP Name:
NSP: []

Postal Code:

Syn: NOISE INCREASING

Brief Summary:

s.17 SINCE RHEEM TOOK OVER THIS SITE, NOISE HAS INCREASED STEADILY (LAST 2 YRS) USUALLY UNTIL 11 P.M. & OVERTIME. THEY WERE SUPPOSED TO GET A NEW FURNACE BUT RUMBLING IS WORSE & FANS ARE HUMMING. VISITED SITE, ABSORBING CURTAINS HAVE BEEN INSTALLED TO REDUCE NOISE.TALKEDTO RAY MITIC OF RHEEM,WHO DOESN'T FEEL THERE IS A NOISE PROBLEM. 91/11/05: RE-INSPECTED - [redacted] HERE'LL BE NO AFTERNOON SHIFT

If there are related reports, record initial/master ORIS No. here >>

Followup Action: Abatement IEB Other
BF Date:

File Closed: X **Abatement: IEB Other**
Suspected Violation:

Report Prepared By: GERRY MARCOTTE
Date: 06/11/91
IEB Investigator:
IEB BF Date

Approving Officer CARL SLATER
Date: 04/02/92
Reviewing Officer:
Date

Specify number(s) for routing Original [ ] [ ] [ ] [ ]
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ]
Continued [ ] **Yes**

1. Investigator/E.O. **2. D. O. /File** **3. SAC (Initial spills)**
4. Reg. Dir. /_____ Mgr. **5. IEB Reg. Spv** **6. IEB H.O./file** **7. Other _____**

SAC Action Class: 1: 2:

Material 1:
Amount :
Material 2:
Amount :
Code :
UN No.:
Code :
UN No.:

Material 3: Code :
Amount : UN No.:
Cause. . . . . : Code. . :
Reason. . . . . : Code. . :
Person in Control: Waste GenNum :
Owner . . . . . : Waste GenNum :
Agencies Involved . . . . :
Clean up and Restoration Carried out by:
[v] Controller [v] Owner [N] Other

% Cleaned up: Estimated Cost:
Were Directions or Approval Given Under
EPA Part X [v] Regulation 362 [v] Manifest No.

Waste Class : Code . . :
Hauler : Code . . :
Disposal Site : Code . . :
Environmental Impact: Nature of Impact:
Code . . :

People/Business Damaged
(Other than to Owner/Controller) :
Nature of Damage: Code . . :

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

RECEIVED
FEB 0 9 2018
FILE NO:

January 31, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: *Freedom of Information and Protection of Privacy Act* Request
Our File #: A-2017-09042, Your Reference #: TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 128 Barton Street West, Hamilton.

After a thorough search of the Ministry's Hamilton District Office, West Central Region, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my preliminary decision to provide partial access to the information as the identity of complainants will be removed to protect privacy (Section 21(1)(f) of the Act). As well, any third party related information will require notice to the third party (Section 17(1)(a), (c) of the Act).

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the estimated fee is:

• Search Time 2 hours @ $30/hour	$60.00
• CD	10.00
• Preparation Time approx. 0.73 hour @ $30/hour	21.90
• Delivery	3.00
• **Total**	**$94.90**
• Deposit Received	- 30.00
• **Balance Due**	**$64.90**

Due to the volume, the records will be provided to you electronically on a CD. The Ministry has relied on Order PO-3621 by the Office of the Information and Privacy Commission (IPC) in order to calculate the estimated fees. Order PO-3621 states that the Ministry may charge a preparation fee of $30.00 per hour for every 1,200 pages of scanned records. The breakdown of the approximate preparation fee is as follows: an estimated 0.73 hours to convert approximately 875 pages to electronic format. Please note, that upon completion of the Ministry's review, additional preparation charges may be applied to account for any severances made to the records in accordance with the exemptions under the Act. These severances will be charged at a rate of $30.00 per hour, calculated at a rate of two minutes per page.

In order to receive a copy of the records please forward this amount to our office. You may pay by money order or cheque (made payable to the "Minister of Finance (FOI)") or by credit card. Credit card forms are available on the Ministry's website http://www.ontario.ca/environment-and-energy/freedom-information-request-form. Please do not mail cash.

If payment has not been received within 45 days this file will be closed. When remitting payment, please quote our file number or attach a copy of this letter.

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Sharon Menzies at (416) 327-1429.

Yours truly,

Janet Dadufalza
FOI Manager

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

RECEIVED
FEB 05 2018
FILE NO:

February 1, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: *Freedom of Information and Protection of Privacy Act* Request
Our File #: A-2017-09040, Your Reference #: TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 115 to 125 Barton Street West, Hamilton (ODD #s only).

After a thorough search of the Ministry's Hamilton District Office, West Central Region, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my preliminary decision to provide partial access to the information as the identity of complainants will be removed to protect privacy (Section 21(1)(f) of the Act). As well, any third party related information will require notice to the third party (Section 17(1)(a), (c) of the Act).

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the estimated fee is:

• Search Time 1 hour @ $30/hour	$30.00
• CD	10.00
• Preparation Time approx. 0.26 hour @ $30/hour	7.80
• Delivery	3.00
• **Total**	**$50.80**
• Deposit Received	- 30.00
• **Balance Due**	**$20.80**

Due to the volume, the records will be provided to you electronically on a CD. The Ministry has relied on Order PO-3621 by the Office of the Information and Privacy Commission (IPC) in order to calculate the estimated fees. Order PO-3621 states that the Ministry may charge a preparation fee of $30.00 per hour for every 1,200 pages of scanned records. The breakdown of the approximate preparation fee is as follows: an estimated 0.26 hours to convert approximately 313 pages to electronic format. Please note, that upon completion of the Ministry's review, additional preparation charges may be applied to account for any severances made to the records in accordance with the exemptions under the Act. These severances will be charged at a rate of $30.00 per hour, calculated at a rate of two minutes per page.

In order to receive a copy of the records please forward this amount to our office. You may pay by money order or cheque (made payable to the "Minister of Finance (FOI)") or by credit card. Credit card forms are available on the Ministry's website http://www.ontario.ca/environment-and-energy/freedom-information-request-form. Please do not mail cash.

If payment has not been received within 45 days this file will be closed. When remitting payment, please quote our file number or attach a copy of this letter.

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Sharon Menzies at (416) 327-1429.

Yours truly,

Janet Dadufalza
FOI Manager

Ministry of the Environment and Climate Change

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de l'Action en matière de changement climatique

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc.: (416) 314-4285

Ontario

RECEIVED
JAN 16 2017
FILE NO:

January 15, 2018

Kate Slaman
Amec Foster Wheeler Environment & Infrastructure
3450 Harvester Rd, Suite 100
Burlington, ON L7N 3W5

Dear Kate Slaman:

RE: *Freedom of Information and Protection of Privacy Act* Request
Our File #: A-2017-09041, Your Reference #: TB171019

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 112 Barton Street West, Hamilton.

After a thorough search of the Ministry's West Central Regional Office, Hamilton District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide full access to the attached information.

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, detailed below are our charges:

• Search Time 1 hour @ $30/hour	$ 30.00
• Copying 18 pages @ $0.20/page	$ 3.60
• Delivery	$ 3.00
• **Total**	**$ 36.60**
• Deposit Received	- $ 30.00
• **BALANCE WAIVED (NOT REQUIRED)**	**$ 6.60**

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Jenny Lee at jennyyunjeong.lee@ontario.ca.

Yours truly,

FOR Janet Dadufalza
FOI Manager

Attachments

Ontario

Ministry of the Environment
Ministère de l'Environnement

CERTIFICATE OF APPROVAL
AIR
NUMBER 6953-7TRKWM
Issue Date: July 9, 2009

Joseph Varga
112 Barton Street West
Hamilton, Ontario
L8L 1A8

Site Location: 112 Barton Street West
Hamilton, Ontario
L8L 1A8

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) paint spray booth for the application of solvent and water based coatings at a maximum rate of 1.5 litres per hour, equipped with 4.12 square metres of dry type paint arrestor filters, exhausting into the atmosphere at a volumetric flow rate of 4.25 cubic metres per second, through two (2) stacks, each having exit dimensions of 0.61 metre by 0.61 metre, extending 2.0 metres above the roof and 6.27 metres above grade;

all in accordance with the Application for Approval (Air & Noise) dated April 30, 2009 and signed by Joe Varga, Owner, Joseph Varga and all supporting information associated with the application provided by John Norris, HARA.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

(1) "Act" means the *Environmental Protection Act;*

(2) "Approved Automotive Refinish Coatings" means automotive refinish coatings that comply with the VOC content limits indicated in Section 3.2.1 *VOC Content Limits* of the National Standards;

(3) "CCME Guideline" means the document entitled "National Standards and Guidelines for the Reduction of Volatile Organic Compounds from Canadian Commercial/Industrial Surface Coating Operations-Automotive Refinishing, October 1998, PN 1278", as amended, and published by the Canadian Council of Ministers of the Environment;

(4) "Certificate" means this Certificate of Approval issued in accordance with Section 9 of the Act;

(5) "District Manager" means the District Manager, Hamilton District Office, West-Central Region of the

Ministry;

(6) "Equipment" means the paint spray booth described in the Owner's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;

(7) "Facility" means the entire operation located on the property where the Equipment is located;

(8) "High Efficiency-type Paint Spray System" means equipment used for the application of automotive refinish coatings conforming to Section 3.4 *Application Equipment* of the CCME Guideline;

(9) "Manual" means a document or a set of documents that provide written instructions to staff of the Owner;

(10) "Ministry" means the Ontario Ministry of the Environment;

(11) "National Standards" means the document entitled "National Standards for the Volatile Organic Compound Content of Canadian Commercial/Industrial Surface Coating Products Automotive Refinishing, October 1998, PN 1288" and published by the Canadian Council of Ministers of the Environment;

(12) "Owner" means Joseph Varga, and includes its successors and assignees;

(13) "Point of Reception" means any point on the premises of a person where sound or vibration originating from other than those premises is received.

For the purpose of verifying compliance with Section 9 of the Act, the Point of Reception may be located on any of the following existing or zoned for future use premises: permanent or seasonal residences, hotels/motels, nursing/retirement homes, rental residences, hospitals, camp grounds, and noise sensitive buildings such as schools and places of worship.

For equipment/facilities proposed on premises such as nursing/retirement homes, rental residences, hospitals, and schools, the Point of Reception may be located on the same premises;

(14) "Publication NPC-205" means Ministry Publication NPC-205 "Sound level Limits for Stationary Sources in Class 1 & 2 Areas (Urban)", October 1995;

(15) "Publication NPC-232" means Ministry Publication NPC-232 "Sound Level Limits for Stationary Sources in Class 3 Areas (Rural)", October 1995; and

(16) "Trained" and "Training" refers to a training program which conforms with Section 4.3 *Training* of the CCME Guideline.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

GENERAL

1. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Equipment in accordance with the description given in this Certificate, application for approval of the Equipment and the submitted supporting documents and plans and specifications as listed in this Certificate.

2. Where there is a conflict between a provision of any submitted document referred to in this Certificate and the Conditions of this Certificate, the Conditions in this Certificate shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

OPERATION AND MAINTENANCE

3. The Owner shall ensure that the Equipment is properly operated and maintained at all times. The Owner shall:

(1) prepare, not later than three (3) months after the date of this Certificate, and update as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:

(a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;

(b) emergency procedures;

(c) list of Trained personnel responsible for the operation and maintenance of the Facility;

(d) procedures for any record keeping activities relating to operation and maintenance of the Equipment;

(e) a regular maintenance program for each booth fan, including but not limited to cleaning and balancing of the fan blades, to ensure the fan noise emissions do not exceed at any time the levels specified in Publication NPC-205 or NPC-232 as applicable;

(f) the frequency of inspection and replacement of the filter material in the Equipment;

(g) procedures for recording and responding to environmental complaints; and

(h) appropriate measures to minimize emissions from all potential sources;

(2) implement the recommendations of the operating and maintenance Manual;

(3) ensure that all surface coating operations are performed using a High Efficiency-type Paint Spray System;

(4) ensure that all surface coating operations are performed using Approved Automotive Refinish Coatings;

(5) ensure that operators involved in the application of automotive refinish coatings receive Training in the proper use of High Efficiency-type Paint Spray Systems; and

(6) Implement the provisions of Section 4.0 *Codes of Good Practice* and Section 5.0 *Check List for Good Practices for Automotive Refinish Facilities* of the CCME Guideline.

RECORD RETENTION

4. The Owner shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Certificate. These records as well as the Manual shall be made available to staff of the Ministry upon request. The Owner shall retain:

   (1) all records on the maintenance, repair and inspection of the Equipment; and

   (2) all records on the environmental complaints, including:

      (a) a description, time and date of each incident;

      (b) operating conditions (e.g. the product name(s) of the Approved Automotive Refinish Coating being sprayed, any upset conditions, etc.) at the time of the incident; and

      (c) a description of the measures taken to address the cause of the incident and to prevent a similar occurrence in the future.

NOTIFICATION OF COMPLAINTS

5. The Owner shall notify the District Manager, in writing, of each environmental complaint and the measures taken to address the cause of the complaint within five (5) business days of the complaint.

PERFORMANCE

6. The Owner shall ensure that the noise emissions from the Equipment comply with the limits set in Publication NPC-205 or NPC-232 as applicable.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition Nos. 1 and 2 are imposed to ensure that the Equipment is built and operated in the manner in which it was described for review and upon which approval was granted. These conditions are also included to emphasize the precedence of Conditions in the Certificate and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.

2. Condition No. 3 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.

3. Condition No. 4 is included to require the Owner to keep records and provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

4. Condition No. 5 is included to require the Owner to notify staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

5. Condition No. 6 is included to provide minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Facility/Equipment.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner,

within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary* Environmental Review Tribunal 655 Bay Street, 15th Floor Toronto, Ontario M5G 1E5	AND	The Environmental Commissioner 1075 Bay Street, 6th Floor Suite 605 Toronto, Ontario M5S 2B1	AND	The Director Section 9, *Environmental Protection Act* Ministry of the Environment 2 St. Clair Avenue West, Floor 12A Toronto, Ontario M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca , you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 9th day of July, 2009

Zafar Bhatti

Zafar Bhatti, P.Eng.
Director
Section 9, *Environmental Protection Act*

NB/
c: District Manager, MOE Hamilton - District
John Norris, HARA

Ontario

Ministry of the Environment and Climate Change
Ministère de l'Environnement et de l'Action en matière de changement climatique

RECORD OF SITE VISIT

Reference Number:	1240-9X3GRS	**File Storage Number:**	SI
Module:	Inspections	**Module Type:**	Compliance Summary
Cross Reference:	(doc link)	**Task Link:**	0576-9X3GSD
Originating Document:		**Created by:**	Amanda Knapper
Date Created:	2015/06/01	**Date Completed:**	2015/08/28
Bring Forward Date:		**Bring Forward Reason:**	
Status:	Final Signed-Off		
Program	Compliance Summary	**Activity:**	Inspections – Cross Program

Client(s)

Client Details

Joseph Varga, Business/Facility Name:
Mailing Address: 112 Barton St W, Hamilton, Ontario, Canada, L8L 1A8
Physical Address: Lot: , Part: , 112 Barton St W, Hamilton, City, Ontario, Canada, L8L 1A8
Telephone: (905)529-3673, FAX: (905)529-3673
Client #: 1452-7SFSNW, Client Type: Individual

\+ + + +

City of Hamilton, Business/Facility Name:
Mailing Address: 2620 Bristol Circle Cir #100, Oakville, Ontario, Canada, L6H 6Z7
Physical Address: Lot: , Part: , 75 Main St W, Hamilton, City, Ontario, Canada
Telephone: (905)546-2424, Extension: 7003, FAX: (905)979-0603, email: kevin.berry@hamilton.ca
Client #: 1563-5DNJD9, Client Type: Municipal Government

Site(s)

Site Details

112 Barton Street West
Address: 112 Barton St W, Hamilton, City, L8L 1A8
District Office: Hamilton - District
LIO GeoReference: Zone: 17, UTM Easting: 591649.25, UTM Northing: 4790922.0, Latitude: 43.265537, Longitude: -79.87071
Site #: 4695-7SFSQC

General

Date of Last Inspection:		**Inspection Due Date:**	2016/03/31
Inspection Start Date:	2015/08/12	**Inspection Finish Date:**	2015/08/12
Inspection Pass/Fail:	Pass	**Risk Score:**	
With Minor Admin Violation:	No	**IJM Score:**	B0
Site Region:	West Central		
File Review:			

Comments:

Compliance Level	IJM Score
In Compliance	A0 to F0
In Compliance with Comments	A1, B1 and C1
Significant Non-Compliance	Other than above

Inspection Time Of Day

Inspection Time of Day

Indicate if this inspection was conducted during a week day (normal hours) or during an evening, night, weekend or holiday (after hours)

● Normal Hours Inspection ○ After Hours Inspection

Risk Assessment

Plan Category Planned **Fiscal year** 2015/2016

Media Multimedia

Facility Selection Rationale

Anticipated	Actual	
☐ HE	☐ HE	A: Known Significant Human Health and/or Environmental Impact/Impairment
☐ CV	☐ CV	A: Previous Record of Convictions/Charges Laid (Non-Administrative)
☐ NC	☐ NC	A: A Record of Significant (Non-Administrative) Non-Compliance
☐ DI	☐ DI	A: Lack of Demonstrated Improvement towards Compliance/Remediation (an outright failure (non-administrative) in previous inspection where compliance has not been achieved.
☐ AN	☐ AN	B: Human Health and/or Environmental Impairment is Anticipated/Suspected.
☐ VS	☐ VS	B: Violation of a Legal Requirement is Suspected (with human health and/or environmental impact.
☐ BP	☐ BP	B: Nature of Site Operations/Business Represent an Inherent Level of Risk (where impact to human health and/or environment is anticipated due to nature of site/Facility Processes and Waste Streams and/or Discharges)
☐ ES	☐ ES	B: Emerging Sectors (where knowledge is limited but concern for environmental impacts exists)
☒ UK	☒ UK	C: Risk Unknown/New Facility and/or General Deterrent
☐ CP	☐ CP	C: Corporate Priority
☐ LP	☐ LP	C: Low Priority

Risk Category Anticipated C: Unknown Risk to Human Health or Environment

Risk Category Actual C: Unknown Risk to Human Health or Environment

Reason for Risk Change

Risk Change Discussed with and Approved by District Manager

Why were changes made to Risk Information?

Ontario

Ministry of the Environment and Climate Change
Ministère de l'Environnement et de l'Action en matière de changement climatique

Compliance Summary Inspection Report

Client:	Joseph Varga Mailing Address: 112 Barton St W, Hamilton, Ontario, Canada, L8L 1A8 Physical Address: 112 Barton St W, Hamilton, City, Ontario, Canada, L8L 1A8 Telephone: (905)529-3673, FAX: (905)529-3673 Client #: 1452-7SFSNW, Client Type: Individual + + + + City of Hamilton Mailing Address: 2620 Bristol Circle Cir #100, Oakville, Ontario, Canada, L6H 6Z7 Physical Address: 75 Main St W, Hamilton, City, Ontario, Canada Telephone: (905)546-2424, Extension: 7003, FAX: (905)979-0603, email: kevin.berry@hamilton.ca Client #: 7264-9UQP9Y, Client Type: Municipal Government		
Inspection Site Address:	112 Barton Street West Address: 112 Barton St W, Hamilton, City, L8L 1A8 District Office: Hamilton - District LIO GeoReference: Zone: 17, UTM Easting: 591649.25, UTM Northing: 4790922.0, Latitude: 43.265537, Longitude: -79.87071 Site #: 4695-7SFSQC		
Contact Name:	Joseph Varga	**Title:**	
Contact Telephone:	(905)529-3673 **ext**	**Contact Fax:**	
Last Inspection Date:			
Inspection Start Date:	2015/08/12	**Inspection Finish Date:**	2015/08/12
Region:	West Central		

1.0 INTRODUCTION

On June 15, 2015, Michael Durst, Provincial Officer with the Ministry of the Environment and Climate Change (MOECC) conducted an environmental inspection at 112 Barton Street West in the City of Hamilton.

2.0 INSPECTION OBSERVATIONS

Joseph Varga operated a paint spray booth at 112 Barton Street West in the City of Hamilton. The site is no longer operational and no contact can be made with Mr. Varga.

In 2010 the site was sold the City of Hamilton.

The site is fenced and only a small home and the garage that contained the paint spray booth remain. No residual wastes from the operation were observed on the property. The building was not accessible.

2.1 AREA OF FOCUS

This inspection is being conducted under the following Ministry of Environment and Climate Change program(s) and/or activities:

Air

Other

Specifics:

2.2 COMPLIANCE OVERVIEW

Approval(s) and/or permit(s)
The site is no longer operational but still has a valid ECA # 6953-7TRKWM for the onsite paint spray booth.

The City of Hamilton has not notified the ministry of the change of ownership at the site.

If the City of Hamilton is not going to operate the onsite paint spray booth or sell the property for use, then ECA # 6953-7TRKWM should be revoked.

Specifics:

3.0 REVIEW OF PREVIOUS NON-COMPLIANCE ISSUES

Specifics:

4.0 SUMMARY OF INSPECTION FINDINGS (HEALTH/ENVIRONMENTAL IMPACT)

Was there any indication of a known or anticipated human health impact during the inspection and/or review of relevant material, related to this Ministry's mandate?
No

Specifics:

Was there any indication of a known or anticipated environmental impact during the inspection and/or review of relevant material ?
No

Specifics:

Was there any indication of a known or suspected violation of a legal requirement during the inspection and/or review of relevant material which could cause a human health impact or environmental impairment ?
No

Specifics:

Was there any indication of a potential for environmental impairment during the inspection and/or the review of relevant material ?
No

Specifics:

Was there any indication of minor administrative non-compliance?
No

Specifics:

5.0 ACTION(S) REQUIRED

If the City of Hamilton is not going to operate the onsite paint spray booth or sell the property for use, then ECA # 6953-7TRKWM should be revoked.

6.0 OTHER INSPECTION FINDINGS

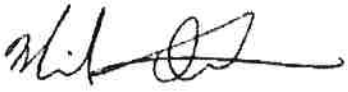
Specifics:

7.0 INCIDENT REPORT

Not Applicable

8.0 ATTACHMENTS

PREPARED BY:
Environmental Officer:
Name: **Michael Durst**
District Office: **Hamilton District Office**
Date: **2015/08/21**
Signature



REVIEWED BY:
District Supervisor:
Name: **John Beals**
District Office: **Hamilton District Office**
Date: **2015/08/28**

Signature:

File Storage Number: SI

Note:
This inspection report does not in any way suggest that there is or has been compliance with applicable legislation and regulations as they may apply to this facility. It is, and remains, the responsibility of the owner and/or the operating authority to ensure compliance with all applicable legislative and regulatory requirements.

SI HWHA BA 210

Ministry of the Environment
Environmental Assessment and
Approvals Branch
Floor 12A
2 St Clair Ave W
Toronto ON M4V 1L5
Fax: (416)314-8452
Telephone: (416) 314-8172

Ministère de l'Environnement
Direction des évaluations et des
autorisations environnementales
Étage 12A
2 av St Clair O
Toronto ON M4V 1L5
Télécopieur : (416)314-8452
Téléphone : (416) 314-8172

Ontario

July 10, 2009

Joseph Varga, Owner
Joseph Varga
112 Barton Street West
Hamilton, Ontario
L8L 1A8

Dear Sir/Madam:

Re: Application for Approval of Air
e-Submission - PSB on 112 Barton Street West
Hamilton City
MOE Reference Number 9713-7S2KUB

Please find enclosed the Certificate of Approval (Air) for the above noted application.

The application indicates that you have already begun operating the paint spray booth. We note that this activity has taken place in contravention of subsection 9(1) of the *Environmental Protection Act* , R.S.O. 1990 (Act). Our local district office may contact you in regards to this matter.

We also note that the issuance of the above certificate does not absolve you of liability for having started the operation of the paint spray booth before we issued a certificate of approval.

Based on our technical evaluation and the information submitted with your application, the Equipment is capable of operating within this Ministry's requirements.

However, the use of dispersion in lieu of a positive method of odour control may, under certain atmospheric conditions, result in odour problems off the property. Odour is a contaminant, emissions of which may result in an adverse effect, which is a violation of section 14 of the *Environmental Protection Act* , R.S.O. 1990 (Act). Therefore, you should exercise all reasonable care to prevent such occurrences, including developing procedures to ensure that operators involved in the application of automotive refinish coatings are trained in the proper use of high efficiency-type paint spray systems. Training should be provided by an industry association representative or their approved contractor, a high efficiency-type paint spray system supplier or an automotive refinish coatings manufacturer or their delivery agent.

Furthermore, this ministry has identified a potential concern with isocyanate emissions from the Equipment. The ministry has set a new lower standard for this chemical in Schedule 2 and 3 of O. Reg. 419/05 which will be implemented in 2010 and 2020, respectively. In the interim period, contaminants should not be emitted at a level that results in a concentration exceeding the Schedule 1, Ministry Point of Impingement Guidelines and Ambient Air Quality Criteria, or in the absence of a POI limit the Upper Risk Threshold Values listed in Schedule 6 of O. Reg. 419/05. If at any time any of these criteria are exceeded, the owner must notify the ministry and appropriate actions must be taken in accordance with ss. 28 and 30 of O. Reg. 419/05.

One of the conditions of this Certificate of Approval is to implement the provisions of Section 4.0 Codes of Good Practice and Section 5.0 Check List for Good Practices for Automotive Refinish Facilities of the CCME Guideline entitled "National Standards and Guidelines for the Reduction of Volatile Organic Compounds from Canadian Commercial/Industrial Surface Coating Operations - Automotive Refinishing". This document can be purchased from the Canadian Council of Ministers of the Environment website http://www.ccme.ca or by contacting a customer service representative at 1-800-805-3025. This document can also be requested through your local public library.

We emphasize that if, at any time, emissions from the Equipment contravene any part of the Act, Regulation 419, or any conditions included in the above noted Certificate, such contravention may become the subject of enforcement in accordance with section 186 of the Act. In addition, the Director may amend or revoke the above noted Certificate in accordance with his powers under the Act.

If you have any questions regarding the above, please contact me at the above phone number.

Yours truly,

Zafar Bhatti

Zafar Bhatti, P.Eng.
Director
Section 9, Environmental Protection Act

c: District Manager, MOE Hamilton - District
John Norris, HARA

Ontario

Ministry of the Environment
Ministère de l'Environnement

CERTIFICATE OF APPROVAL
AIR
NUMBER 6953-7TRKWM
Issue Date: July 9, 2009

Joseph Varga
112 Barton Street West
Hamilton, Ontario
L8L 1A8

Site Location: 112 Barton Street West
Hamilton, Ontario
L8L 1A8

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) paint spray booth for the application of solvent and water based coatings at a maximum rate of 1.5 litres per hour, equipped with 4.12 square metres of dry type paint arrestor filters, exhausting into the atmosphere at a volumetric flow rate of 4.25 cubic metres per second, through two (2) stacks, each having exit dimensions of 0.61 metre by 0.61 metre, extending 2.0 metres above the roof and 6.27 metres above grade;

all in accordance with the Application for Approval (Air & Noise) dated April 30, 2009 and signed by Joe Varga, Owner, Joseph Varga and all supporting information associated with the application provided by John Norris, HARA.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

(1) "Act" means the *Environmental Protection Act;*

(2) "Approved Automotive Refinish Coatings" means automotive refinish coatings that comply with the VOC content limits indicated in Section 3.2.1 *VOC Content Limits* of the National Standards;

(3) "CCME Guideline" means the document entitled "National Standards and Guidelines for the Reduction of Volatile Organic Compounds from Canadian Commercial/Industrial Surface Coating Operations-Automotive Refinishing, October 1998, PN 1278", as amended, and published by the Canadian Council of Ministers of the Environment;

(4) "Certificate" means this Certificate of Approval issued in accordance with Section 9 of the Act;

(5) "District Manager" means the District Manager, Hamilton District Office, West-Central Region of the Ministry;

(6) "Equipment" means the paint spray booth described in the Owner's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;

(7) "Facility" means the entire operation located on the property where the Equipment is located;

(8) "High Efficiency-type Paint Spray System" means equipment used for the application of automotive refinish coatings conforming to Section 3.4 *Application Equipment* of the CCME Guideline;

(9) "Manual" means a document or a set of documents that provide written instructions to staff of the Owner;

(10) "Ministry" means the Ontario Ministry of the Environment;

(11) "National Standards" means the document entitled "National Standards for the Volatile Organic Compound Content of Canadian Commercial/Industrial Surface Coating Products Automotive Refinishing, October 1998, PN 1288" and published by the Canadian Council of Ministers of the Environment;

(12) "Owner" means Joseph Varga, and includes its successors and assignees;

(13) "Point of Reception" means any point on the premises of a person where sound or vibration originating from other than those premises is received.

For the purpose of verifying compliance with Section 9 of the Act, the Point of Reception may be located on any of the following existing or zoned for future use premises: permanent or seasonal residences, hotels/motels, nursing/retirement homes, rental residences, hospitals, camp grounds, and noise sensitive buildings such as schools and places of worship.

For equipment/facilities proposed on premises such as nursing/retirement homes, rental residences, hospitals, and schools, the Point of Reception may be located on the same premises;

(14) "Publication NPC-205" means Ministry Publication NPC-205 "Sound level Limits for Stationary Sources in Class 1 & 2 Areas (Urban)", October 1995;

(15) "Publication NPC-232" means Ministry Publication NPC-232 "Sound Level Limits for Stationary Sources in Class 3 Areas (Rural)", October 1995; and

(16) "Trained" and "Training" refers to a training program which conforms with Section 4.3 *Training* of the CCME Guideline.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

GENERAL

1. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Equipment in accordance with the description given in this Certificate, application for approval of the Equipment and the submitted supporting documents and plans and specifications as listed in this Certificate.

2. Where there is a conflict between a provision of any submitted document referred to in this Certificate and the Conditions of this Certificate, the Conditions in this Certificate shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

OPERATION AND MAINTENANCE

3. The Owner shall ensure that the Equipment is properly operated and maintained at all times. The Owner shall:

   (1) prepare, not later than three (3) months after the date of this Certificate, and update as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:

      (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;

      (b) emergency procedures;

      (c) list of Trained personnel responsible for the operation and maintenance of the Facility;

      (d) procedures for any record keeping activities relating to operation and maintenance of the Equipment;

      (e) a regular maintenance program for each booth fan, including but not limited to cleaning and balancing of the fan blades, to ensure the fan noise emissions do not exceed at any time the levels specified in Publication NPC-205 or NPC-232 as applicable;

      (f) the frequency of inspection and replacement of the filter material in the Equipment;

      (g) procedures for recording and responding to environmental complaints; and

      (h) appropriate measures to minimize emissions from all potential sources;

(2) implement the recommendations of the operating and maintenance Manual;

(3) ensure that all surface coating operations are performed using a High Efficiency-type Paint Spray System;

(4) ensure that all surface coating operations are performed using Approved Automotive Refinish Coatings;

(5) ensure that operators involved in the application of automotive refinish coatings receive Training in the proper use of High Efficiency-type Paint Spray Systems; and

(6) Implement the provisions of Section 4.0 *Codes of Good Practice* and Section 5.0 *Check List for Good Practices for Automotive Refinish Facilities* of the CCME Guideline.

RECORD RETENTION

4. The Owner shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this Certificate. These records as well as the Manual shall be made available to staff of the Ministry upon request. The Owner shall retain:

(1) all records on the maintenance, repair and inspection of the Equipment; and

(2) all records on the environmental complaints, including:

(a) a description, time and date of each incident;

(b) operating conditions (e.g. the product name(s) of the Approved Automotive Refinish Coating being sprayed, any upset conditions, etc.) at the time of the incident; and

(c) a description of the measures taken to address the cause of the incident and to prevent a similar occurrence in the future.

NOTIFICATION OF COMPLAINTS

5. The Owner shall notify the District Manager, in writing, of each environmental complaint and the measures taken to address the cause of the complaint within five (5) business days of the complaint.

PERFORMANCE

6. The Owner shall ensure that the noise emissions from the Equipment comply with the limits set in Publication NPC-205 or NPC-232 as applicable.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition Nos. 1 and 2 are imposed to ensure that the Equipment is built and operated in the manner in which it was described for review and upon which approval was granted. These conditions are also included to emphasize the precedence of Conditions in the Certificate and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.

2. Condition No. 3 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.

3. Condition No. 4 is included to require the Owner to keep records and provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

4. Condition No. 5 is included to require the Owner to notify staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

5. Condition No. 6 is included to provide minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Facility/Equipment.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to eachportion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 9th day of July, 2009

THIS CERTIFICATE WAS MAILED
ON July 13th 2009
MW
(Signed)

Zafar Bhatti

Zafar Bhatti, P.Eng.
Director
Section 9, *Environmental Protection Act*

NB/
c: District Manager, MOE Hamilton - District
John Norris, HARA

Ontario

Ministry of the Environment **Ministère de l'Environnement**

PROVISIONAL CERTIFICATE OF APPROVAL
WASTE MANAGEMENT SYSTEM
NUMBER 5947-5WFLB7

687224 Ontario Inc.
228 Hess Street North
Hamilton, Ontario
L8R 2T6

You have applied in accordance with Section 27 of the Environmental Protection Act for approval of:

a waste management system serving:

the Province of Ontario

For the purpose of this Provisional Certificate of Approval and the terms and conditions specified below, the following definitions apply:

a. "Certificate" means the entire Certificate of Approval including its schedules, if any, issued in accordance with Section 27 of the Environmental Protection Act;

b. "Company" means only 687224 Ontario Inc.;

c. "Director" means any Ministry employee appointed by the Minister pursuant to Section 5 of the Environmental Protection Act; and

d. "District Manager" means the District Manager of the Ministry of the Environment for the geographic area in which the waste described in condition 2 is located.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. Except as otherwise provided by these conditions, the waste management system shall be operated in accordance with the application for this Provisional Certificate of Approval dated February 9, 2004 and with the supporting information submitted therewith.

2. Only non-hazardous solid industrial waste shall be transported pursuant to this Provisional Certificate of Approval and in any case, no subject waste may be transported pursuant to this Provisional Certificate of Approval.

3. The Company shall promptly take whatever steps are necessary to contain and clean up any spills of waste which have resulted from the operation of this waste management system.

4. Waste shall only be delivered to a waste disposal site or facility which has a Certificate

of Approval or a Provisional Certificate of Approval, and only where the waste being delivered complies with the Certificate of Approval or Provisional Certificate of Approval of the receiving waste disposal site or facility, and at no time shall waste be stored or transferred to your truck storage yard located at 239 Caroline Street North, Hamilton, Ontario.

5. All waste shall only be transported in a covered vehicle.

6. Any addition, deletion or other change to the fleet of vehicles, trailers and equipment (i.e., year, make, model, serial number, licence number and ownership of each vehicle, trailer or piece of equipment) in particular those which are leased or rented, shall be reported to the Director within fourteen (14) days of any such change.

7. Every vehicle used for the collection and transportation of waste pursuant to this Provisional Certificate of Approval shall be clearly marked with the company name and the number which appears on the face of the Certificate of Approval or Provisional Certificate of Approval that authorizes the collection and transportation of waste.

8. The following documents shall be with each vehicle operated pursuant to this Provisional Certificate of Approval at all times that the vehicle is being operated or contains any wastes:

   (a) A copy of this Provisional Certificate of Approval; and
   (b) A certificate of vehicle liability insurance specifying that it provides coverage of a minimum of one million dollars ($1,000,000.).

9. (1) The Company shall notify the Director in writing of any of the following changes within thirty (30) days of the changes occurring:

      (a) change of Company name, owner or operating authority;

      (b) change of Company address or address of new owner or operating authority;

   (2) In the event of any change in ownership of the waste management system the company shall notify the succeeding (new owner) company of the existence of this Certificate, and a copy of such notice shall be forwarded to the Director.

   (3) The Company shall ensure that all communications made pursuant to this condition will refer to this Certificate number.

The reasons for the imposition of these terms and conditions are as follows:

1. The reason for condition 1 is to set out clearly that this waste management system is operated in accordance with the application for this Provisional Certificate of Approval and the supporting information submitted therewith and not on a basis or in any way which the Director has not been asked to consider.

2. The reason for condition 2 is to ensure that this waste management system is only used to collect, handle and transport waste which it is able to in a suitable manner as the transportation of waste which this waste management system is not able to collect,

handle and transport may create a nuisance or result in a hazard to the health and safety of any person or the natural environment.

3. The reason for condition 3 is to ensure that any waste spilled onto the vehicle is promptly contained and cleaned up to minimize the risk of further spillage or the discharge of waste from the vehicle to the environment and to ensure that the proper officials of the Ministry of the Environment are notified and able to give direction to the Company to ensure the complete decontamination of the vehicle and clean up of the spilled material.

4. The reason for condition 4 is to ensure that this waste management system is used to transport waste only to waste disposal sites or facilities that have been approved by the Ministry of the Environment to receive the waste which this waste management system is delivering under this Provisional Certificate of Approval, and that by accepting the waste being delivered by the waste management system, the waste disposal site and facilities will not be out of compliance with its Certificate of Approval or Provisional Certificate of Approval.

5. The reason for condition 5 is to ensure that waste particulates are not emitted to the environment as any such emission may result in a hazard to the health and safety of any person or the natural environment.

6. The reason for condition 6 is to ensure that all vehicles, trailers and equipment including those leased or rented for operation under this Provisional Certificate of Approval have been approved as part of a suitable waste transportation system to collect and transport waste as an unsuitable waste transportation system could result in a hazard to the health and safety of any person or the natural environment.

7. The reason for condition 7 is to ensure that the collection, handling and transportation of waste is conducted in a safe and environmentally acceptable manner, as outlined in Regulation 347.

8. The reason for condition 8 is to ensure that all waste carriers have met and are operating in compliance with the standards for waste management systems outlined in Regulation 347.

9. The reason for condition 9 is to ensure that the waste management system is operated under the corporate, limited or the applicant's own name which appears on the application and supporting information submitted for this Provisional Certificate of Approval and not under any name which the Director has not been asked to consider.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as

amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act , provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted waste management system is approved under Section 39 of the Environmental Protection Act, and is subject to the Regulations made thereunder.

DATED AT TORONTO this 2nd day of March, 2004

Aziz Ahmed, P.Eng.
Director
Section 39, *Environmental Protection Act*

MC/
c: District Manager, MOE Hamilton - District
Anna Gortva, MOE, Environmental Monitoring and Reporting Branch

Generator Details

Registration/Notification Number

ON1734701

Legal Company Name

Primary Name:	687224 Ontario Inc.	Division Name:	NA

Company Operating Name

Primary Name:	B&M Metal Recycling	Division Name:	NA

Mailing Address

Division Building:	NA	Post Box Number:	NA
Address Line 1:	228 Hess Street North	Address Line 2:	NA
Town/City:	Hamilton	Postal Code / Zip Code:	L8R 2T6
County: (if inside Ontario)	HAMILTON-WENTWORTH R. M.	Province/State (If inside Canada/US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (If outside Canada / US)	NA
Country:	Canada		

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	NA	Post Box Number:	NA
Address Line 1:	239 CAROLINE STREET NORTH		
Address Line 2:	NA		
Town/City:	HAMILTON	Postal Code / Zip Code:	L8R 2T6
County: (if inside Ontario)	HAMILTON-WENTWORTH R. M.	Province / State (If inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (If outside Canada / US)	NA
Country:	Canada		

Company Official

Company Name: 687224 Ontario Inc.
Company Number: ON1734701 (Generator)

Active Waste Classes

Active Waste Class Listing

Add New Waste Class Inactive waste classes

Active On-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required	Part 2B complete	Physical State	Off-Site	Status
146 - H	View Details	F038	1	Small Quantity Generator Exemption	N		Solid	Off-Site	Active
146 - T	View Details	D008	5, 13	Land Disposal	Y	Y	Solid	Off-Site	Active
252 - L	View Details	N/A					Liquid	Off-Site	Active

Back

Company Name: 687224 Ontario Inc.
Company Number: ON1734701 (Generator)

Inactive Waste Classes

Inactive Waste Class Listing

Add New Waste Class Active waste classes

Inactive Off-site Waste Classes

Waste Class	Physical State	Off-Site	Status	Activate	
146 - T	Liquid	Off-Site	Inactive	○	View Details
233 - N	Solid	Off-Site	Inactive	○	View Details
251 - L	Liquid	Off-Site	Inactive	○	View Details

Activate

Ontario

Ministry of Environment and Energy

Ministère de l'Environnement et de l'Énergie

135 St. Clair Avenue West
Suite 100
Toronto ON M4V 1P5

135, avenue St. Clair ouest
Bureau 100
Toronto ON M4V 1P5

April 12, 1995

B&M METAL RECYCLNG
239 CAROLINE STREET NORTH
HAMILTON, ONT
L8R 2S3

Attention: MR. RAY BELANGER

Re: Acknowledgement of Subject Waste Registration

In accordance with Subsection 18(3) of Ontario Regulation 347, this letter acknowledges receipt of your Generator Registration Report dated **March 30, 1995.** The Generator Registration Number assigned to your company is:

ON1734700

for the site located at:

239 CAROLINE STREET NORTH
HAMILTON, ONT

A list of acknowledged waste number(s) is attached as Schedule "A". The format of this schedule has been modified since July 1993. A waste number now appears only once, regardless of the number of different waste streams which may have identical waste numbers. The waste description is also generic. However, you are still required to register all waste streams, even if they have identical waste numbers.

For off-site disposal of subject waste, the appropriate waste number(s) acknowledged in Schedule "A", and the Generator Registration Number, must be entered in Part A of each manifest form after receipt of this generator registration document. Under Ontario's Environmental Protection Act, the property receiving the waste must be approved as a disposal site for the waste it is receiving. The disposal of waste at an uncertified site is illegal.

The selection of accurate waste numbers is your responsibility. This acknowledgement must not be considered a confirmation of the accuracy of the information submitted by you. Should the waste number(s) you have selected be deemed incorrect by the Ministry, or improper waste disposal occurs at any time, you may be subject to legal action as provided by the Environmental Protection Act and Regulation 347.

It is important to note that under Subsection 18(4) of Regulation 347, a supplementary Generator Registration Report must be submitted to the Ministry within 15 days for any of the following reasons:

1. if the name, address or telephone number of your company or generating site changes, or

2. if there is a significant change in the description, the waste number, or the physical or chemical characteristics of your registered waste(s), or

3. **if you generate a hazardous or liquid industrial waste that has not been registered with the Ministry, even if its waste number is already listed on Schedule "A".**

Your Generator Registration Report has been forwarded to the District Office of this Ministry that is closest to your generating site. Staff of the District Office conduct post-registration audits and may contact you for additional information or may visit your site.

Should you have any questions concerning generator registration or manifesting requirements, please contact the appropriate District Office of the Ministry.

Toronto	(416)326-6700	Owen Sound	(519)371-2901
Oakville	(905)815-5920	Sarnia	(519)336-4030
York-Durham	(416)424-3000	Windsor	(519)254-2546
Hamilton	(905)521-7650	Sudbury	(705)675-4501
Cambridge	(519)622-8121	North Bay	(705)476-1001
Welland	(905)732-0816	Gravenhurst	(705)687-6647
Kingston	(613)549-4000	Barrie	(705)726-1730
Cornwall	(613)933-7402	Thunder Bay	(807)475-1315
Ottawa	(613)521-3450	Kenora	(807)468-2718
Peterborough	(705)743-2972	Sault Ste. Marie	(705)949-4640
London	(519)661-2200	Timmins	(705)268-3222

D. Tolson

Director
Regulation 347, R.R.O., 1990
Environmental Protection Act

SCHEDULE "A"

In accordance with information submitted with your generator registration report(s), the site indicated below is registered for the waste number(s) shown on this schedule, which **may represent more than one waste stream.** This attached Schedule forms part of the acknowledgement of generator registration for the following site:

B&M METAL RECYCLNG

239 CAROLINE STREET NORTH
HAMILTON, ONT

identified by Generator Registration Number **ON1734700**, dated in Toronto, April 12, 1995.

WASTE STREAM	WASTE NUMBER
1. MISC. INORGANIC SOLIDS AND SLUDGES	146L
2. OTHER POLYMERIC WASTES	233N
3. OIL SKIMMINGS & SLUDGES	251L

---- End of List ----

Ontario

Ministry of the Environment

OCCURENCE REPORT

Location of Occurence:
HAMILTON CITY
239 CAROLINE ST. NORTH

Reg: 2 **Dist:** HA **Municipality:** 16101

Source:
B & M METAL RECYCLING
239 CAROLINE ST NORTH HAMILTON
Sector: ME **Source:** OT **SIC:**
UTM:
N: [4787000] **E:** [594000] **Zone:** [17]

Entered:	ORIS No.	Abstracts:	Diaries:
1996/08/20 10:07	9620002464	0	0

Received By: HAMILTON DISTRICT
Batch: 2138
I. E. B. No.

Occurence Type: O
Subtype: 99
Occurence Date:

Work Plan:
Occurence Time:

Reported By: RAY BELANGER
B & M METAL COMPANY
Report to MOE : 1996/08/01 00:00
MOE at Scene:

Telephone No. 905-527-2727 x
Alternate No. x
Assigned To: SUZANNE FONTAINE

Address: s.21
Postal Code:
ERP Contacted:
Callout: []
ERP Name:
NSP: []

Syn: REVIEW OF APPLICATION FOR C OF A (AIR) FOR A BAG-HOUSE

Brief Summary:
-CURRENTLY, COMPANY OPERATES A LEAS SWEATING FURNACE CONTROLLED BY A SCRUBBER @-SCRUBBER WILL BE REPLACED BY BAGHOUSE@-COMMENTS SENT BY E-MAIL TO REVIEW ENGINEER REQUESTING A CONDITION FOR A MAINTENANCE PLAN WITHIN 90 DAYS OF RECEIPT OF C OF A

If there are related reports, record initial/master ORIS No. here >>

Followup Action: Abatement IEB Other
BF Date:

File Closed: X **Abatement: IEB** X **Other**
Suspected Violation:

Report Prepared By:	Date:	IEB Investigator:	IEB BF Date
SUZANNE FONTAINE	19/08/96		
Approving Officer	**Date:**	**Reviewing Officer:**	**Date**

Specify number(s) for routing Original [ ] [ ] [ ] [ ] **Continued** [ ] **Yes**
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ]
1. Investigator/E.O. **2. D. O. /File** **3. SAC (initial spills)**
4. Reg. Dir. /_____ Mgr. **5. IEB Reg. Spv** **6. IEB H.O./file** **7. Other _____**

SAC Action Class: 1: 2:

Material 1: **Code :**
Amount : **UN No.:**
Material 2: **Code :**
Amount : **UN No.:**
Material 3: **Code :**
Amount : **UN No.:**

Cause. . . . . :
Code. . :
Reason. . . . . :
Code. . :
Person in Control:
Waste GenNum :
Owner . . . . . :
Waste GenNum :
Agencies Involved . . . . :

Clean up and Restoration Carried out by:
[v] Controller [v] Owner [N] Other

% Cleaned up:
Estimated Cost:
Were Directions or Approval Given Under
EPA Part X [v] Regulation 362 [v] Manifest No.

Waste Class :
Code . . :
Hauler :
Code . . :
Disposal Site :
Code . . :
Environmental Impact:
Nature of Impact:
Code . . :
People/Business Damaged
(Other than to Owner/Controller) :
Nature of Damage:
Code . . :

Ontario

Ministry of the Environment

OCCURENCE REPORT

Location of Occurence:
HAMILTON CITY
239 CAROLINE ST.

Reg: 2 **Dist:** HA **Municipality:** 16101

Source:
B & M METAL RECYCLING
2866 EFFINGHAM ROAD ST. CATHARINES
Sector: ME **Source:** OP **SIC:** 2959
UTM:
N: [4790800] **E:** [591550] **Zone:** [17]

Entered:	ORIS No.	Abstracts:	Diaries:
1997/01/09 09:20	9700000258	0	0

Received By: BRUCE CARLIN
Batch: 3081
I. E. B. No.

Occurence Type:	Subtype:	Occurence Date:	1997/01/09
N	01		
Work Plan:	11	**Occurence Time:**	09:11

Reported By: KATHY BELANGER
B & M METAL RECYCLING
Report to MOE : 1997/01/09 09:15
MOE at Scene:

Telephone No.	Alternate No.	Assigned To:
905-527-2727 x	x	

Address:
239 CAROLINE ST
HAMILTON
Postal Code:

ERP Contacted:
Callout: []
ERP Name:
NSP: []

Syn: B & M METAL RECYCLING HIGH OPACITY FROM FURNACE

Brief Summary:
CALLER REPORTS THAT THERE WAS BLACK SMOKE COMING OUT OF THEIR FURNACE AND AS A RESULT THEY ARE SHUTTING IT DOWN TO INSPECT THE FURNACE. THE SMOKE IS CLEARING UP AT THIS TIME.

If there are related reports, record initial/master ORIS No. here >>

Followup Action: Abatement IEB Other
BF Date:

File Closed: X **Abatement: IEB Other**
Suspected Violation:

Report Prepared By:	Date:	IEB Investigator:	IEB BF Date

Approving Officer	Date:	Reviewing Officer:	Date
SUZANNE FONTAINE	09/01/97		

Specify number(s) for routing Original [ ] [ ] [ ] [ ] [ ] **Continued [ ] Yes**
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ] [ ]

1. Investigator/E.O. **2. D. O. /File** **3. SAC (initial spills)**
4. Reg. Dir. /_____ Mgr. **5. IEB Reg. Spv** **6. IEB H.O./file** **7. Other _____**

SAC Action Class: 1: 2:

Material 1: SMOKE
Amount : UKN UKN 5 MIN
Code : 31
UN No.:
Material 2:
Amount :
Code :
UN No.:
Material 3:
Amount :
Code :
UN No.:
Cause. . . . . :
Code. . : 21

Reason. . . . . : **Code. . :** 98

Person in Control: B & M METAL RECYCLING **Waste GenNum :**

Owner . . . . . : B & M METAL RECYCLING **Waste GenNum :** 0579100

Agencies Involved . . . . :

Clean up and Restoration Carried out by:

[v] Controller	[v] Owner	[N] Other
N	N	

% Cleaned up: 0 **Estimated Cost:**

Were Directions or Approval Given Under

EPA Part X [v]	Regulation 362 [v]	Manifest No.
N	N	

Waste Class : **Code . . :** 000

Hauler : **Code . . :**

Disposal Site : **Code . . :**

Environmental Impact:	Nature of Impact:	
P	Air Pollution	**Code . . :** 08

People/Business Damaged
(Other than to Owner/Controller) :

Nature of Damage: **Code . . :**

Pages 15 to / à 16

are duplicates

sont des duplicatas

Martin McConnochie - Re: B & M Metal Recycling Update...

From: Mark Dunn
To: Lance Larkin
Date: 2004/02/19 12:31 PM
Subject: Re: B & M Metal Recycling Update...
CC: Carpentier, Geoff; McConnochie, Martin

So far you have done a good job of compiling the facts. I would now like us to discuss this further with Geoff, while getting input from Martin. Martin was

s.21

I think Part V is the answer butI don't want to head down the wrong road as you will be stuck sorting this out.

MD

>>> Lance Larkin 02/19/04 12:12pm >>>

Background:

s.13

What the Company Does:

The company is recovering metal (copper and lead) from plastic wrapped wire through a chopping line and also through incineration (furnace). They have also processed car shredder fluff but have discontinued this process since I arrived on-site.

1. **Wire Processing Through Their Chopping Line:**

   They receive wire from various sources (eg. Hydro and City) and put the wire through their chopping Line to recover copper and lead.

2. **Wire Processing through their Furnace:**

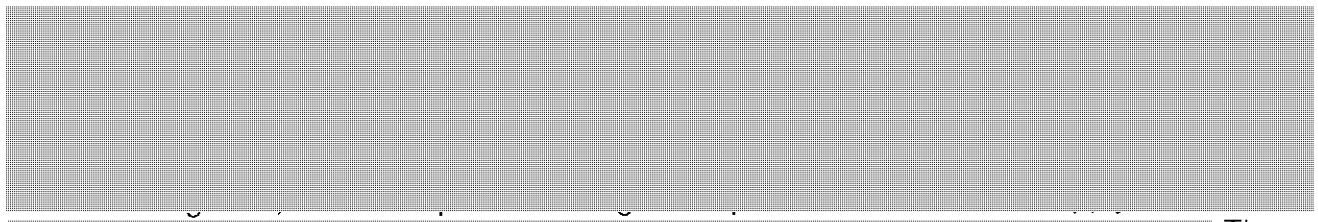
   They burn the plastic/rubber off wire to recover lead. The lead is shaped into ingots.

3. **Car Shredder Fluff Processing:**

   I observed a separate line that was being used to separate lead pieces from the car fluff waste.

My Compliance Assessment:

I have concluded that the Company is missing a Part V approval for Items 1 and 2 and 3 above. The only approval they have is for the air control systems on their furnace used for processing wire. s.13 [redacted]



[redacted] The chop line residue was being shipped to the states but will soon be shipped to Taro. The Company is seeking approval to haul their own waste to Taro since they have their own trucks. The chopline residue has been tested non-hazardous by Phillips.

Lance Larkin
Provincial Officer, N° 723
Ministry of the Environment
Hamilton District Office, 9th Fl.
119 King Street West
Hamilton, ON L8P 4Y7

Lance Larkin
Agent provincial, N° 723
Ministère de l'Environnement
Bureau district de Hamilton
119, rue King Ouest, 9e étage
Hamilton (Ontario) L8P 4Y7

Phone/ Téléphone : (905) 521-7896
Fax/ Télécopie: (905) 521-7806
E-mail/ Courriel: larkinla@ene.gov.on.ca

Martin McConnochie - Re: B & M Metal Recycling Update...

From: Lance Larkin
To: Mark Dunn
Date: 2004/02/19 1:22 PM
Subject: Re: B & M Metal Recycling Update...
CC: Martin McConnochie

Mark,

s.21 Ok. [redacted] said the Judge exempted Chop Line residue as long as the Company could recycle at least 5 % of the material.

Reg. 347, Section 3 - exemptions, (2) 3 states:

"Residue remaining after metal is recovered from wire and cable and transferred by a generator for direct transportation to a site at which it will be processed for recovery of metal and plastic using a process that does not involve combustion of the residue or any part of the residue."

B & M's case the chop line residue **is not** the material being processed, it's the wire therefore the exemption in Reg 347 doesn't apply to this situation.

s.13 [redacted]

I'm not saying we shouldn't make B & M get a cofa. I think I should go ahead and enforce our existing legislation.

Lance Larkin
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Lance Larkin
Agent provincial, N° 723
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119, rue King Ouest, 9e étage
Hamilton (Ontario) L8P 4Y7

Phone/ Téléphone : (905) 521-7896

Fax/ Télécopie: (905) 521-7806
E-mail/ Courriel: larkinla@ene.gov.on.ca

>>> Mark Dunn 02/19/04 12:31PM >>>

s.21 So far you have done a good job of compiling the facts. I would now like us to discuss this further with Geoff, while getting input from Martin. Martin was involved in the judicial review of [redacted] chopline residue exemption.

I think Part V is the answer but I don't want to head down the wrong road as you will be stuck sorting this out.

MD

>>> Lance Larkin 02/19/04 12:12pm >>>

Background:

s.13 [redacted]

What the Company Does:

The company is recovering metal (copper and lead) from plastic wrapped wire through a chopping line and also through incineration (furnace). They have also processed car shredder fluff but have discontinued this process since I arrived on-site.

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   I observed a separate line that was being used to separate lead pieces from the car fluff waste.

My Compliance Assessment:

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s.13 processing wire. [redacted]

s.13

[redacted]

[redacted] The chop line residue was being shipped to the states but will soon be shipped to Taro. The Company is seeking approval to haul their own waste to Taro since they have their own trucks. The chopline residue has been tested non-hazardous by Phillips.

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Fax/ Télécopie: (905) 521-7806
E-mail/ Courriel: larkinla@ene.gov.on.ca

ANALYTICAL SERVICES

Certificate of Analysis

CLIENT INFORMATION

Attention:	Peter Iperna
Client Name:	PSC-Taro Aggregates Ltd.
Project.	Misc.
Project Desc:	
Address:	65 Green Mountain Road Stoney Creek, Ontario L8J 1X5
Fax Number:	578-7533
Phone Number:	561-0305

LABORATORY INFORMATION

Contact:	Elaine Cousins, B.Sc.
Project:	AN022465
Date Received:	09-Jan-2004
Date Reported:	16-Jan-2004
Submission No.:	4A0213
Sample No.:	000944-000945

NOTES: *"-" = not analysed "<" less than Method Detection Limit (MDL) 'NA' = no data available*
LOQ can be determined for all analytes by multiplying the appropriate MDL X 3.33
Solids data is based on dry weight except for biota analyses.
Organic analyses are not corrected for extraction recovery standards except for isotope dilution methods, (i.e. CARB 429 PAH, all PCDD/F and DBD/DBF analyses)

Methods used by PSC Analytical Services are based upon those found in 'Standard Methods for the Examination of Water and Wastewater', Twentieth Edition Other methods are based on the principles of MISA or EPA methodologies New York State: ELAP Identification Number 10756

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. Any and all use of these test results shall be limited to the actual cost of the pertinent analysis done. There is no other warranty expressed or implied. Your samples will be retained at PSC Analytical Services for a period of three weeks from receipt of data or as per contract.

COMMENTS: *(1) Surrogate Recovery Outside Acceptable Limits for Decachlorobiphenyl*
(2) Sample required extensive cleanup

Certified by: Elaine Cousins

16/01/2004

PASC - Certificate of Analysis

	Client ID:		RAY'S RECYCLING tnv
	Lab No.:		000945 04
	Date Sampled:		13-Jan-2004
Component	**MDL**	**Units**	
Cyanide	0.200	mg/L	<
Fluoride (probe)	0.300	mg/L	0 72
Mercury	0.010	mg/L	<
Arsenic	0.250	mg/L	<
Barium	0 10	"	0.74
Boron	0 10	"	0 30
Cadmium	0.050	"	<
Chromium	0.500	"	<
Lead	0.500	"	<
Selenium	0 100	"	<
Silver	0 500	"	<
Aroclor 1016	0.034	ug/L	<0 18
Aroclor-1221	0.033	"	<0 17
Aroclor-1232	0 037	"	<0 20
Aroclor-1242	0 038	"	<0 20
Aroclor-1248	0.023	"	<0 12
Aroclor-1254	0.024	"	<0 13
Aroclor-1260	0 028	"	<0.15
Aroclor-1262	0 052	"	<0 27
Aroclor-1268	0.034	"	<0.18
Total PCB	0 052	"	<0.27
Surrogate Recoveries		%	
4,4'-Dibromooctaflourobiphenyl			60
Decachlorobiphenyl			74

16/01/2004

PASC - Certificate of Analysis

	Client ID:		RAY'S RECYCLING
	Lab No.:		000944 04
	Date Sampled:		09-Jan-2004
Component	**MDL**	**Units**	
pH after 3 5 ml of 1N HCl addition			1 77
pH after extraction (semi-vols/metals)			5.12
pH initial (5g + 96.5ml water)			10.39
pH of extraction fluid (semi-vols/metals)			4.93
			(1)(2)
Aroclor-1016	0.038	ug/gm	<
Aroclor-1221	0 042	"	<
Aroclor-1232	0.058	"	<
Aroclor-1242	0.043	"	<
Aroclor-1248	0 032	"	0.14
Aroclor-1254	0.059	"	0.42
Aroclor 1260	0 031	"	0 28
Aroclor-1262	0.044	"	<
Aroclor-1268	0 054	"	<
Total PCB	0.059	"	0.84
Surrogate Recoveries		%	
4,4'-Dibromooctaflourobiphenyl			38
Decachlorobiphenyl			44

Certificate of Approval Waste Management Systems (Archive)

CofA Number: A821307
A821307

Certificate:

C of A information

CofA Status: 006 ---- Approved

Instrument Type: Waste Management Systems
Issue Date: 1999/07/06

Reviewer: N. Bertucci
Reissue Date: 1999/07/14

Mail Registration Number:
Certificate Mailing Date: 1999/07/16

Record Date: 1999/07/14
Revocation Date:

Date Received: 1999/07/14
Date Completed: 1999/07/14

Appeal Date:
Hearing Date:

Appeal Resolved?: No

Client Information

Proponent: 687224 Ontario Inc.

Operating Name: B&M Metal Recycling

Address: 228 Hess Street North

City: Hamilton

Province / State: Ont

Postal Code / Zip: L8R-2T6

		Area Code - Phone Number
Principal 1:	Belanger, Ray	905 527-2727
Principal 2:	Fax	905 527-3455
Principal 3:		
Principal 4:		
Principal 5:		

Company Name Changed? (Y/N): No

Waste Haulage Outside Ontario? (Y/N): No

Waste Haulage Into Ontario? (Y/N): No

Truck Yard Address Different from above?: No

Service Area: 1000 Ontario

Ontario Region: 010000 West Central Region

MOE District Office Code: 201 Hamilton

Own Sites by C of A?:

Truck Storage

Truck Storage Yard Address:

City:

Province / State:

Postal Code / Zip:

Receiver Site Information

Receiver File CofA Number:

Waste Information

Waste Type: 0010000000 Non-Haz Solid Ind.

Memo Information

Reissuance Information: Re-Issued: 07/14/99

Compliance:

Violation and Prosecution:

Remarks: Client Phone Number Not Provided On Application Form Or Requested By Letteri Dated June 28, 1999. C/A Re-Issued On July 14, 1999 To Reflect Error. Client Transporting Outsidei Of Ontario And This Was Not Indicated On Previous C/A.

Hamilton Iron and Metal (HIMCO) Chronology

Applications for/Issuance of Certificates of Approval.

Waste Management System

Provisional Certificate of Approval No. A 8319 was issued to HIMCO Ltd. For a Waste Management System serving the regions of Halton and Hamilton-Wentworth.

On February 11, 1980, John Vogt, District Officer, sent a recommendation to Approvals Branch to inform them that HIMCO was no longer in the waste hauling business. Certificate of Approval No. A 8319 was revoked in February 1984.

Sept.16, 1986: MOE received an application from HIMCO to renew its Certificate for the collection and transportation of non-hazardous solid industrial wastes in Ontario. Approvals Branch contacted HIMCO on several occasions to request more information.

July 17, 1990: Approvals Branch notified HIMCO that the file had been closed. No certificate was issue.

Waste Disposal Site

Aug. 12, 1988: MOE received an application from HIMCO for a waste disposal site at 239 Caroline Street North in Hamilton. The proposal was for receiving a volume of 40 tonnes per day of industrial waste and 40 tonnes per day of non-hazardous solid industrial waste described as chopping line waste only.

The application that was received at the same time for a waste transfer station was found to be not required and was sent back to the applicant. Forms for applying for a Certificate of Approval (Air) was sent to the proponent at the same time.

Correspondence from the MOE requesting further information for this application was not answered. It is unlikely that this Certificate was ever issued.

Generator Registration

On April 13, 1987, MOE received a Generator Registration Report for HIMCO. The waste to be manifested was deemed to be exempt from Regulation 309 requirements.

Air Approvals and Abatement Chronology

July 20, 1971: HIMCO received a Certificate of Approval to Construct a Stationary Source of Air Pollution. This approval was for a gas fired melting pot for melting 1.5 tons per day of lead.

Inspection on September 2, 1971 found to be in compliance.

Summer 1971: MOE received 6 complaints of odour and fumes from neighbouring residents. HIMCO indicated that they would raise the stack and make some changes to the stack.

November 1973: Violation Notice sent to HIMCO for opacity emissions from an open fire.

June 25, 1975: Report of a Phytotoxicology Survey conducted in relation to HIMCO in 1974. The report concluded that:

> "fluoride, lead, iron and zinc levels in the area were generally similar to levels found in other industrialized areas in Hamilton. Exceptions were elevated levels of fluoride in foliage and excessive levels of zinc and lead in soil near the company. However, since the area is highly industrialized it is not possible to associate these levels with one particular company".

1976: 2 MOE inspections at the site regarding 1) scrap wood being burned and 2) application of transformer oil to the parking lot that ran off to the gutter.

July 10, 1978: Issuance of a Certificate of Approval (Air) No. 8-2120-78-006 to HIMCO for a furnace for aluminum recovery and incineration of insulated copper wire.

June 28, 1979: Issuance of Certificate of Approval (Air) No. 8-2035-79-006 to Himco for a reclaim incinerator (for lead sheathed cable and wire) and for a venturi scrubber.

1980: 4 complaints received by the MOE.3 inspections were conducted. All action items were related to the operation of the furnace.

1981: One complaint received and one inspection conducted by the Abatement section. Company found to be in compliance.

1986: Several complaints of odour, smoke and fallout from the operations at HIMCO were received. Inspection and follow-up by abatement.

1987: Fire at HIMCO forced the evacuation of more than 20 people from houses neighbouring the facility(see attached news clipping). Two complaints received and one incident reported by HIMCO and the Hamilton Fire Department regarding smoke emissions from the stack.

1988: 2 complaints received, odour and smoke.

(to be continued...)

Can Am Plastics N.A. Inc.

s.N/R June 14, 1988: MOE received a letter from the Ontario Development Corporation requesting a Certificate of Clearance form the MOE to support [redacted] application from HIMCO for [redacted] to start-up a new vinyl recovery operation. The District Office answered in June 1988 stating that "the processes involved with this operation appear to be environmentally acceptable".

1989: Received application from Can Am Plastics for an approval for a baghouse to collect dust and particulate from their plastic recovery process. Boris Boiko, Director, West Central Region, sent a memo to the Approvals Branch requesting that this approval be processed as a priority (see attached).

Certificate of Approval (Air) No. 8-2075-89-006 was issued on August 17, 1989.

1990: 7 complaints received, odour and smoke as well as complaints of noise from a blower from the new recycling operation. There was an inspection of the recycling operation in relation to the noise complaints. **Letter from the MOE to HIMCO indicating that chop line residue from the process is deemed to be a recyclable material not requiring registration under Regulation 309.**

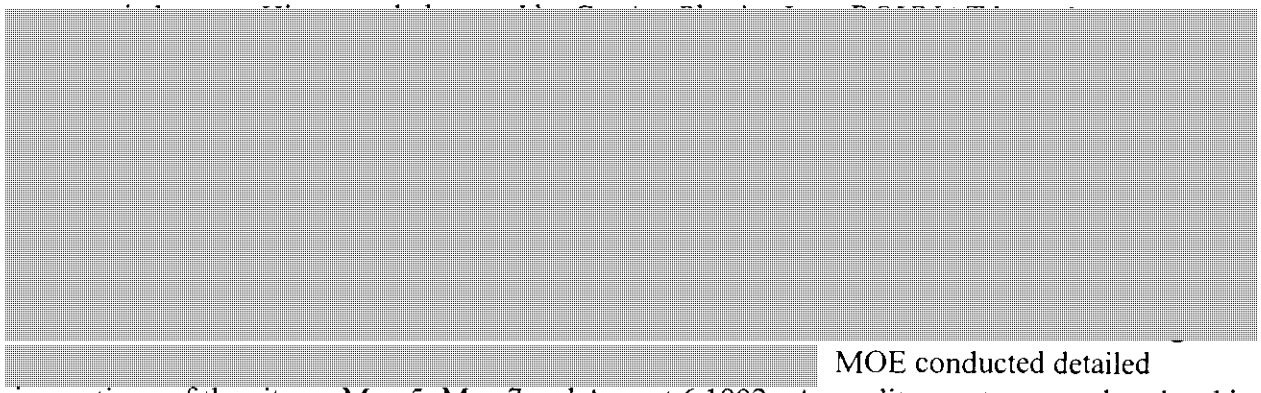
1991: 6 complaints of smoke and odour received . One letter from Alderman Vince Agro to the District Manager requested action in the matter. An inspection in October 1991 resulted in a violation notice and the occurrences referred to IEB for investigation. Abatement met with Mr. Lieberman on October 31, 1991 and January 27, 1992.

TROW Consulting Engineers was retained by HIMCO/CAN AM PLASTICS to conduct an Environmental Assessment of the site. The MOE has a copy of the report dated August 9, 1991. Philip Enterprises provided a quote for the potential clean-up of the site.

1992: In May 1992, the District Office was contacted with the following information:

The property at 239-259 Caroline Street is owned by 425763 Ontario Inc. Holding Co.

s.N/R



MOE conducted detailed inspections of the site on May 5, May 7 and August 6 1992. An audit report was produced and is included for your review.

Please note that Barry Hunt of the Hamilton Fire Safety Office was contacted regarding the site. After his inspection, he reported that the site was not a major fire hazard.

Documentation pertaining to ROYNAT's agreement and its taking over of the site is located in the Abatement file.

Ontario Ministry of Environment and Energy

s.21

Initial Occurrence Report

Page 1 of

1. Received by	ORIS No.	I.E.B. No.
Hamilton District		

2. Type of Occurrence — Occurrence Code: [S] | Sub. Cat. Code: [9 9] | Work Plan Program:

Occurrence Date (YY MM DD): 92 10 17 — Time (24 Hr. Clock):

Reported by (Name/Organization): [redacted]

Date Reported (YY MM DD): 92 10 17 — Time (24 Hr. Clock): 16:00

Tel. No.: [redacted] — Alternate Tel. No.:

Date MOEE at Scene (YY MM DD): — Time (24 Hr. Clock):

Address:

Postal Code:

Assigned To: Person/Program: McCormachie

3. Location of Occurrence: Brass metal Recovery

4. Source (Name of company/person, Process Area, Address): Brass Metal Recovery

MOEE Region Code: 3 — MOEE Dist. Code: H H — Municipal Code: 1 6 1 0 2 — Sector Code: — Source Code: — SIC Code:

5. Synopsis (75 Characters Maximum): Discharge from pickling equipment to env't

6. Summary (Attachments accompanying this report: If Yes [ ] number and list them in this section)

Visited site upon receipt of complaint from caller who observed a brown/white precipitate discharge from a pickling piece of equipment. Visit by M. Mitchell revealed a discharge at the discharge

Multiple reports on single incident:
If [ ] Yes, record initial/master regional number here >> — Continued [ ] Yes

7. Follow-up Action — [ ] Abatement [ ] I.E.B. [ ] Other (Section Code) — B. F. Date (YY MM DD):

None — Company to be subject of proactive inspection in future ref: Dir

File Closed: [ ] Abatement [ ] IEB [ ] Other

Complainant Contacted — Contact Codes: CON CAT CNR — (YY MM DD)

Suspected Violation Code: 1 9

8. Report prepared by: McCormachie — Completion Date (YY MM DD): 92/10/22 — Print/Initial

I.E.B. Investigator Assigned — Print — I.E.B. B. F. Date (YY MM DD)

Approving Officer — Date (YY MM DD) — Print/Initial

IEB Supervisor — Date (YY MM DD) — Print/Initial

Specify number(s), indicating the routing of the original: 2

Specify number(s), indicating the distribution of the copies:

[1] Investigator or Environmental Officer [2] District Officer/File [3] SAC (all spills)
[4] Reg. Dir./_____ Mg:. [5] IEB Reg. Supervisor [6] IEB Head Office/File [7] Other _____

0065 (04/94) Front

000031

Ontario Ministry of Environment and Energy

Initial Occurrence Report

Complete appropriate boxes in this section if this page is used

ORIS No.	I.E.B. No.	Page of

9. Material 1 — Code

Amount 1 (Quantity/Concentration/Duration) — U N No.

Material 2 — Code

Amount 2 (Quantity/Concentration/Duration) — U N No.

Cause — Code

Reason — Code

Controller of Material (Name/Organization)

Owner of Material (Name/Organization)

Agencies Involved

10. Clean Up and Restoration Carried Out By

☐ Controller ☐ Owner ☐ Other, specify

% Cleaned Up

Est.Cost $

Were Directions or Approvals Given Under
EPA Pt X ☐ No ☐ Yes
Reg. 362 ☐ No ☐ Yes

If Yes, number and list documents attached to this Report in Section 13 or on Continuation Page.

Waste Manifest No.

Waste Class No.

Hauler — System No.

Disposal Site — Site No.

11. Environmental Impact

☐ Confirmed ☐ Possible ☐ Not Anticipated

Nature of Impact — Code

12. People/Business Damaged (Other than Owner/Controller)

☐ No If ☐ Yes, who?

Nature of Damage — Code

13. Additional Information (If continuation of Summary, indicate in box in Section 6.)

Continued on Continuation Page ☐ Yes

s.21

Ministry of Environment and Energy

OCCURRENCE REPORT
PAGE: 1

Entered: 2002/11/06 14:53
Batch : 2002/11/06
Abstracts[00] Diaries[00]

Received By
HAMILTON DISTRICT

ORIS No.
9920013127

I.E.B. No.

Occurrence Type: COMPLAINT
Subtype: OTHER

Work Plan [ ]

Date Occurrence: 2002/10/17

Time 00:00

Reported by (Name/Organization)
[redacted]

Report to MOE: 2002/10/17 16:00
MOE at Scene:

Telephone No. [redacted]

Alternate No.
X

Assigned To:
MARTIN MCCONNOCHIE

Address:

ERP Contacted:
Callout: [ ] NSP: [ ]
ERP Name:

Postal Code:

Location of Occurrence:
HAMILTON CITY
B & M METAL RECOVERY

Source:
B & C METAL RECOVERY

Sector: [ ] Source: [ ] SIC: [ ]
UTM:
N: [ ] E: [ ] Zone: [ ]

WEST CENTRAL HAMILTON DISTRICT
Reg.[2] Dist.[HA] Municipality[16103]

Syn:DISCHARGE FROM PROCESSING EQUIPMENT TO ENV 4

Brief Summary:
CALLER REPORTS IS AT HARBOUR FRONT PARK AND HAS OBSFERVED A "HORRIBLE BROWN COLOR DISCHARGE FORM A PROCESSING PIECE OF EQUIPMENT "FROM B & M METAL RECOVERY & IS CONCERNED ABOUT THE DISCHARGE.

If there are related reports, record initial/master ORIS No. here>>

Follow-up Action: [ ] Abatement [ ] IEB [ ] Other_____
NONE-COMPANY TO BE SUBJECT OF PROACTIVE INSPECTION IN FUTURE RE: AIR

BF Date:

File Closed:
[X] Abatement [ ] IEB [ ] OTHER

Complainant Contact Code [| |]

Date

Suspected [19] Violation

Report Prepared by: MARTIN MCCONNOCHIE
Date 2002/10/22

IEB Investigator

IEB BF Date

Approving Officer: MARK DUNN
Date 2002/10/23

Reviewing Officer

Date

Specify number(s) for routing original [ ] [ ] [ ] [ ] Continued [ ] Yes
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ]
1. Investigator/E.O. 2. D.O./File 3. SAC (initial spills)
4. Reg.Dir./_____Mgr. 5. IEB Reg.Spv 6. IEB H.O./file 7. Other _____

SAC Action Class: 1:[ ] 2:[ ]

SAC Action Class: 1:[ ] 2:[ ]

received MM. 01 05 24.

Ministry of Environment and Energy

s.21

OCCURRENCE REPORT
==========
PAGE: 1

Entered: 2001/05/18 15:15
Batch : 2001/05/18
Abstracts[00] Diaries[00]

Received By
HAMILTON DISTRICT

ORIS No.
9920007868

I.E.B. No.

Occurrence Type: COMPLAINT
Subtype: SMOKE

Work Plan [ ]

Date Occurrence: 2001/05/18

Time 01:30

Reported by (Name/Organization)
[redacted]

Report to MOE: 2001/05/18 02:00
MOE at Scene:

Telephone No. [redacted]

Alternate No. X

Assigned To: MM

Address:
[redacted]

Postal Code: L8R 2H3

ERP Contacted:
Callout: [ ] NSP: [ ]
ERP Name:

Location of Occurrence:
HAMILTON CITY

Source:
B & M RECYCLING

Sector: [ ] Source: [ ] SIC: [ ]

WEST CENTRAL HAMILTON DISTRICT
Reg.[2] Dist.[HA] Municipality[16103]

UTM:
N: [ ] E: [ ] Zone: [ ]

Syn:BLACK PLUME OF SMOKE FROM STACK

Brief Summary:
THE CALLER WENT [redacted] AT LUNCH A SAW BILLOWING BLACK SMOKE COMING FROM A STACK AT B&M RECYCLING. [redacted] WATCHED FOR AWHILE AND IT DIDN'T STOP SO SHE CALLED THEM TO ASK WHAT THEY WERE BURNING AND THEY SAID THEY DIDN'T KNOW. [redacted] SAID HAD THE WINDOWS BEEN OPEN THE SMOKE WOULD HAVE COME INSIDE IF THE WIND WAS BLOWING IN THE RIGHT DIRECTION. THIS CALLER WANTS TO KNOW WHAT IT WAS THEY WERE BURNING.

If there are related reports, record initial/master ORIS No. here>>

Follow-up Action: [ ] Abatement [ ] IEB [ ] Other_____ BF Date:

File Closed:
[ ] Abatement [ ] IEB [ ] OTHER

Complainant Contact Code [| |]

Date

Suspected [ ] Violation

Report Prepared by:

Date

IEB Investigator

IEB BF Date

Approving Officer

Date

Reviewing Officer

Date

Specify number(s) for routing original [ ] [ ] [ ] [ ] Continued [ ] Yes

Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ]
1. Investigator/E.O. 2. D.O./File 3. SAC (initial spills)
4. Reg.Dir./_____Mgr. 5. IEB Reg.Spv 6. IEB H.O./file 7. Other _____

SAC Action Class: 1:[ ] 2:[ ]

Ontario Ministry of Environment
Central Laboratory - 125 Resources Road
FINAL REPORT (manager)
Apr 27, 2001 09:15 am
Login: C80342

LOGIN DESCRIPTION: MISSISSAUGA-PEEL MCCONNOCHIE. MOE-SWAT/SCARBOROUGH 416-314-0882

Program Code: 130033001

Program : MOEE OPERATIONS DIVISION
Study : SPILLS
Project : WEST CENTRAL REGION ADO
Activity : IMPACT ASSESSMENT

Organization: 132010014422

Mail this copy to:

MCCONNOCHIE, MARTIN
HAMILTON DISTRICT OFFICE
119 KING STREET WEST
HAMILTON, ONT
L8P 4Y7

Final reports to: MCCONNOCHIE, MARTIN

Inquires to: [redacted] s.21

'01 APR 30

s.21

Ministry of Environment and Energy

OCCURRENCE REPORT

PAGE: 1

Entered: 97/05/09 07:57
Batch : 97/05/09
Abstracts[00] Diaries[00]

Received By
HAMILTON DISTRICT

ORIS No.
9720001228

I.E.B. No.

Occurrence Type: COMPLAINT
Subtype: NOISE

Work Plan [11]

Occurrence: Date

Time

Reported by (Name/Organization)

[redacted]

Report to MOE: 97/05/05 10:30
MOE at Scene:

Telephone No. [redacted]

Alternate No.
X

Assigned To:

Address:
[redacted]

Postal Code:

ERP Contacted:
Callout: [ ] NSP: [ ]
ERP Name:

Location of Occurrence:
[redacted]

WEST CENTRAL HAMILTON DISTRICT
Reg.[2] Dist.[HA] Municipality[16101]

Source:
B & M METAL RECYCLING
239 CAROLINE ST NORTH
HAMILTON
Sector: [ME] Source: [OT] SIC: [ ]
UTM:
N: [4787000] E: [594000] Zone: [17]

Syn:OBJECTIONABLE NOISE

Brief Summary:
ONGOING OBJECTIONABLE NOISE FROM AIR EXHAUST FAN ON BAGHOUSE.

Left message on July 3/97

If there are related reports, record initial/master ORIS No. here>>

Follow-up Action: [ ] Abatement [ ] IEB [ ] Other_____ | BF Date:

File Closed:
[✓] Abatement [ ] IEB [ ] OTHER

Complainant Contact Code [| |]

Date

Suspected [ ]Violation

Report Prepared by:

Date

IEB Investigator

IEB BF Date

Approving Officer

Date

Reviewing Officer

Date

Specify number(s) for routing original [ ] [ ] [ ] [ ] Continued [ ] Yes
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ]
1. Investigator/E.O. 2. D.O./File 3. SAC (all spills)
4. Reg.Dir./_____Mgr. 5. IEB Reg.Spv 6. IEB H.O./file 7. Other _____

SAC Action Class: 1:[ ] 2:[ ]

July 4, 1997

s.21 [redacted] left a voice-mail to thank us for the follow-up. As the result of their discussions with Mr. Ray Belanger of B&M Metals, ;Mr. Belanger has installed a noise barrier around the baghouse. This measure has greatly reduce the noise and at this time, [redacted] neighbours no longer require our services.

Occurrences No. 9720001228, 9720001226, 9720001227.

Closed July 4, 1997

Ministry of Environment and Energy

s.21

OCCURRENCE REPORT

PAGE: 1

Entered: 97/05/09 07:54
Batch : 97/05/09
Abstracts[00] Diaries[00]

Received By
HAMILTON DISTRICT

ORIS No.
9720001226

I.E.B. No.

Occurrence Type: COMPLAINT
Subtype: NOISE

Work Plan [11]

Occurrence Date:

Time

Reported by (Name/Organization)

[redacted]

Telephone No. [redacted] X

Alternate No. - - X

Address:

[redacted]

Postal Code: 000 000

Report to MOE: 97/05/05 10:30
MOE at Scene:

Assigned To:

ERP Contacted:
Callout: [ ] NSP: [ ]
ERP Name:

Location of Occurrence:

[redacted]

WEST CENTRAL HAMILTON DISTRICT
Reg.[2] Dist.[HA] Municipality[16101]

Source:
B & M METALS

Sector: [ ] Source: [ ] SIC: [ ]
UTM:
N: [4787000] E: [594000] Zone: [17]

Syn:OBJECTIONABLE NOISE

Brief Summary:
ONGOING OBJECTIONABLE NOISE FROM AIR EXHAUST FAN ON BAGHOUSE.

If there are related reports, record initial/master ORIS No. here>>

Follow-up Action: [ ] Abatement [ ] IEB [ ] Other_____

BF Date:

File Closed:
[✓] Abatement [✓] IEB [ ] OTHER

Complainant Contact Code [| |]

Date

Suspected [ ]Violation

Report Prepared by:

Date

IEB Investigator

IEB BF Date

Approving Officer

Date

Reviewing Officer

Date

Specify number(s) for routing original [✓] [ ] [ ] [ ] [ ] Continued [ ] Yes
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ] [ ]
1. Investigator/E.O. 2. D.O./File 3. SAC (all spills)
4. Reg.Dir./_____Mgr. 5. IEB Reg.Spv 6. IEB H.O./file 7. Other _____

SAC Action Class: 1:[ ] 2:[ ]

s.21

Ministry of Environment and Energy

OCCURRENCE REPORT
PAGE: 1

Entered: 97/05/09 07:55
Batch : 97/05/09
Abstracts[00] Diaries[00]

Received By
HAMILTON DISTRICT

ORIS No.
9720001227

I.E.B. No.

Occurrence Type: COMPLAINT
Subtype: NOISE

Work Plan [11]

Date Occurrence:

Time

Reported by (Name/Organization)
[redacted]

Report to MOE: 97/05/05
MOE at Scene:

10:30

Telephone No. [redacted] Alternate No. X

Assigned To:

Address:
[redacted]

Postal Code:

ERP Contacted:
Callout: [ ] NSP: [ ]
ERP Name:

Location of Occurrence:
[redacted]

WEST CENTRAL HAMILTON DISTRICT
Reg.[2] Dist.[HA] Municipality[16101]

Source:
B & M METALS

Sector: [ ] Source: [ ] SIC: [ ]
UTM:
N: [4787000] E: [594000] Zone: [17]

Syn:OBJECTIONABLE NOISE

Brief Summary:
ONGOING OBJECTIONABLE NOISE FROM AIR EXHAUST FAN ON BAGHOUSE.

If there are related reports, record initial/master ORIS No. here>>

Follow-up Action: [ ] Abatement [ ] IEB [ ] Other_____ | BF Date:

File Closed:
[ ] Abatement [ ] IEB [ ] OTHER

Complainant Contact Code [| |]

Date

Suspected [ ]Violation

Report Prepared by:

Date

IEB Investigator

IEB BF Date

Approving Officer

Date

Reviewing Officer

Date

Specify number(s) for routing original [ ] [ ] [ ] [ ] [ ] Continued [ ] Yes
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ] [ ]
1. Investigator/E.O. 2. D.O./File 3. SAC (all spills)
4. Reg.Dir./_____Mgr. 5. IEB Reg.Spv 6. IEB H.O./file 7. Other _____

SAC Action Class: 1:[ ] 2:[ ]

Ministry of Environment and Energy

OCCURRENCE REPORT

PAGE: 1

Entered: 97/01/09 09:20
Batch : 97/01/09
Abstracts[00] Diaries[00]

Received By
BRUCE CARLIN

ORIS No.
9700000258

I.E.B. No.

Occurrence Type: NOTIFICATION
Subtype: COND. OF OPER.

Work Plan [11]

Occurrence: Date 97/01/09 Time 09:11

Reported by (Name/Organization)
KATHY BELANGER
B & M METAL RECYCLING
Telephone No. Alternate No.
905-527-2727 X X
Address:
239 CAROLINE ST
HAMILTON
Postal Code:

Report to MOE: 97/01/09 09:15
MOE at Scene:

Assigned To:

ERP Contacted:
Callout: [ ] NSP: [ ]
ERP Name:

Location of Occurrence:
HAMILTON CITY
239 CAROLINE ST.

WEST CENTRAL HAMILTON DISTRICT
Reg.[2] Dist.[HA] Municipality[16101]

Source:
B & M METAL RECYCLING
HAMILTON PLANT
239 CAROLINE STREET NORTH
Sector: [ME] Source: [OP] SIC: [2959]
UTM:
N: [4790800] E: [591550] Zone: [17]

Syn:B & M METAL RECYCLING HIGH OPACITY FROM FURNACE

Brief Summary:
CALLER REPORTS THAT THERE WAS BLACK SMOKE COMING OUT OF THEIR FURNACE AND AS A RESULT THEY ARE SHUTTING IT DOWN TO INSPECT THE FURNACE. THE SMOKE IS CLEARING UP AT THIS TIME.

If there are related reports, record initial/master ORIS No. here>>

Follow-up Action: [ ] Abatement [ ] IEB [ ] Other_____ | BF Date:

File Closed:
[ ] Abatement [ ] IEB [ ] OTHER

Complainant Code [| |]

Contact Date

Suspected [ ]Violation

Report Prepared by: Date

IEB Investigator IEB BF Date

Approving Officer Date

Reviewing Officer Date

Specify number(s) for routing original [ ] [ ] [ ] [ ] Continued [ ] Yes
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ]
1. Investigator/E.O. 2. D.O./File 3. SAC (all spills)
4. Reg.Dir./_____Mgr. 5. IEB Reg.Spv 6. IEB H.O./file 7. Other _____

SAC Action Class: 1:[ ] 2:[ ]

OCCURRENCE REPORT CONT'D

PAGE: 2

ORIS No.: 9700000258 IRB No.:

Material 1: SMOKE — Code..: 31
Amount: UKN 5 MIN — UN No.:
Material 2: — Code..:
Amount: — UN No.:

Cause.....: START-UPS/SHUTDOWNS/INTERRUPTIONS — Code..: 21
Reason.....: UNKNOWN — Code..: 98

Person in Control: B & M METAL RECYCLING — Waste GenNum:
Owner .....: B & M METAL RECYCLING — Waste GenNum: 0579100
Agencies Involved.....:

Clean up and Restoration Carried out by:
[N] Controller [N] Owner [N] Other

% Cleaned up: 0.00 Estimated Cost: $
Were Directions or Approval Given Under
RPA Part X [N] Regulation 362 [N] | Manifest No.

Waste Class: NOT APPLICABLE — Code..: 000
Hauler: — Code..:
Disposal Site: — Code..:

Environmental Impact: | Nature of Impact:
POSSIBLE | Air Pollution — Code..: 08

People/Business Damaged
(Other than to Owner/Controller)

Nature of Damage: — Code..:

---

s.21

1616AH (03/94)

[redacted]

Here is the copy of P. M. Metals stack testing report.
A cursory review shows that the results are acceptable. If you require a full review please let us know.

with the compliments of

avec les hommages de

[redacted]

Science and Technology Branch
Direction des sciences et de la technologie

2 St. Clair Avenue West
14th Floor
Toronto, Ontario
M4V 1L5
Tel. No. (416) 323-5200
Fax No. (416) 323-5031

2, avenue St. Clair ouest
14e étage
Toronto (Ontario)
M4V 1L5
Téléphone : (416) 323-5200
Télécopieur : (416) 323-5031

Ontario

Ministry of Environment and Energy

Ministère de l'Environnement et de l'Énergie

MANN

AP02
B&M
Metals -

S1 HWHACA 100

SCRAP WIRE SWEATING FURNACE
TSP & LEAD EMISSIONS

Presented to:

B&M Metal Recycling
239 Caroline St. North
Hamilton, ON L8R 2S3

Prepared by:

MANN TESTING LABORATORIES LTD.
5550 McAdam Road
Mississauga, Ontario
L4Z 1P1

September 1993

MANN TESTING LABORATORIES LTD.
5550 McADAM ROAD, MISSISSAUGA, ONTARIO L4Z 1P1
PHONE: 890-2555 • TELEX: 06-960496

September 9, 1993

Mr. Ray Belanger
B&M Metal Recycling
239 Caroline St. North
Hamilton, ON L8R 2S3

Re: C Of A Reference No. 8-2035-79-006
Scrap Wire Sweating Furnace, TSP & Lead Emissions

Dear Mr. Belanger:

Please find attached *Mann Testing Laboratories Ltd.* report on the above noted work. For your convenience we have included two copies.

We thank you for the opportunity to present our report and look forward to hearing from you at your earliest convenience. Please contact myself if you have any questions.

Yours very truly,

Rod Ennis-Smith
Assistant Manager
Air Emissions and Control Department

RES:jv
Encls.

MANN

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Appendix D Detailed Production Data
Appendix E Compiled And Field Data Sheets
Appendix F Certificates Of Analyses
Appendix G Dispersion Modelling Raw Rata

1.0 INTRODUCTION

Atmospheric emissions of lead are a concern since lead is a neurotoxin and is a cumulative poison which can attack the nervous system at extremely low concentrations. Lead is particularly harmful to small children and can have severe effects on brain development. There is also uncertainty regarding how lead moves through the environment, the rate it breaks down, how it may combine with other pollutants or if it may build up and be stored in the food chain.

B&M Metal Recycling are the proponents of a scrap wire reclamation furnace. To control atmospheric emissions of lead and particulate a venturi scrubber is employed. To comply with the terms and conditions of the CofA for reclaiming lead sheathed cable and wire Advanced Integrated Resources (AIR) and B&M Metals requested *Mann Testing Laboratories Ltd.* to determine:

- The emissions of particulate and lead exhausted from the furnace; and
- The compliance status as compared to the regulated point of impingement concentration.

1.1 Terms of Reference

Mann Testing Laboratories Ltd. is pleased to provide the B&M Metals with the following report to determine the emission rates of particulate and lead exhausted from a scrapwire reclamation furnace/venturi scrubber system located at:

B&M Metal Recovery, 239 Caroline St. North, Hamilton, ON L8R 2S3

Our understanding of the terms of reference were based on the Certificate of Approval number 8-2035-79-006 as attached in Appendix A.

1.2 Mann Testing Laboratories

Mann Testing Laboratories Ltd. (MTL) is recognized Canada wide for it's continuing commitment to excellence and has over twenty-two years of experience in chemical analysis and environmental testing.

MTL has built an unequalled reputation in the analysis of environmental organic and inorganic contaminants in all matrices. This is demonstrated in many of the interlaboratory check-sample programmes, round robins and interlaboratory QA/QC studies. Pursuing and producing precise quality data is our philosophy *MTL*. We have faithfully attended to this requirement throughout the operation.

2.0 PROCESS/SOURCE DESCRIPTION

2.1 Process Description

The scrap wire sweating furnace (United Corporation model W300D) has a nominal charging capacity of 600 pounds per hour. Scrap wire is charged via fork lift into the primary chamber approximately every two hours. The wire insulation comprises approximately 25% (by weight) of the charge. The furnace gases from the primary chamber are exhausted through a gas fired afterburner with a heat output of 2.3 x 10^6 KJ/h with 20% excess air.

Separation of lead by sweating is made possible by the differences in the metallic melting point temperatures. Some of these melting temperatures are:

Tin	450	°F
Lead	621	°F
Zinc	787	°F
Aluminum	1,220	°F
Copper	1,981	°F

When the material charged into the sweating furnace contains a combination of two or more metals, it is separated by carefully controlling the furnace temperature so that the metal with the lower melting point is sweated when the furnace temperature is maintained slightly above its melting point. After the lead has been melted and tapped into ingots, the metals with the higher melting points (typically copper and aluminum) are removed from the hearth via fork lift.

A schematic of the furnace layout is shown in Figure 1.

2.2 Process Abatement Controls

Furnace afterburner emissions are ducted to the venturi scrubber by closing the stack isolation damper as shown in Figure 2.

The scrubber is designed to operate at approximately 120 USGPM with a pressure drop of 30 inches of water column. To control emissions of water vapour a Watson mist eliminator is employed.

The scrubber layout is shown in Figure 3.

2.3 Source Description

Scrubbed furnace emissions are exhausted into the atmosphere (16.8 meters above grade) via a 16 inch diameter stack as shown in Figure 4.

Approximately 1,820 ACFM of gas at 177°F or 1000 SCFM are exhausted.

To determine the atmospheric emissions of lead the stack gases were sampled from an ideal sampling location eight pipe diameters downstream and three pipe diameters upstream from the nearest flow disturbance as shown in schematically and pictorially in Figures 5 and 6 respectively.

3.0 WORK PROGRAM

The following work program was developed with AIR to provide B&M metals with representative, accurate confirmation regarding:

- sampling of particulate and lead emission; and
- process and system operating parameters during testing.

The following outlines the strategies and the level of effort required which *MTL* believes to be appropriate.

3.1 Control Parameters

Obtaining precise quality data using correct testing and sampling equipment and methodologies is critical if the samples obtained are to be truly representative of the process. Therefore, the testing and sampling was conducted over an appropriate period of time under documented and steady state furnace/afterburner/scrubber operating conditions.

The routine process operating conditions are defined by the "control parameters" such as temperature, pressure drops, flowrates and charging rates, which all can be reliably measured prior to, and during the operation. The ranges of acceptable operating conditions are determined from the emission investigation. As long as the process is operated within these ranges, it is assumed to be operating under the same conditions. Therefore, it was necessary to record the control parameters throughout the emission investigation.

Control parameters fall under the following two classifications:

- **System Parameter**, defined as basic design specifications that typically are fixed for a given furnace, afterburner and scrubber configuration.

- **Operating Parameters,** defined as changeable parameters that control the day-to-day performance of the furnace, afterburner and scrubber.

System parameters are functions of the design and construction of the process and normally cannot be changed once the furnace is built. They include:

- Size and shape of the furnace/afterburner;
- System configuration;
- Size of vents and ducts;
- Capacity of the fans and pumps;
- Location and type of monitoring equipment;
- Type and configuration of the air pollution control equipment (APCE); and

The relevant system parameters have been previously referenced in Figures 1 through 5.

Operating parameters are easily changed to accommodate for fluctuations in the process the charging rates and other constantly changing parameters. These parameters may include:

- Temperature of burners;
- Pressure at various points in the system and pressure drops across the scrubber;
- Charging rates; and
- Air Pollution Control Equipment-related parameters, i.e., pressure drop, and fan speed, scrubbing solution flow rate and pH.

The following operating parameters are presently recorded daily and were recorded throughout the emissions investigation.

Furnace	*Process Operating Parameters*
• Furnace primary chamber temperature, °F;	950 - 1050
• Furnace secondary temperature, °F;	1610
• Charging rate lbs/hr; and	300-400 lbs lead
• Stack damper setting, % open/closed.	100% closed

Venturi Scrubber	
• Pressure drop, in H_2O;	25 - 30
• Pressure at nozzles, PSI;	20
• Scrubbing solution, pH; and	7-12
• Exit temperature, °F.	168

Afterburner	
• Stack Temperature, °F	1635 - 1660

3.2 Testing Strategy

The quality of the data produced from the work program will ultimately be based on the representativeness of the samples obtained. It is, therefore, vital that they be correctly taken and that any deviations from complete representation be ascribed only to chance. With this objective in mind the following sampling strategy was used to satisfy the conditions as required in the Certificate of Approval.

All daily testing runs were documented with appropriate process operating parameters.

The furnace stack was tested during three runs, over three days (one compliance test equals three runs) adopting the following strategy:

- The 16 inch diameter stack was divided into four equal areas per traverse as shown in Figure 7;
- Each point was sampled for 21 minutes;
- Readings and isokinetic adjustments recorded every 3 minutes; and
- Probe moved thirty seconds prior to next point.

3.3 Continuous Process Operator Communications

For safety reasons and to ensure that field staff were promptly notified of process operating parameters and interruptions/upsets, one designated operator stayed in walkie-talkie communication with the sampling team.

4.0 TESTING METHODOLOGIES AND INSTRUMENTATION

4.1 Determination Of Sampling/Site Location

The stack gas sampling site and traverse point locations were selected following the Ontario Source Testing Code (OSTC) Reference Method 1.

4.2 Determination of Stack Gas Velocity and Volumetric Flow Rate

The stack gas velocity pressures were taken adopting a pre-calibrated "S" type pitot tube as per Reference Method 2 of the OSTC.

4.3 Determination of Stack Gas Molecular Weight

The molecular weight of the stack gas was determined following Reference Method 3 of the OSTC adopting a LANCOM 3500 continuous emission monitor.

1) LANCOM Model 3500
   - O_2;
   - SO_2;
   - NO, NO_2 and NO_x, and
   - CO, CO_2.

Each LANCOM run was conducted for approximately one hour per run. One "reading" was taken every five minutes from a stationary representative point which was determined prior to testing.

4.4 Determination of Stack Gas Moisture Content

The proportion of water vapour in the gas stream was determined following Reference Method 4 of the OSTC.

4.5 Determination Of Particulate And Lead

The concentration of Lead was determined following Standard Reference Methods For Source Testing: Measurement of Emissions Of Particulate Matter And Lead From Secondary Lead Smelters. The sampling train consisted of five impingers containing:

Impinger No. 1	100 ml, 5% Aqua Regia
Impinger No. 2	100 ml, 5% Aqua Regia
Impinger No. 3	100 ml, Deionized Water
Impinger No. 4	Empty
Impinger No. 5	400 g, Silica Gel

5.0 QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC)

Prior to conducting source sampling all Andersen sampling instrumentation was calibrated to meet the requirements stated in the OSTC. Calibration certificates/records for the following items were on-site for inspection and are included in Appendix B.

- Dry Gas meter Calibration check - (on site verification once before and after testing as shown in Appendix C);
- Nozzle inner diameters;
- Probe assembly;
- Thermocouples; and
- Dry gas meter.

5.1 Instrumentation And Train Preparation

Sampling train preparation was limited to washing the glass sampling probe and impingers.

5.2 Sample Recovery

After testing, each impinger train was sealed with parafilm and locked in an Anderson transport case, only the probe and sampling nozzle were recovered on-site.

5.3 Sample Analysis

The probe wash, filter and impingers were analysed by *Mann Testing Laboratories Ltd.* in their Mississauga facility following stringent Quality Control and Quality Assurance procedures. Samples were analysed by ICP with an analytical detection limit of 12.5 μg with an in-stack approximate detection limit of 0.055 μg/l or 1.83×10^{-5} ppm.

5.4 Data Reduction, Validation, Assessment and Reporting

Analytical data reduction, validation and reporting by the laboratory followed *MTL's* most stringent internal SOPs. The SOPs include, but are not limited to the following:

- Raw data produced and checked by the responsible analyst is turned over for independent review by another analyst.
- The area supervisor reviews the data for attainment of quality control criteria presented in the referenced analytical methods.
- Upon completion of all reviews and acceptance of the raw data by the laboratory operations manager, a report will be generated and sent to the laboratory quality assurance officer.
- The laboratory quality assurance officer will complete a thorough inspection of all reports.
- The QA officer and area supervisor will decide whether any sample re-analysis is required.
- Upon acceptance of the preliminary reports by the QA officer, final reports will be generated and signed by the laboratory manager.

6.0 EMISSION TESTING RESULTS

6.1 Process Operating Parameters

During September 1, 2 and 3, 1993 three consecutive source test were performed at a maximum achievable production rate.

During the time of testing the average process operating parameters were:

	Lead Sweated (lbs)	Furnace Temp. (°F)	After Burn. Temp. (°F)	Stack Temp. (°F)	Venturi Press. (in H_2O)	Blower (Amps)
TEST 1	7441	985	1655	157	27	16
TEST 2	5285	1064	1635	156	27	16
TEST 3	4494	1003	1639	156	27	16

The detailed process data are shown in Appendix D.

6.2 Emission Testing Parameters

The average emission testing parameters are:

Parameters	Unit	Average
Test Duration	min	168
As = Stack Cross Sectional Area	ft^2	1.396
Md = Dry Molecular Weight	lb/lb-mole	29.77
Ms = Wet Molecular Weight	lb/lb-mole	25.83
Ww = Total Weight H_2O Collected	g	1,296.1
Vm = Volumed Sampled at Meter Condition	ft^3	132.60
Vw(ref) = Volume Water Vapor Collected	ft^3	62.21
Vm(ref) = Standard Dry Gas Volume Sampled	DSCF	123.80

Parameters		Unit	Average
Bwo = Proportion of Water Vapor		%	33.4
Pb = Barometric Pressure		"Hg	29.5
Pstatic = Static Pressure		"H_2O	0.5
Cp = Pitot Tube Coefficient			0.82
Gamma = Dry Gas Meter Correction Factor			1.0
Average	Dp = Stack Velocity Head	"H_2O	0.12
	Ts = Stack Gas Temperature	°F	177
	Us = Stack Gas Velocity	ft/s	21.72
	Q = Actual Stack Gas Flow Rate	ACPM	1,820
	Qs = Dry Standard Stack Gas Flow Rate	DSCFM	1,009
	Meter Temperature	°F	116
	DH = Differential Pressure Across Orifice	"H_2O	1.54
	Isokinetics	%	98.5

The detailed parameters by test are shown in Table 1. The compiled and field traverse and moisture data sheets are shown in Appendix E.

6.3 Analytical Results

The average analytical results are:

	Average for Three Tests			
	TSP (g)	Lead (µg)	Percent Catch TSP	Percent Catch Lead
Filter	0.172	47133	98.2	95.8
Probe Wash	0.00137	1980	0.8	4.0
Impinger 1	0.00077	91.4	0.4	0.2
Impinger 2	0.00098	15.9	0.6	0.0
Total	0.1748	49221	100	100

The detailed analytical results per test are shown in Table 2. The certificates of analyses are shown in Appendix F.

6.4 TSP and Lead Concentrations

The average TSP and Lead concentrations were:

Contaminant	Unit	Average
Lead	mg/m^3	14.13
TSP	mg/m^3	50.21

The detailed TSP and Lead concentrations per test are shown in Table 3.

6.5 TSP and Lead Emission Rates

The average TSP and Lead Emission Rates are:

Contaminant	Unit	Average
Lead	mg/s	6.70
TSP	mg/s	23.81

The detailed TSP and Lead emission rates per test are shown in Table 4.

Results of the emission tests show that for every ton of lead sweated approximately 5.14×10^{-6} and 1.83×10^{-5} pounds of Lead and TSP are emitted respectively. Since the proportion of lead charged is undetermined the emission factors are valid only for the similar material composites charged.

6.6 Compliance Status

It was assumed that the stack height of 16.8 m is greater than twice the height of the B&M Metals plant roof so that the stack could be modeled as a point emission source.

The maximum ground level concentrations of air contaminants were calculated to occur approximately 290 m downwind of the stack during stable atmospheric conditions (class D) and a wind speed of 2.2 m/s.

Due to the proximity of residences to the B&M Metals plant, contaminant concentrations were also calculated for a receptor height of 9.1 m, corresponding to the height of openable windows on the second floors of the residences. The maximum contaminant concentrations at a height of 9.1 m were calculated to occur at a distance of approximately 120 m downwind of the stack during stable atmospheric conditions (class D) and a wind speed of 2.2 m/s.

The maximum ground level concentrations and the maximum concentrations at 9.1 m receptor heights for lead and total suspended particulate (TSP) were calculated as follows:

Contaminant	Maximum Ground Level Concentrations ($\mu g/m^3$)	Maximum 9.1 M Concentrations ($\mu g/m^3$)
Lead	1.07	2.7
TSP	3.81	9.7

Both the estimated maximum ground level concentrations and the estimated maximum 9.1 m concentrations are below the MOEE 1/2-hour point of impingement (POI) standards for lead and TSP of 10 $\mu g/m^3$ and 100 $\mu g/m^3$ respectively. The maximum 9.1 m lead concentration is approximately 3.7 times lower than the MOEE standard and is of most concern with respect to emissions. The modeling results are directly proportional to emission rates, therefore, the plant cannot increase future lead emission rates by more than a factor of approximately 3.7.

The dispersion modelling raw rata is attached in Appendix G.

Figure 1 Wire Reclaimation Furnace Layout

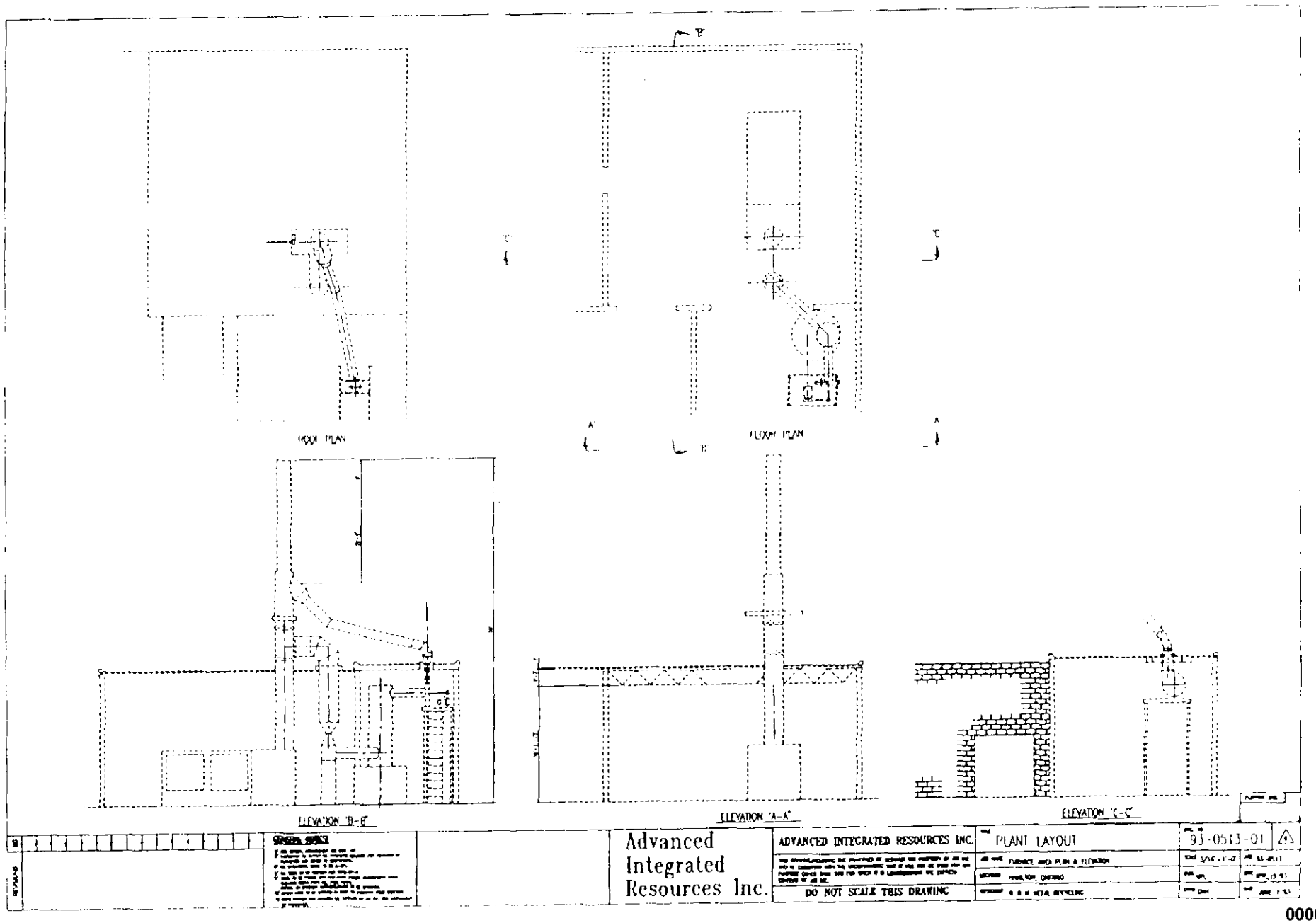

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Figure 2 Scrubber Ducting System

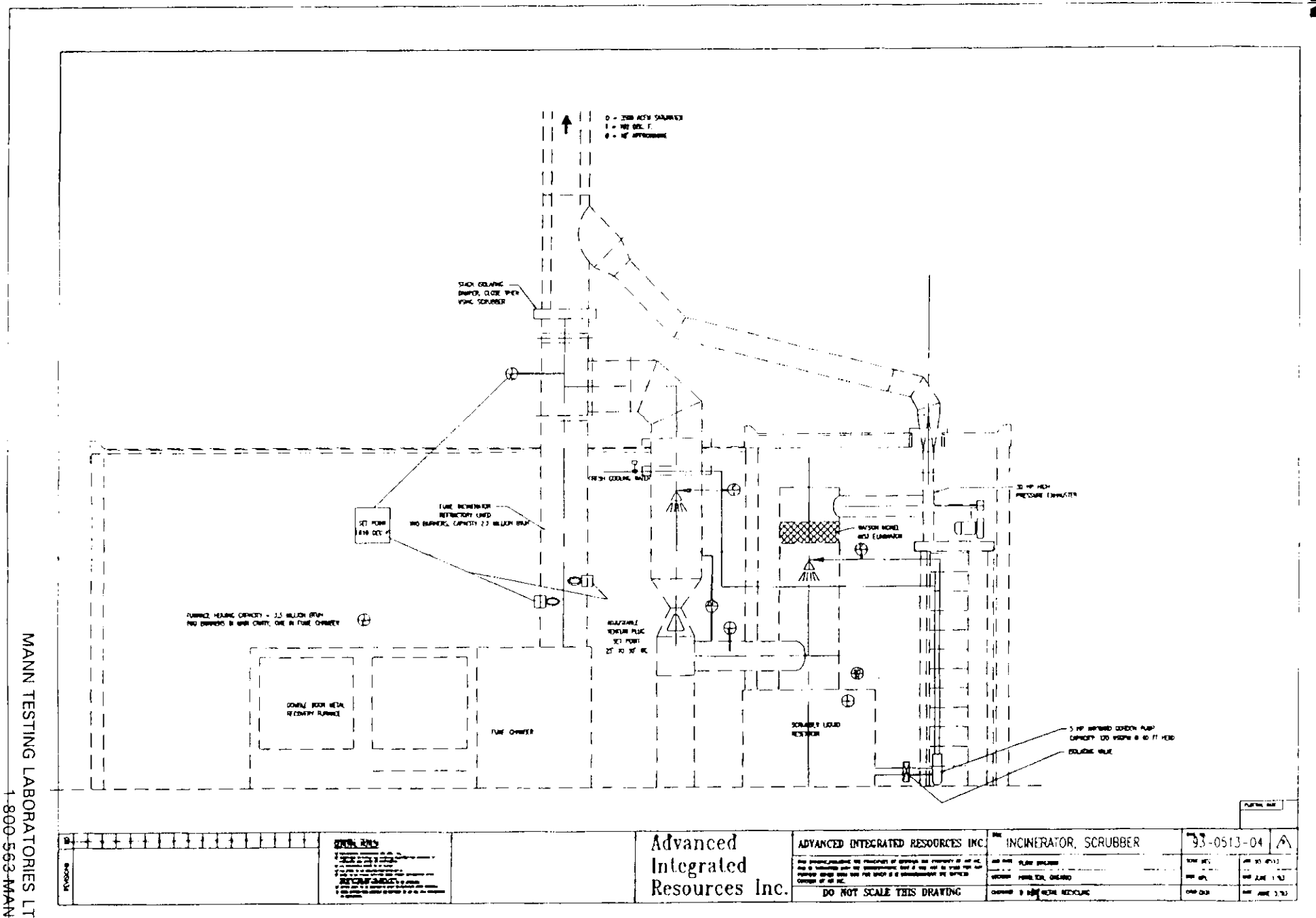

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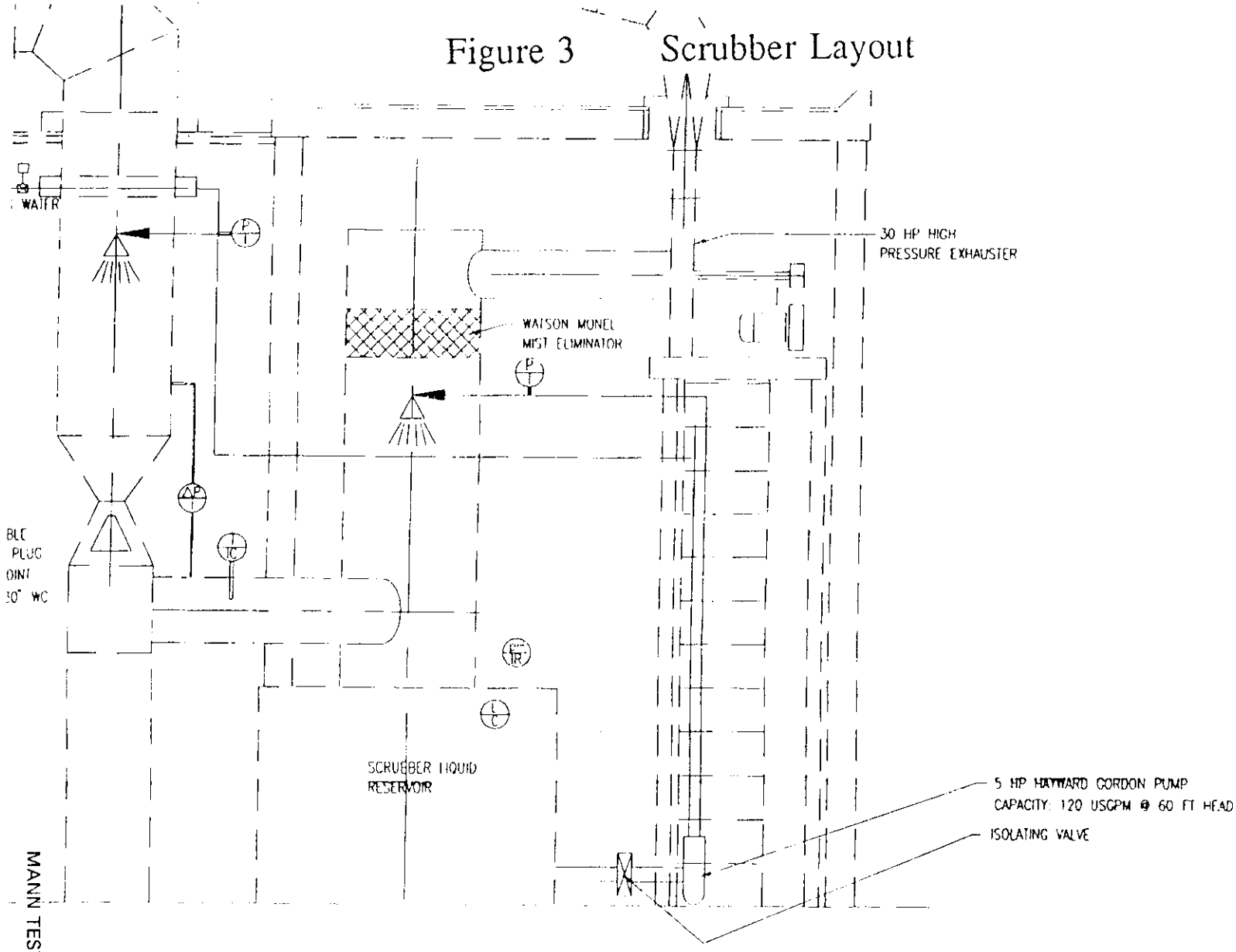
Figure 3 Scrubber Layout



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Advanced Integrated Resources Inc.	ADVANCED INTEGRATED RESOURCES INC.	TITLE INCINERATOR, SCRUBBER	DWG NO 93-0513-04	0
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	DO NOT SCALE THIS DRAWING	LOCATION HAMILTON, ONTARIO	DWN MPL	DATE JUNE 1,'93
		CUSTOMER B & M METAL RECYCLING	CHKD DKH	DATE JUNE 5,'93

PLOTTING DATE

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Figure 4 Stack Elevation

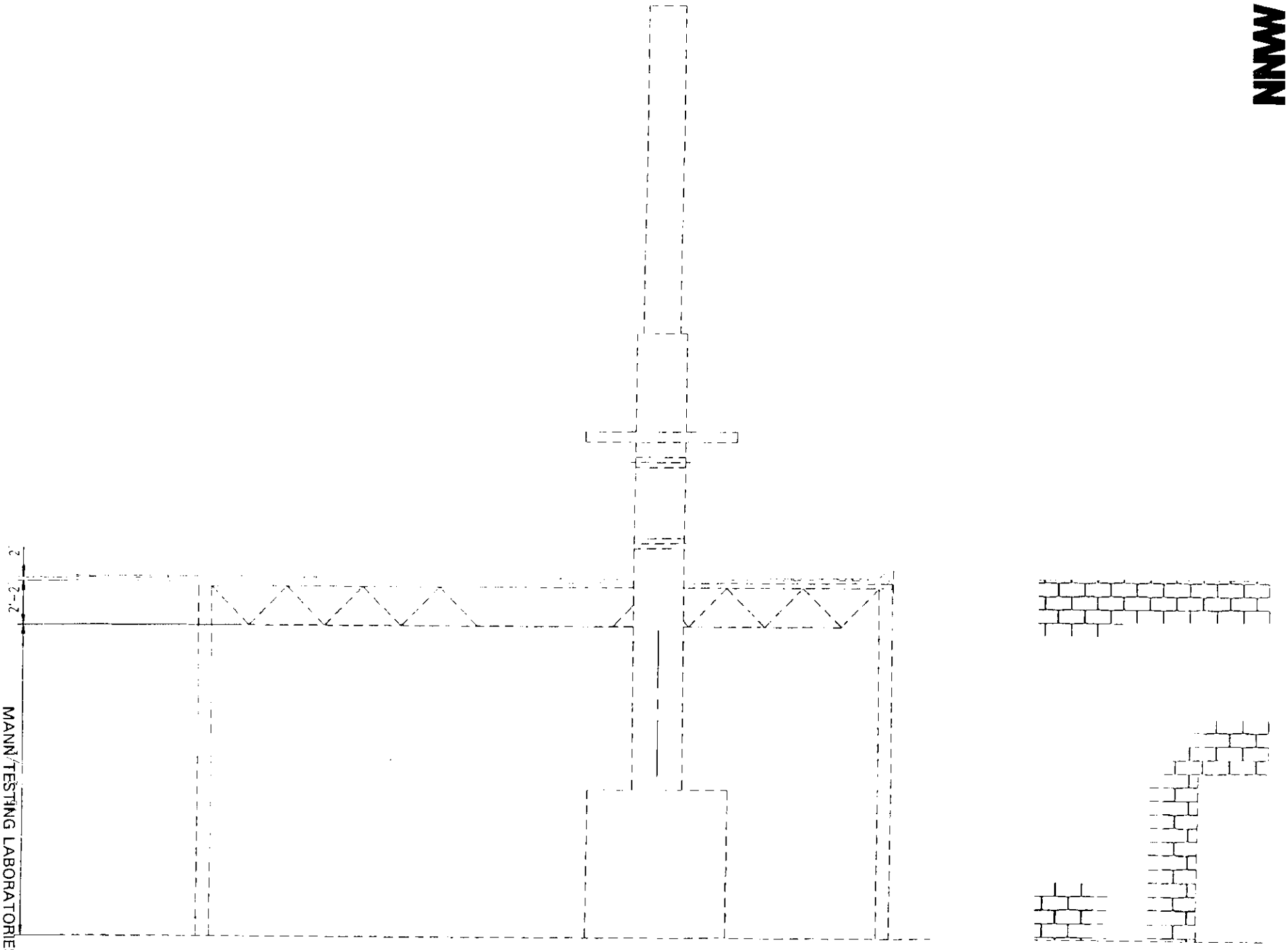

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Figure 5 Stack Sampling Port Locations

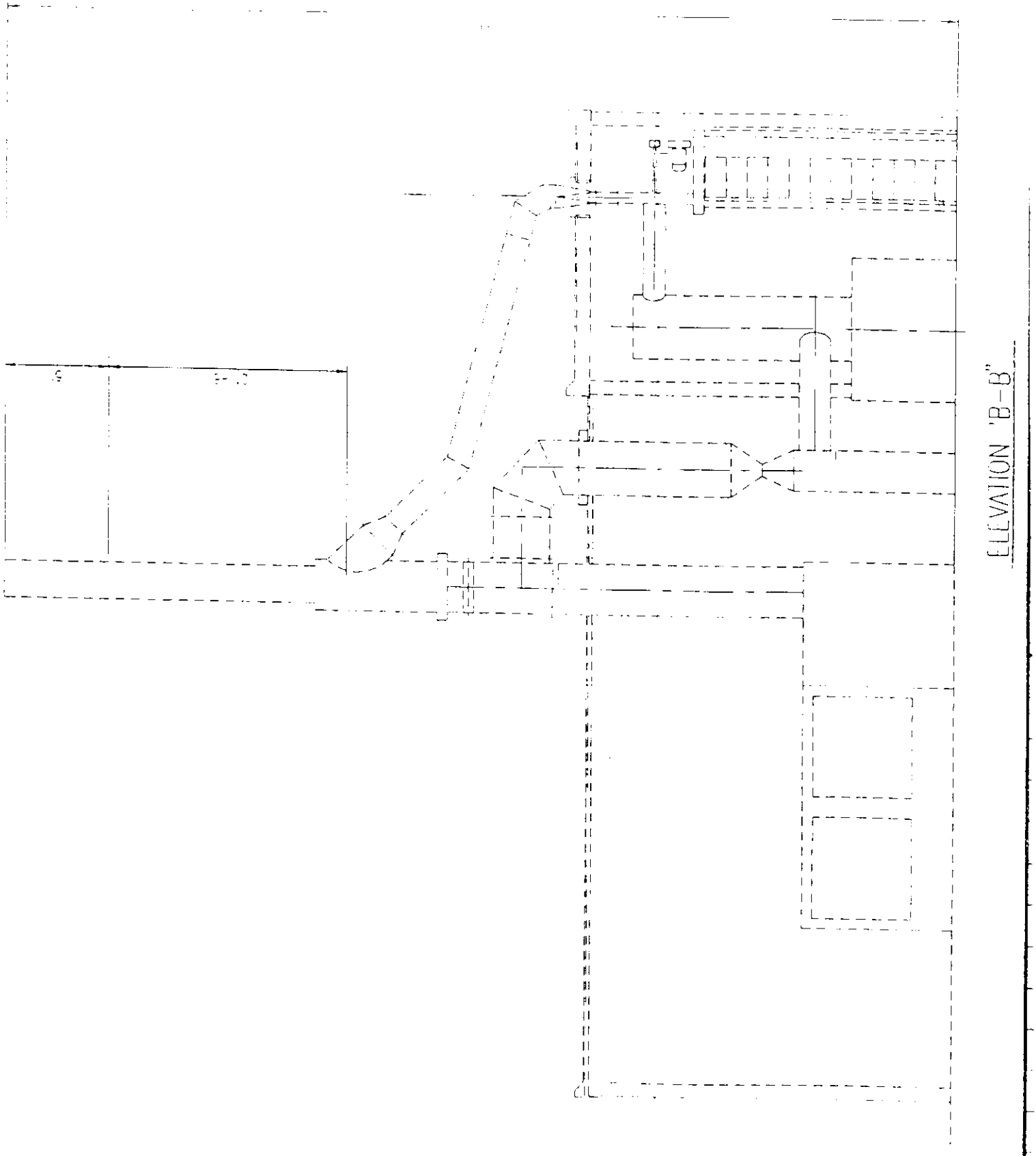

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Figure 6 Stack Sampling Port Locations, Picture

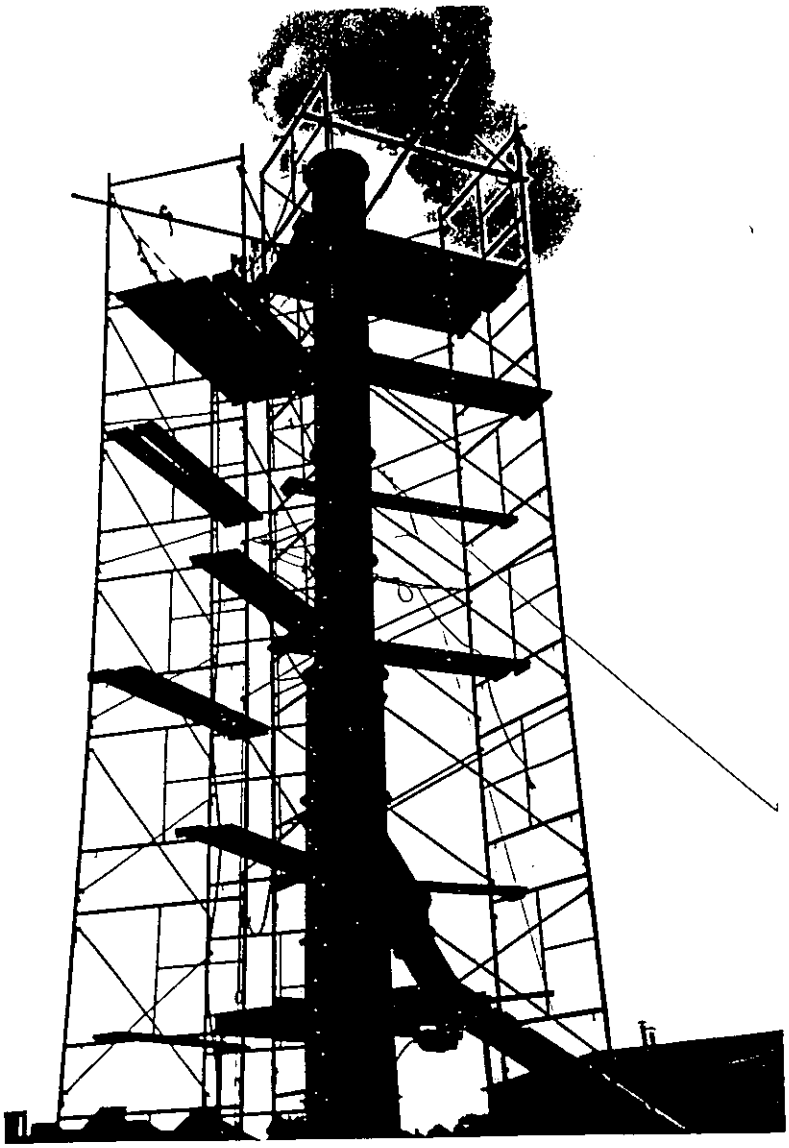

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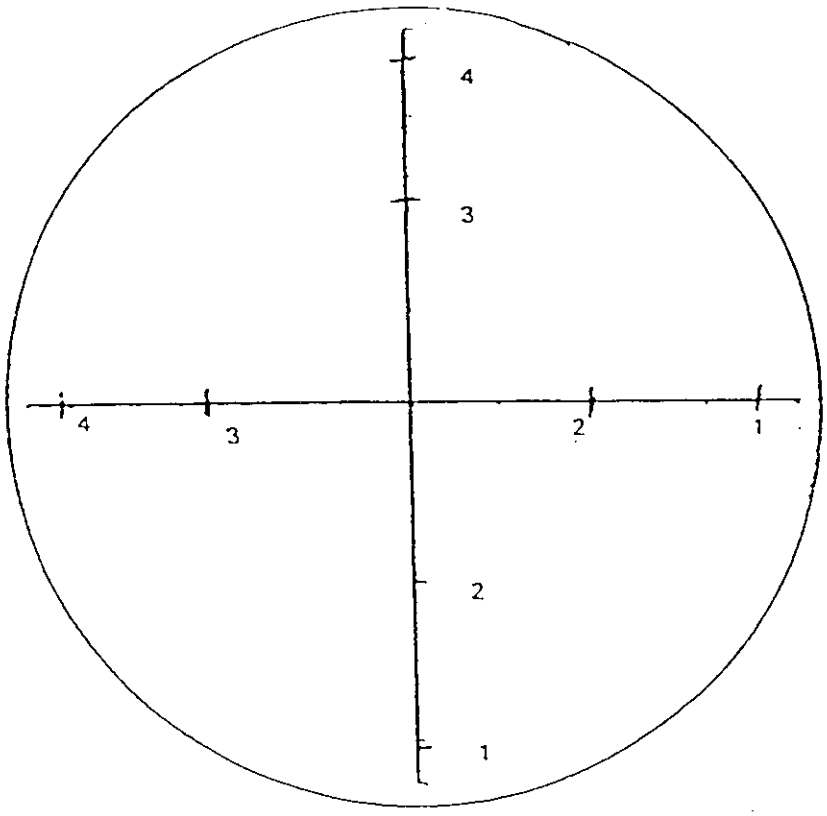
Figure 7 Stack Sampling Point Locations



Stack Diameter = 18 inches

LOCATION OF TRAVERSE POINTS (Inches)	
Point	Horizontal
1	1.21
2	4.50
3	13.50
4	16.79

Table 1 Detailed Emission Testing Parameters

Parameters		Unit	Test #1	Test #2	Test #3	Average
Test Date		mm/dd/yr	09/01/93	09/02/93	09/03/93	-
Start Time		hh/mm am/pm	9:45 am	10:45 am	10:15 am	-
Finish Time		hh/mm am/pm	1:22 pm	1:58 pm	2:00 pm	-
Test Duration		min	168	168	168	168
Leak Check Start		# CFM @ # "Hg	0.002 @ 24	0.001 @ 16	0.001 @ 19	-
Leak Check Finish		# CFM @ # "Hg	0.001 @ 14	0 @ 17	0 @ 20	-
As = Stack Cross Sectional Area		ft²	1.396	1.396	1.396	1.396
Md = Dry Molecular Weight		lb/lb-mole	29.83	29.75	29.71	29.77
Ms = Wet Molecular Weight = Mdx(1-Bwo)+18xBwo		lb/lb-mole	25.85	25.93	25.71	25.83
Ww = Total Weight H2O Collected		g	1211.7	1280.3	1396.2	1296.1
Vm = Volumed Sampled at Meter Condition		ft³	121.80	136.57	139.44	132.60
Vw(ref) = Volume Water Vapor Collected = 0.0480xWw		ft³	58.16	61.45	67.02	62.21
Vm(ref) = Standard Dry Gas Volume Sampled = 17.95xGammaxPmxVm/Tm		DSCF	114.80	127.39	129.20	123.80
Bwo = Proportion of Water Vapor = Vw(ref)/[Vw(ref)+Vm(ref)]x100%		%	33.6	32.5	34.2	33.4
Pb = Barametric Pressure		"Hg	29.4	29.3	29.9	29.5
Pstatic = Static Pressure		"H20	0.5	0.5	0.5	0.5
Cp = Pitot Tube Coefficient			0.82	0.82	0.82	0.82
Gamma = Dry Gas Meter Correction Factor			1.0	1.0	1.0	1.0
Average	DP = Stack Velocity Head	"H2O	0.11	0.12	0.12	0.12
	Ts = Stack Gas Temperature	°F	181	174	177	177
	Us = Stack Gas Velocity = 85.35xCpxsqrt(DPxTs/(MsxPs))	ft/s	20.96	21.89	22.31	21.72
	Q = Actual Stack Gas Flow Rate = 60xAsxUs	ACFM	1756	1834	1869	1820
	Qs = Dry Standard Stack Gas Flow Rate = 60xUsxAsx(1-Bwo)*Tref*Ps/(TsxPref)	DSCFM	961	1028	1039	1009
	Meter Temperature	°F	110	116	120	116
	DH = Differential Pressure Across Orifice	"H2O	1.40	1.58	1.64	1.54
	Isokinetics = [TsxVm(ref)/timexGammax1/(1-Bwo)x(Pb+DH/13.6)x100]/[0.372xTmxPsxUsxDn²]	%	95.6	98.8	101.1	98.5

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Table 2 Detailed Analytical Results

	Test #1			
	TSP (g)	Lead (µg)	Percent Catch TSP	Percent Catch Lead
Filter	0.197	50700	98.7%	92.3%
Probe Wash	0.0011	4210	0.6%	7.7%
Impinger 1	0.00083	27.5	0.4%	0.1%
Impinger 2	0.00066	16.8	0.3%	0.0%
Total	0.1996	54954	100%	100%

	Test #2			
	TSP (g)	Lead (µg)	Percent Catch TSP	Percent Catch Lead
Filter	0.116	38600	97.0%	96.4%
Probe Wash	0.00129	1220	1.1%	3.0%
Impinger 1	0.00073	189	0.6%	0.5%
Impinger 2	0.00154	12.5	1.3%	0.0%
Total	0.1196	40022	100%	100%

	Test #3			
	TSP (g)	Lead (µg)	Percent Catch TSP	Percent Catch Lead
Filter	0.202	52100	98.4%	98.9%
Probe Wash	0.00172	511	0.8%	1.0%
Impinger 1	0.00076	58	0.4%	0.1%
Impinger 2	0.00075	18.4	0.4%	0.0%
Total	0.2052	52687	100%	100%

	Average for the Tests			
	TSP (g)	Lead (µg)	Percent Catch TSP	Percent Catch Lead
Filter	0.172	47133	98.2%	95.8%
Probe Wash	0.00137	1980	0.8%	4.0%
Impinger 1	0.00077	91.4	0.4%	0.2%
Impinger 2	0.00098	15.9	0.6%	0.0%
Total	0.1748	49221	100%	100%

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Table 3 Detailed TSP and Lead Concentrations

Contaminant	Unit	Test #1	Test #2	Test #3	Average
Lead	mg/m^3	16.91	11.09	14.40	14.13
TSP	mg/m^3	61.40	33.14	56.10	50.21

Note: Calculated at Standard Conditions

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Table 4 Detailed TSP and Lead Emission Rates

Contaminant	Unit	Test #1	Test #2	Test #3	Average
Lead	mg/s	7.67	5.38	7.06	6.70
TSP	mg/s	27.85	16.08	27.51	23.81

Note: Calculated at Standard Conditions

Ontario

Ministry of the Environment

CERTIFICATE OF APPROVAL

(AIR)

Granted under Section 8 of The Environmental Protection Act, 1971

Application number 8-2035-79-006 *This Certificate dated* June 28 , 1979

Owner/Operator Hamilton Iron and Metal Company Limited

Owner/Operator address 239 Caroline Street North, Hamilton, Ontario

This approval is for one (1) United Corporation model M3000 wire reclaim incinerator and one (1) Air Correction venturi scrubber with a pressure drop of 0.5 m W.C. exhausting to a stack 0.46 m diameter stack 10.7 m above the roof and 16.8 m above grade.

located at 239 Caroline Street North, Hamilton, Ontario.

THIS IS A TRUE COPY OF THE ORIGINAL CERTIFICATE MAILED ON JUL - 6 1979

Your application has been reviewed on the basis of the information submitted and is approved, subject to the terms and conditions stated below.

1) No materials contaminated with polychlorinated biphenyls will be charged to this unit.

2) Lead sheathed cable and wire shall not be incinerated in this furnace until such time as the company is prepared to submit stack testing data for lead emissions sampled for in accordance with the "Ontario Source Testing Code". In the event that lead emissions are such as to exceed this Ministry's standard at a point of impingement, the company shall cease charging lead sheathed materials to the furnace until corrective measures acceptable to the Ministry are adopted.

(Signed)

DIRECTOR, SECTION 8

06/24/1993 14:58 ADVANCED INTEGRATED RES. 1 416 333 9652 P.02

APPENDIX B

Calibration Certificates

ANDERSEN Samplers INC.

4801 FULTON IND. BLVD., ATLANTA, GA 30336

CONTROL UNIT CALIBRATION

Date 1-26-91 Unit Number 191-517

Barometric pressure, P_b = 29.49 in Hg. Model Number 90-800

fice meter ting, H H_2O	Gas volume, wet test meter V_w, ft^3	Gas volume, dry gas meter V_d, ft^3	Temperature: Wet test Meter t_w, °R	Temperature: Dry gas meter Inlet t_{di}, °R	Temperature: Dry gas meter Outlet t_{do}, °R	Temperature: Dry gas meter Average t_d, °R	Time θ, min	γ	ΔH@
.0	5	5,306	76.0/536.0	128.7	92.0/552.0	110.35/570.35	8.70	1.00	1.69
.0	5	5,312	76.4/536.4	135.1	91.9/551.9	113.5/573.5	6.15	1.00	1.70
.0	5	5,298	76.4/536.4	140.3	92.6/552.6	116.45/576.95	4.35	1.00	1.69
								1.00	1.69

culations

H	$\frac{\Delta H}{13.6}$	γ: $\frac{V_w P_b \left(\quad t_d \quad \right)}{V_d \left(P_b + \frac{\Delta H}{13.6} \right) \left(\quad t_w \quad \right)}$	ΔH@: $\frac{0.0317\ \Delta H}{P_b \left(\quad t_{do} \quad \right)} \left[\frac{\left(\quad t_w \quad \right) \theta}{V_w} \right]^2$
.0	0.0735		
.0	0.147		
.0	0.294		

γ = Ratio of accuracy of wet test meter to dry test meter. Tolerance : ± 0.01

ΔH@ = Orifice pressure differential that gives 0.75 cfm of air at 70°F and 29.92 inches of mercury, in. H_2O. Tolerance : ± 0.15

Calibrated by: MRO

AIRFLOW CALIBRATION LABORATORY

AIRFLOW DEVELOPMENTS (CANADA) LTD.
1281 MATHESON BLVD.,
MISSISSAUGA, ONTARIO
L4W 1A1

PHONE. (416) 624 2133
TELEX. 06 960332
FAX. (416) 624 1308

DATE. March 18,1991
CUSTOMER. Mann Testing Laboratories Lt

MAKE. MODEL.
SERIAL #. 4' S-type c/w 7/16" nozzel

Diff.Press. (in.H O) 4"(100mm) Vane Assm	Cal.Vel. m/s	Cal.Vel. f.p.m.	Diff.Press. (in.H O) 3"(75mm) Vane Assm and pitot.	Size of Orifice (inches)	Anemometer reading.	Corr. Factor + or -	Std.Pitot Tube Diff.Press (in.H O)	'S'Type Pitot tube Diff.Press (in.H O)	Comm.	POT SAT
1.99	25.4	5000	1.82	6.45			1.58	2.07	.76	853
1.29	20.3	4000	1.16	6.45			1.01	1.32	.76	685
0.716	15.2	3000	0.639	6.45			0.56	.72	.78	518
0.323	10.2	2000	0.290	6.45			0.251	.312	.80	355
1.92	7.6	1500	1.710	4.00			0.141	.171	.82	578
0.842	5.1	1000	0.760	4.00			0.063	.077	.82	382
0.477	3.8	750	0.428	4.00			0.0355	.044	.81	278
0.840	2.5	500	0.776	2.84			0.0160	.020	.80	392
0.560	2.0	400	0.515	2.84			0.0101	.012	.84	322
0.310	1.5	300	0.273	2.84			0.0057	---	--	252
0.135	1.0	200	0.117	2.84			0.00251	---	--	161
1.750	0.76	150	1.45	1.27			0.00150	---	-	342
0.820	0.51	100	0.752	1.27			-------	---	-	

Baromatric press. 101.3 kPa. Temperature. 20 °c

AIRFLOW DEVELOPMENTS (CANADA) LIMITED MISSISSAUGA, ONTARIO

000077

SAMPLING TIP MEASURED DIAMETERS

AIR EMISSIONS AND CONTROL

STAINLESS

TIP 1	1/8"
Trial 1	0.1295"
Trial 2	0.1265"
Trial 3	0.1300"
AVE.I.D.	0.1287"

STAINLESS

TIP 2	3/16"
Trial 1	0.1935"
Trial 2	0.1940"
Trial 3	0.1940"
AVE.I.D.	0.1938"

STAINLESS

TIP 3	1/4"
Trial 1	0.2410"
Trial 2	0.2425"
Trial 3	0.2410"
AVE.I.D.	0.2415"

STAINLESS

TIP 4	1/4"
Trial 1	0.2475"
Trial 2	0.2460"
Trial 3	0.2435"
AVE.I.D.	0.2457"

STAINLESS

TIP 5	5/16"
Trial 1	0.3125"
Trial 2	0.3075"
Trial 3	0.3130"
AVE.I.D.	0.3110"

STAINLESS

TIP 6	7/16"
Trial 1	0.4340"
Trial 2	0.4335"
Trial 3	0.4330"
AVE.I.D.	0.4335"

STAINLESS

TIP 7	1/2"
Trial 1	0.4985"
Trial 2	0.4985"
Trial 3	0.4955"
AVE.I.D.	0.4975"

STAINLESS

TIP 8	1/2"
Trial 1	0.4950"
Trial 2	0.4985"
Trial 3	0.4980"
AVE.I.D.	0.4972"

STAINLESS

TIP 9	5/8"
Trial 1	0.6255"
Trial 2	0.6250"
Trial 3	0.6245"
AVE.I.D.	0.6250"

STAINLESS

TIP 10	5/8"
Trial 1	0.6220"
Trial 2	0.6210"
Trial 3	0.6245"
AVE.I.D.	0.6225"

GLASS

TIP 11	1/4"
Trial 1	0.2560"
Trial 2	0.2580"
Trial 3	0.2555"
AVE.I.D.	0.2565"

GLASS

TIP 12	1/4"
Trial 1	0.2540"
Trial 2	0.2510"
Trial 3	0.2485"
AVE.I.D.	0.2512"

GLASS

TIP 13	3/8"
Trial 1	0.3770"
Trial 2	0.3795"
Trial 3	0.3780"
AVE.I.D.	0.3782"

GLASS

TIP 14	3/8"
Trial 1	0.3820"
Trial 2	0.3780"
Trial 3	0.3805"
AVE.I.D.	0.3802"

GLASS

TIP 15	
Trial 1	_____
Trial 2	_____
Trial 3	_____
AVE.I.D.	_____

Measured by M. Vaile *Date:* FEB 11/92

- *Measurements taken using a Mitutoyo Digimatic Caliper Model 500-351, Ser. # 7097467, accurate to 0.0005 inches.*

G:\MISCD\SAM-TIP.CAL

APPENDIX C

Verification Of Meter Correction Factor

ΔP 1 .08 2 .09 3 4 .06 AVG .07 .11

175°F

QA/QC TABLE

On-Site Verification Of Meter Correction Factor of 1.00

COMPANY: B & [illegible] LOCATION: [illegible]

DATE: Sept 1/93

Pump No. #1

Serial No. 1190-504

Avg. Ko = 0.693

Molecular Weight Of Air 28.8 g/g mole

Barometric Pressure 29.9 Hg in.

Avg. R = 1.00

DH = 1.0 in. H_2O

Time (min)	DGM Reading	Yd (ft^3)	tdi (f°)	tdo (f°)	td (f°)	
0	272.75					Ko = 0.6997
3	274.59	1.84	112	88		R = 1.00
6	276.28	1.69	118	88		
9	278.04	1.76	122	90		
Avg.3		1.76	117.3	88		

DH = 2.0 in. H_2O

Time (min)	DGM Reading	Yd (ft^3)	tdi (f°)	tdo (f°)	td (f°)	
0	181.33					Ko = 0.704
3	283.84	2.51	118	91		R = 0.100
6	286.36	2.52	123	92		
9	288.90	2.54	128	93		
Avg.3		2.52	123	92		

DH = 3.0 in. H_2O

Time (min)	DGM Reading	Yd (ft^3)	tdi (f°)	tdo (f°)	td (f°)	
0	289.63					Ko =
3	292.63	3.00	134	94		R = 0.674
6	295.64	3.01	135	96		
9	298.64	3.00	137	97		
Avg.3		3.00	135	96		

NOTE: If R is 1.0 ± 0.05 the meter correction factor is acceptable for use.

A:\MMI-VERI.TEM

QA/QC TABLE

On-Site Verification Of Meter Correction Factor of 1.00

COMPANY: B & M LOCATION: Hamilton

DATE: SEPT 6/13

Pump No. #1

Serial No. 1190-504

Avg. Ko = 0.7027

Molecular Weight Of Air 28.8 g/g mole

Barometric Pressure 29.5 Hg in.

Avg. R = 1.00

DH = 1.0 in. H_2O

Time (min)	DGM Reading	Yd (ft^3)	tdi (f°)	tdo (f°)	td (f°)
0	61.50				
3	63.22	92	63		
6	64.93	93	64		
9	66.65	95	65		
Avg.3	1.72	93	64		78.5

Ko = 0.71

R = 1.000

DH = 2.0 in. H_2O

Time (min)	DGM Reading	Yd (ft^3)	tdi (f°)	tdo (f°)	td (f°)
0	66.65				
3	69.03	2.38	97	66	
6	71.44	2.41	101	67	
9	73.85	2.41	101	68	
Avg.3		2.40	100	67	80.5

Ko = 0.698

R = 1.000

DH = 3.0 in. H_2O

Time (min)	DGM Reading	Yd (ft^3)	tdi (f°)	tdo (f°)	td (f°)
0	73.85				
3	76.80	2.95	102	68	
6	79.75	2.95	104	69	
9	82.70	2.95	104	71	
Avg.3		2.95	104	69	86.5

Ko = 0.690

R = 1.000

NOTE: If R is 1.0 ± 0.05 the meter correction factor is acceptable for use.

A:\MMI-VERI.TEM

APPENDIX D

Detailed Production Data

°F. TEMPERATURE	AFT. BURN TEMP. °F	VENTUIR. PRESSER	STACK TEMP. °F	BLOWER AMPS.	TIME OF / OBSERVATION
Start					(P.H. 10.4) ↓
980	1633	28	155	16	9.27 A.M. Load charged
924	1649	27	160	16	10.00 A.M. / observed (P.H-9.4) ↑
901	1652	27	160	16	10.20 a.m. Load charged ① (P.H.9.6) ↑
			Sodium Hydroxide	added to system	(P.H 11.0)
963	1648	28	160	16	10.35 A.M. Load charged ② (P.H.-10.6) ↑
997	1651	28	155	16	11.04 A.M. / observed (P.H.-10.2) ↑
961	1652	28	155	16	11.10 Load charged ③ (P.H.-10.2) ↑
			First Peak from left spout		11.25 A.M.
1000	1650	27	160	16	11.40 A.M. Load charged ④ (P.H -9.8) ↑
			Soda Added To Scrubber		(P.H. - 10.5) (11.45 A.M.)

	TEMPERATURE	AFT BURN TEMP °F	VENTUIR. PRESSER	STACK TEMP. °F	BLOWER AMPS.	TIME / OBSERVATION
6	1063	1716	27	155	16	11.55 A.m. Load charged (P.H. 10.4) ↑ (6)
				Caustic Soda	Added to scrubber	12 35 P.m (PH-11)
	998	1651	27	155	16	12:40 Pm / observed
2	994	1652	27	155	[illegible]	1.05 pm / Load charged (P.H. 10.4) ↑ (8)
	1000	1652	27	160	16	1.25 P.M. / observed
	FINISH			Caustic Soda	added scrubber	(P.H. 10.6) ↑
	MEAN 984.8 STDEV 36.0	1655 21.0	27.4 0.50	157.3 2.61	16 0	10.4 0.45
R 6	956	1652	27	160	16	1:40 PM Load charged (P.H. 10.2) ↑
L 70	964	1656	27	160	16	1:40 PM Load Charged (P.H. 10.2) ↑
	1006	1652	27	160	16	2.50 PM / observed (P.H -10.2) ↑
04	975	1650	27	160	16	2.52 P.M. Load charged (P.H.-10.2) ↑

TEMPERATURE	AFT BURN TEMP. °F	VENTUIR. "H2O PRESSER	STACK TEMP. °F	BLOWER AMPS.	TIME OBSERVATION
968	1658	27	160	16	3.20 P.m. Hood charged (PH - 10.2)
1004	1652	27	150	16	3.50 P.m (observed (PH - 10.0)
1008	1649	27	150	16	4:06 PM (PH 9.0
1532	1647	27	150	16	JUST CLEAN LEAD 4:35 PM
963	1666	27	150	16	4:55 PM (LOAD CHARGED
1053	1653	27	150	16	5:30 PM LOAD STEEL AND LEAD
1163	1651	27	150	16	5:50 PM (PH 8:05)
1108	1645	27	150	16	6:15 PM (PH 8:03 PM

B & M METAL RECYCLING

LEAD SWEAT — WED SEPT 1, 1993

	WEIGHT (Gross)	TARE	NET
	2142	500	1642
	1526	500	1026
3	1896	500	1396
4	1642	500	1142
5	1625 (1)	500	1125
6	1754 (2)	500	1254
7	2002 (3)	500	1502
8	1586 (4)	500	1086
9	1670 (5)	500	1170
10	1804 (6)	500	1304
11	1380	500	880
12	882	500	382
13	1014	500	514
14	1348	500	848
15	1098	500	598
16	1055	500	555
17	1300	500	800
18	1250	500	750
		TOTAL NET →	20 499 (16s)

TOTAL THIS SHEET 7441

APPENDIX E

Compiled And Field Data Sheets

DETERMINATION OF THE PROPORTION OF WATER VAPOR IN GAS STREAM

COMPANY	TEST NO.	STACK NO.	RUN NO.
B & M Metals	1	1	C

METHOD: Reference Method #4

IMPINGER	INITIAL WEIGHT (g)	IMPINGER CONTENTS	FINAL WEIGHT (g)	NET WEIGHT (g)
1C	592.5	100 ml Aqua Regia	889.9	297.4
2C	622.2	100 ml Aqua Regia	950.3	328.1
3C	615.3	100 ml Deionized H2O	725.0	109.7
4C	506.7	Blank	954.6	447.9
5C	779.7	Silica Gel	808.3	28.6
		Total Weight Water Trapped & Absorbed		1211.7

AVG. METER TEMP, °F	VOL SAMPLED (ft^3)	VOL H2O COLLECTED (g)
110	121.8	1211.7

VOLUME WATER VAPOR COLLECTED	**58.16 ft^3 H2O**
DRY GAS VOLUME	**114.80 DSCF**
PROPORTION OF WATER VAPOR IN THE GAS STREAM	**0.336**

Company: **B&M Metals** Location: Hamilton Sampling Date: Sep. 1/93 Test #: 1 Sampling Personel: RES/LR

Gas Analysis							
SO2 (ppm)	NOx (ppm)	CO (ppm)	CO2 (%)	O2 (%)	Ar (%)	N2 (%)	Dry Molecular Weight
0	33	18	8	11	0.95	80.04	29.83

Moisture Content				
Avg. Meter Temp. (°F)	Volume Sampled (ft³)	Volume H2O Collected (g)	Proportion H2O, Bwo	Wet Molecular Weight
110	121.80	1211.7	0.336	25.85

Sampling Parameters

Traverse #: 1
Number of Points per Traverse: 4
Start Time: 9:45 am
Stop Time: 11:09 am
Sampling Period per Traverse: 84 minutes
Leak Check: Before 0.002 CFM @ 24 "Hg
After 0.002 CFM @ 24 "Hg

Dry Gas Meter Correction Factor: 1
Pitot Coefficient: 0.82
Nozzle Diameter 0.4335 inch

Source Parameters

Stack Diameter: 16 inches
Stack Area: 1.396 ft²
Barometric Pressure: 29.4 "Hg
Static Pressure: 0.5 "H2O

Traverse Direction	Traverse Point Number	Sampling Time (minutes)	Stack Temp. (°F)	Dry Gas Meter Temp. (°F)			Pitot DP ("H2O)	Orifice DH ("H2O)	Dry Gas Meter		Pump Vacuum ("Hg)	Temperature (°F)			Stack Velocity (ft/s)	Isokinetic (%)
				IN	OUT	Average			Meter (ft³)	Volume (ft³)		Probe	Oven	Impinger Out		
									357.68	0.00						
N-S	1	3	180	75	75	75	0.13	1.60	359.88	2.20	6	230	255	64	23.14	93.1
N-S	1	6	180	87	77	82	0.13	1.63	362.08	2.20	6	241	266	63	23.14	92.0
N-S	1	9	180	106	73	90	0.13	1.64	364.28	2.20	6	250	270	63	23.14	90.7
N-S	1	12	180	112	75	94	0.12	1.51	366.48	2.20	6	255	270	63	22.23	93.7
N-S	1	15	180	116	76	96	0.12	1.52	368.67	2.19	6	238	258	64	22.23	92.8
N-S	1	18	180	119	76	98	0.12	1.52	370.86	2.19	6	238	262	64	22.23	92.6
N-S	1	21	180	121	80	101	0.11	1.41	373.05	2.19	6	238	260	64	21.29	96.2
N-S	2	24	180	123	82	103	0.12	1.54	375.23	2.18	6	238	262	63	22.23	91.4
N-S	2	27	180	125	83	104	0.12	1.54	377.43	2.20	6	238	263	63	22.23	92.0
N-S	2	30	180	125	84	105	0.11	1.41	379.62	2.19	6	246	260	63	21.29	95.5
N-S	2	33	180	125	84	105	0.11	1.41	381.81	2.19	6	246	250	63	21.29	95.5
N-S	2	36	180	125	84	105	0.11	1.41	384.01	2.20	6	246	248	63	21.29	95.9
N-S	2	39	180	128	86	107	0.12	1.41	386.20	2.19	6	246	262	65	22.23	91.0
N-S	2	42	180	128	86	107	0.11	1.44	388.30	2.10	6	248	268	65	21.29	91.2
N-S	3	45	180	128	86	107	0.10	1.31	390.55	2.25	7	254	234	65	20.30	102.4
N-S	3	48	180	132	90	111	0.10	1.31	392.73	2.18	7	244	252	64	20.30	98.5
N-S	3	51	180	132	90	111	0.10	1.31	394.91	2.18	7	242	268	64	20.30	98.5
N-S	3	54	180	132	90	111	0.10	1.31	397.08	2.17	7	257	232	64	20.30	98.1
N-S	3	57	180	133	92	113	0.10	1.31	399.24	2.16	7	263	256	67	20.30	97.4
N-S	3	60	180	133	92	113	0.10	1.31	401.41	2.17	7	262	270	67	20.30	97.8
N-S	3	63	180	134	92	113	0.09	1.18	403.51	2.10	7	269	226	69	19.25	99.7
N-S	4	66	180	130	92	111	0.09	0.91	405.28	1.77	5	271	252	67	19.25	84.2
N-S	4	69	180	130	92	111	0.09	0.91	407.05	1.77	5	266	270	67	19.25	84.2
N-S	4	72	180	128	94	111	0.07	0.91	409.00	1.95	5	261	239	67	16.98	105.2
N-S	4	75	182	128	94	111	0.07	1.03	410.63	1.63	5	269	269	66	17.01	88.1
N-S	4	78	182	128	94	111	0.07	1.03	412.66	2.03	5	269	269	66	17.01	109.8
N-S	4	81	182	128	94	111	0.06	0.88	414.47	1.81	5	266	266	67	15.75	105.7
N-S	4	84	180	128	95	112	0.06	0.78	416.20	1.73	5	264	264	69	15.72	100.7
Max. Recorded Value			182	134	95	113	0.13	1.64		2.25	7	271	270	69	23.14	109.8
Min. Recorded Value			180	75	73	75	0.06	0.78		1.63	5	230	226	63	15.72	84.2
Average			180	123	86	104	0.10	1.30		2.09	6	252	258	65	20.40	95.5
Standard Deviation			0.6	13.5	7.0	9.6	0.02	0.25		0.18	0.7	12.2	12.4	1.9	2.18	6.0

Company: B & M Metals Location: Hamilton Sampling Date: Sep. 1/93 Test #: 1 Sampling Personel: RES/LR

Gas Analysis							
SO2 (ppm)	NOx (ppm)	CO (ppm)	CO2 (%)	O2 (%)	Ar (%)	N2 (%)	Dry Molecular Weight
0	33	18	8	11	0.95	80.04	29.83

Moisture Content				
Avg. Meter Temp. (°F)	Volume Sampled (ft³)	Volume H2O Collected (g)	Proportion H2O, Bwo	Wet Molecular Weight
110	121.8	1211.7	0.336	25.86

Sampling Parameters

Traverse #: 2
Number of Points per Traverse: 4
Start Time: 11:58 am
Stop Time: 1:22 pm
Sampling Period per Traverse: 84 minutes
Leak Check: Before 0.001 CFM @ 15 "Hg
After 0.001 CFM @ 14 "Hg

Dry Gas Meter Correction Factor: 1
Pitot Coefficient: 0.82
Nozzle Diameter 0.4335 inch

Source Parameters

Stack Diameter: 16 inches
Stack Area: 1.396 ft²
Barometric Pressure: 29.4 "Hg
Static Pressure: 0.5 "H2O

Traverse Direction	Traverse Point Number	Sampling Time (minutes)	Stack Temp. (°F)	Dry Gas Meter Temp. (°F)			Pitot DP ("H2O)	Orifice DH ("H2O)	Dry Gas Meter		Pump Vacuum ("Hg)	Temperature (°F)			Stack Velocity (ft/s)	Isokinetic (%)
				IN	OUT	Average			Meter (ft³)	Volume (ft³)		Probe	Oven	Impinger Out		
									416.63	0.00						
E-W	1	3	182	90	90	90	0.15	1.89	419.09	2.46	9	255	268	57	24.89	94.5
E-W	1	6	182	131	91	111	0.15	1.92	421.56	2.47	9	250	229	55	24.89	91.4
E-W	1	9	182	132	91	112	0.15	1.96	424.02	2.46	10	249	254	55	24.89	91.0
E-W	1	12	182	132	91	112	0.13	1.70	426.54	2.52	10	244	257	55	23.18	100.1
E-W	1	15	179	134	94	114	0.13	1.71	429.02	2.48	10	246	245	55	23.12	97.8
E-W	1	18	179	134	94	114	0.13	1.72	431.58	2.56	10	248	248	55	23.12	101.0
E-W	1	21	179	135	94	115	0.13	1.72	433.95	2.37	10	246	239	57	23.12	93.4
E-W	2	24	179	135	94	115	0.13	1.72	436.42	2.47	10	246	236	57	23.12	97.3
E-W	2	27	179	136	99	118	0.13	1.72	438.85	2.43	10	245	255	57	23.12	95.3
E-W	2	30	179	136	99	118	0.13	1.72	441.31	2.46	10	244	268	57	23.12	96.4
E-W	2	33	179	136	99	118	0.13	1.72	443.75	2.44	10	244	230	57	23.12	95.7
E-W	2	36	179	136	99	118	0.13	1.72	446.19	2.44	10	244	232	57	23.12	95.7
E-W	2	39	179	138	101	120	0.13	1.73	448.60	2.41	10	244	237	60	23.12	94.2
E-W	2	42	180	138	101	120	0.12	1.60	451.01	2.41	9	248	259	58	22.23	98.0
E-W	3	45	180	138	101	120	0.10	1.33	453.27	2.26	9	248	268	61	20.29	100.6
E-W	3	48	182	137	100	119	0.10	1.33	455.47	2.20	9	248	236	61	20.33	98.3
E-W	3	51	182	137	100	119	0.10	1.32	457.62	2.15	9	248	242	61	20.33	96.1
E-W	3	54	182	137	100	119	0.10	1.32	459.76	2.14	9	248	248	61	20.33	95.6
E-W	3	57	182	137	100	119	0.09	1.18	461.87	2.11	9	251	256	63	19.28	99.3
E-W	3	60	182	137	100	119	0.09	1.18	463.97	2.10	9	258	256	63	19.28	98.9
E-W	3	63	182	137	100	119	0.09	1.18	466.04	2.07	9	258	272	64	19.28	97.5
E-W	4	66	182	137	101	119	0.09	1.18	467.98	1.94	9	254	240	64	19.28	91.3
E-W	4	69	182	137	101	119	0.09	1.18	469.98	2.00	9	254	254	64	19.28	94.1
E-W	4	72	182	137	101	119	0.09	1.18	471.98	2.00	9	252	267	64	19.28	94.1
E-W	4	75	182	135	105	120	0.09	1.18	473.97	1.99	9	250	267	64	19.28	93.4
E-W	4	78	182	135	105	120	0.09	1.18	475.94	1.97	9	250	272	66	19.28	92.5
E-W	4	81	182	135	105	120	0.09	1.18	477.89	1.95	9	254	243	67	19.28	91.6
E-W	4	84	182	135	105	120	0.09	1.18	479.91	2.02	9	254	243	68	19.28	94.9
Max. Recorded Value			182	138	105	120	0.15	1.96		2.56	10	258	272	68	24.89	101.0
Min. Recorded Value			179	90	90	90	0.09	1.18		1.94	9	244	229	55	19.28	91.0
Average			181	134	99	116	0.11	1.49		2.26	9	249	251	60	21.51	95.7
Standard Deviation			1.4	8.8	4.5	5.9	0.02	0.28		0.21	0.5	4.2	13.5	4.0	2.08	2.9

DETERMINATION OF PARTICULATE / ORGANIC COMPOUND

Company: B & M Metals Location: _____

Test No. 1

Filter no. 71 Nozzle size 0.433

Date: SEPT 1

Barometric pressure 29.4 in. Hg Static Pressure 0.5+ in.H2O

Sampling personnel _____

K' = 1473

MM5 L.C.

TRAVERSE POINT No.	SAMPLING TIME (min)	STACK TEMP. F	METER TEMP. F IN	METER TEMP. F OUT	METER TEMP. F Avg.	PITOT DP in. H2O	ORIFICE DH in. H2O	DRY GAS METER METER	DRY GAS METER VACUUM in. H2O	TEMP. F PROBE	TEMP. F OVEN	TEMP. F IMP.OUT	STACK VELOCITY ft/s	METER RATE FACTOR	FIELD % I
								INT. 357.68							
	1	3	180	75	75	75	0.13	1.60	359.88	6.0	230	255	64.2	22.84	45.23	99.50
	2	6	180	87	77	85	0.13	1.62	362.08	6.0	241	266	63.4	22.84	45.23	99.50
	3	9	180	106	73	90	0.13	1.64	364.28	6.0	250	270	63.4	22.84	45.23	99.5
	4	12	180	118	75	90	0.12	1.51	366.48	6.0	255	270	63.2	22.84	45.23	99.5
MAN	5	15	180	116	76	90	0.12	1.52	368.67	6.0	238	268	64	21.92	45.79	
ZEROED	6	18	180	119	76	90	0.12	1.52	370.86	6.0	238	262	64	21.92	45.79	100.28
	7	21	180	121	80	100	0.11	1.41	373.05	6.0	238	260	64	20.01	46.96	
	8	24	180	123	82	100	0.12	1.54	375.23	6.0	238	262	63			
	9	27	180	125	83	100	0.12	1.54	377.43	6.0	238	263	63			
	10	30	180	125	84	100	0.11	1.41	379.62	6.0	246	260	63			
MAN	11	33	180	125	84	100	0.11	1.41	381.81	6.0	246	250	63			
ZEROED	12	36	180	125	84	100	0.11	1.41	384.01	6.0	276	248	63		46.13	
	13	39	180	128	86	110	0.12	1.44	386.20	6.0	246	262	65 210	300 3	46.13	101.2
	14	42	180	128	86	110	0.11	1.44	388.30	6.0	248	268	65	21.01	46.13	
	15	45	180	128	86	110	0.10	1.31	390.55	7.0	254	224	65	20.03	48.37	
	16	48	180	122	90	110	0.10	1.31	392.73	7.0	244	252	64			
MAN	17	51	180	132	90	110	0.10	1.31	394.91	7.0	242	268	64			
ZEROED	18	54	180	132	90	110	0.10	1.31	397.08	7.0	257	232	64			
	19	57	180	133	92	110	0.10	1.31	399.24	7.0	263	256	67	20.03	48.37	104
	20	1.00	180	132	92	110	0.10	1.31	401.41	7.0	262	270	67			
	21	3	180	134	92	110	0.09	1.18	403.51	7.0	269	226	69	19.01	50.97	107
	22	106	180	130	92	110	0.09	0.91		5.0	271	252	67	16.76	57.76	101
MAN	23	109	180	130	92	110	0.09	0.91	407.05	5.0	266	270	67			
ZEROED	24	112	180	128	94	110	0.07	0.91	408.80	5.0	261	239	67			101

MM5 L.C. AFTER

L.C. BEFORE 0.002 IN. H2O @ 24 IN. HG.

L.C. AFTER _____ IN. H2O @ _____ IN. HG.

MM5 TOTAL L.C.V. BEFORE _____ AFTER _____ TOTAL _____

K:\VANDJ\SOURCE

DETERMINATION OF PARTICULATE / ORGANIC COMPOUND

Company: B & M Mines Location: _____

Test No. _____ Filter no. 71 Nozzle size 0.435

Date: Sept 1 Barometric pressure _____ in. Hg Static Pressure _____ in.H2O

Sampling personnel _____ / _____ / _____ / _____

K' =

	TRAVERSE POINT No.	SAMPLING TIME (min)	STACK TEMP. F	METER TEMP. F IN	METER TEMP. F OUT	METER TEMP. F Avg.	PITOT DP in. H2O	ORIFICE DH in. H2O	DRY GAS METER METER	DRY GAS METER VACUUM in. H2O	TEMP. F PROBE	TEMP. F OVEN	TEMP. F IMP.OUT	STACK VELOCITY ft/s	METER RATE FACTOR	FIELD % I
									MM5 L.C.							
									INT.							
	1	115	182	180	128	110	0.07	2.03	410.63	5.0	269	262	66	15.82	54.52	99.77
	2	118	182	180	128	110	0.07	1.03	412.66	6.0	269	268	66		54.52	
	3	121	182	180	128	110	0.06	0.89	414.47	5.0	266	238	67			
	4	124	188	128	95	110	0.06	0.78	416.20	5.0	264	234	69	15.54	62.47	108
MAN ZEROED	5															
	6								416.63							
	7	3	182	90	90	90	0.15	1.89	419.09	9.0	255	268	57	24.57	41.05	100.9
	8	6	182	131	91	100	0.15	1.92	421.56	9.0	260	229	55	24.57	40.32	98.6
	9	9	182	132	91	110	0.15	1.92	424.02	10.0	249	254	55	24.57	39.62	
	10	12	182	132	91	110	0.13	1.70	426.54	10.0	244	257	55	22.9	42.2	106
MAN ZEROED	11	15	182	134	94	115	0.13	1.71	429.02	10	241	245	55	22.9	42.2	104
	12	18	179	134	94	115	0.13	1.72	431.58	10	240	248	55	22.9	42.2	102
	13	21	179	135	94	115	0.13	1.72	433.95	10	246	239	57	22.9	42.2	100.1
	14	24	179	135	94	115	0.13	1.72	436.42	10	246	236	57	22.9	42.2	104
	15	27	179	136	99	115	0.13	1.72	438.85	10	245	255	57	22.9	42.2	
	16	30	179	136	99	115	0.13	1.72	441.31	10	244	268	57	22.9	42.2	102
MAN ZEROED	17	33	179	136	99	115	0.13	1.72	443.75	10	244	230	57	22.9	42.2	102
	18	36	179	136	99	115	0.12	1.72	446.19	10	244	232	57	22.9	42.2	102
	19	39	179	138	101	120	0.13	1.73	448.60	10	244	237	60	22.9	42.2	101
	20	42	179	138	101	120	0.12	1.60	450.01	10	248	257	58			
	21	45	180	138	101	120	0.10	1.33	453.27	9	248	268	61	20.0	47.5	107
	22	48	180	137	100	120	0.10	1.33	455.47	9	248	236	61	20.0	47.5	104
MAN ZEROED	23	51	182	137	100	115	0.10	1.32	457.62	9	248	242	61	20.0	47.5	102
	24	54	182	137	100	115	0.10	1.32	459.76	9	248	248	61		47.5	
									MM5 L.C. AFTER							

2nd Run

L.C. BEFORE 0.001 IN. H2O @ 15 IN. HG.

L.C. AFTER _____ IN. H2O @ _____ IN. HG.

MM5 TOTAL L.C.V. BEFORE _____

AFTER _____

TOTAL _____

K:\VANDJ\SOURCE

DETERMINATION OF PARTICULATE / ORGANIC COMPOUND

Test No. 1

Date: Sept 1/

Company: B & M Metals Location: _____

Filter no. 71 Nozzle size 0.4335

Barometric pressure _____ in. Hg Static Pressure _____ in.H2O

Sampling personnel _____ / _____ / _____ / _____

K' =

MM5 L.C.

	TRAVERSE POINT No.	SAMPLING TIME (min)	STACK TEMP. F	METER TEMP. F IN	METER TEMP. F OUT	METER TEMP. F Avg.	PITOT DP in. H2O	ORIFICE DH in. H2O	DRY GAS METER METER INT.	DRY GAS METER VACUUM in. H2O	TEMP. F PROBE	TEMP. F OVEN	TEMP. F IMP.OUT	STACK VELOCITY ft/s	METER RATE FACTOR	FIELD % I
	1	57	182	137	100	115	0.09	1.18	461.87	9	251	256	63	19.03	50.6	
	2	100	182	137	100	115	0.09	1.18	463.97	9	258	256	63	19.03	50.6	
	3	103	182	137	100	115	0.09	1.18	466.04	9	258	272	64	19.00	50.7	106
	4	106	182	137	101	115	0.09	1.18	467.98	9	254	240	64	19.00	50.7	104
MAN ZEROED	5	109	182	137	101	115	0.09	1.18	469.98	9	254	254	64	19.00	50.7	98
	6	112	182	137	101	115	0.09	1.18	471.98	9	252	267	64	19.00	50.7	101
	7	115	182	135	105	115	0.09	1.18	473.97	9	250	267	64	19.00	50.71	101
	8	118	182	135	105	115	0.09	1.18	475.94	9	250	272	66	19	50.7	
	9	121	182	135	105	115	0.09	1.18	477.89	9	254	243	67	17	50.7	98
	10	124	182	135	105	115	0.09	1.18	479.91	9	254	243	68	17	50.7	
MAN ZEROED	11															
	12															
	13															
	14															
	15															
	16															
MAN ZEROED	17															
	18															
	19															
	20															
	21															
	22															
MAN ZEROED	23															
	24															

F AT 1.22

L.C. BEFORE 0.001 IN. H2O @ 14 IN. HG.

L.C. AFTER _____ IN. H2O @ _____ IN. HG.

MM5 L.C. AFTER

MM5 TOTAL L.C.V. BEFORE _____ AFTER _____ TOTAL _____

K:\VANDJ\SOURCE

DETERMINATION OF THE PROPORTION OF WATER VAPOR IN GAS STREAM

COMPANY	TEST NO.	STACK NO.	RUN NO.
B & M Metals	2	1	B

METHOD: Reference Method #4

IMPINGER	INITIAL WEIGHT (g)	IMPINGER CONTENTS	FINAL WEIGHT (g)	NET WEIGHT (g)
1B	493.1	100 ml Aqua Regia	814.3	321.2
2B	621.8	100 ml Aqua Regia	910.2	288.4
3B	612.5	100 ml Deionized H2O	865.2	252.7
4B	503.0	Blank	890.3	387.3
5B	845.8	Silica Gel	876.5	30.7
		Total Weight Water Trapped & Absorbed		1280.3

AVG. METER TEMP, °F	VOL SAMPLED (ft^3)	VOL H2O COLLECTED (g)
116	136.57	1280.3

VOLUME WATER VAPOR COLLECTED	**61.45 ft^3 H2O**
DRY GAS VOLUME	**127.39 DSCF**
PROPORTION OF WATER VAPOR IN THE GAS STREAM	**0.325**

Company: B & M Metals Location: Hamilton Sampling Date: Sep. 2/93 Test #: 2 Sampling Personel: RES/LR

Gas Analysis							
SO2 (ppm)	NOx (ppm)	CO (ppm)	CO2 (%)	O2 (%)	Ar (%)	N2 (%)	Dry Molecular Weight
0	35	21	7	13	0.94	79.05	29.75

Moisture Content				
Avg. Meter Temp. (°F)	Volume Sampled (ft³)	Volume H2O Collected (g)	Proportion H2O, Bwo	Wet Molecular Weight
116	136.57	1280.3	0.325	25.93

Sampling Parameters

Traverse #: 1
Number of Points per Traverse: 4
Start Time: 10:45 am
Stop Time: 12:09 pm
Sampling Period per Traverse: 84 minutes
Leak Check: Before 0.001 CFM @ 16 "Hg
After 0.001 CFM @ 16 "Hg

Dry Gas Meter Correction Factor: 1
Pitot Coefficient: 0.82
Nozzle Diameter 0.4335 inch

Source Parameters

Stack Diameter: 16 inches
Stack Area: 1.396 ft²
Barometric Pressure: 29.3 "Hg
Static Pressure: 0.5 "H2O

Traverse Direction	Traverse Point Number	Sampling Time (minutes)	Stack Temp. (°F)	Dry Gas Meter Temp. (°F)			Pitot DP ("H2O)	Orifice DH ("H2O)	Dry Gas Meter		Pump Vacuum ("Hg)	Temperature (°F)			Stack Velocity (ft/s)	Isokinetic (%)
				IN	OUT	Average			Meter (ft³)	Volume (ft³)		Probe	Oven	Impinger Out		
									622.10	0.00						
N-S	1	3	175	100	100	100	0.11	1.42	624.30	2.20	3	240	237	66	21.21	94.7
N-S	1	6	178	110	100	105	0.11	1.42	626.58	2.28	3	242	258	66	21.26	97.6
N-S	1	9	178	133	104	119	0.11	1.48	628.95	2.37	3	244	262	66	21.26	99.1
N-S	1	12	178	133	104	119	0.11	1.48	631.13	2.18	3	244	264	66	21.26	91.1
N-S	1	15	178	135	91	113	0.11	1.48	633.45	2.32	3	248	270	66	21.26	97.9
N-S	1	18	178	135	92	114	0.11	1.48	635.68	2.23	3	248	230	66	21.26	94.0
N-S	1	21	178	135	92	114	0.11	1.48	637.98	2.30	3	250	250	66	21.26	97.0
N-S	2	24	178	135	94	115	0.11	1.48	640.39	2.41	3	250	256	66	21.26	101.4
N-S	2	27	178	135	94	115	0.11	1.48	642.69	2.30	3	254	257	66	21.26	96.8
N-S	2	30	178	137	96	117	0.11	1.48	645.01	2.32	3	256	264	66	21.26	97.3
N-S	2	33	178	137	96	117	0.11	1.48	647.38	2.37	3	258	268	66	21.26	99.4
N-S	2	36	178	137	96	117	0.10	1.34	649.72	2.34	3	260	270	66	20.27	102.9
N-S	2	39	178	137	96	117	0.10	1.34	652.03	2.31	3	262	230	66	20.27	101.6
N-S	2	42	178	137	96	117	0.12	1.61	654.34	2.31	4	268	242	66	22.20	92.8
N-S	3	45	178	138	97	118	0.12	1.61	656.82	2.48	4	260	248	66	22.20	99.4
N-S	3	48	178	138	97	118	0.11	1.47	659.31	2.49	4	248	250	66	21.26	104.2
N-S	3	51	178	138	97	118	0.11	1.47	661.78	2.47	4	250	258	66	21.26	103.4
N-S	3	54	176	138	97	118	0.11	1.47	664.28	2.50	4	252	262	66	21.23	104.5
N-S	3	57	176	138	98	118	0.11	1.47	666.75	2.47	4	260	270	66	21.23	103.2
N-S	3	60	176	138	98	118	0.11	1.47	669.22	2.47	4	262	250	66	21.23	103.2
N-S	3	63	176	138	99	119	0.10	1.34	671.58	2.36	4	268	242	66	20.24	103.2
N-S	4	66	174	138	99	119	0.10	1.34	673.94	2.36	4	242	253	66	20.21	103.1
N-S	4	69	174	138	99	119	0.09	1.21	676.18	2.24	4	248	260	66	19.17	103.1
N-S	4	72	173	138	99	119	0.09	1.21	678.37	2.19	4	252	264	66	19.15	100.7
N-S	4	75	173	138	99	119	0.09	1.21	680.56	2.19	4	254	270	66	19.15	100.7
N-S	4	78	172	136	99	118	0.09	1.21	682.74	2.18	4	256	242	66	19.14	100.4
N-S	4	81	172	115	98	107	0.09	1.19	684.91	2.17	4	256	239	66	19.14	101.8
N-S	4	84	172	115	98	107	0.09	1.19	687.06	2.15	4	260	249	67	19.14	100.9
Max. Recorded Value			178	138	104	119	0.12	1.61		2.50	4.00	268.00	270.00	67.00	22.20	104.5
Min. Recorded Value			172	100	91	100	0.09	1.19		2.15	3.00	240.00	230.00	66.00	19.14	91.1
Average			176	133	97	115	0.10	1.40		2.32	3.54	253.29	254.11	66.04	20.72	99.8
Standard Deviation			2.2	9.9	3.0	4.8	0.01	0.12		0.11	0.51	7.61	12.07	0.19	0.95	3.6

Company: B & M Metals Location: Hamilton Sampling Date: Sep. 2/93 Test #: 2 Sampling Personel: RES/LR

Gas Analysis							
SO2 (ppm)	NOx (ppm)	CO (ppm)	CO2 (%)	O2 (%)	Ar (%)	N2 (%)	Dry Molecular Weight
0	35	21	7	13	0.94	79.05	29.75

Moisture Content				
Avg. Meter Temp. (°F)	Volume Sampled (ft³)	Volume H2O Collected (g)	Proportion H2O, Bwo	Wet Molecular Weight
116	136.57	1280.3	0.325	25.93

Sampling Parameters

Traverse #: 2
Number of Points per Traverse: 4
Start Time: 12:35 pm
Stop Time: 1:58 pm
Sampling Period per Traverse: 84 minutes
Leak Check: Before stopped CFM @ 15 "Hg
After stopped CFM @ 17 "Hg

Dry Gas Meter Correction Factor: 1
Pitot Coefficient: 0.82
Nozzle Diameter 0.4335 inch

Source Parameters

Stack Diameter: 16 inches
Stack Area: 1.396 ft²
Barometric Pressure: 29.3 "Hg
Static Pressure: 0.5 "H2O

Traverse Direction	Traverse Point Number	Sampling Time (minutes)	Stack Temp. (°F)	Dry Gas Meter Temp. (°F)			Pitot DP ("H2O)	Orifice DH ("H2O)	Dry Gas Meter		Pump Vacuum ("Hg)	Temperature (°F)			Stack Velocity (ft/s)	Isokinetic (%)
				IN	OUT	Average			Meter (ft³)	Volume (ft³)		Probe	Oven	Impinger Out		
									687.35	0.00						
E-W	1	3	170	100	100	100	0.14	1.84	689.90	2.55	6	240	238	66	23.83	97.1
E-W	1	6	170	140	100	120	0.14	1.84	692.52	2.62	6	242	249	66	23.83	96.3
E-W	1	9	170	140	100	120	0.14	1.84	695.22	2.70	6	248	270	66	23.83	99.2
E-W	1	12	170	141	100	121	0.14	1.84	697.90	2.68	6	248	236	66	23.83	98.4
E-W	1	15	170	141	100	121	0.14	1.84	700.60	2.70	6	248	261	66	23.83	99.1
E-W	1	18	170	140	100	120	0.14	1.84	703.29	2.69	6	250	232	66	23.83	98.9
E-W	1	21	170	140	100	120	0.14	1.84	705.97	2.68	6	250	254	66	23.83	98.5
E-W	2	24	170	140	100	120	0.14	1.84	708.65	2.68	6	252	273	66	23.83	98.5
E-W	2	27	170	140	100	120	0.14	1.84	711.29	2.64	6	252	233	66	23.83	97.0
E-W	2	30	170	140	100	120	0.14	1.84	713.91	2.62	6	254	259	66	23.83	96.3
E-W	2	33	170	140	100	120	0.14	1.84	716.52	2.61	6	256	274	66	23.83	95.9
E-W	2	36	171	138	100	119	0.14	1.84	719.11	2.59	6	256	238	66	23.85	95.4
E-W	2	39	171	138	100	119	0.14	1.84	721.69	2.58	6	256	247	66	23.85	95.1
E-W	2	42	171	138	100	119	0.15	1.97	724.33	2.64	6	256	271	66	24.69	94.0
E-W	3	45	171	138	100	119	0.15	1.97	726.96	2.63	6	258	239	66	24.69	93.6
E-W	3	48	172	137	100	119	0.13	1.97	729.60	2.64	6	264	237	66	23.00	101.1
E-W	3	51	172	137	100	119	0.13	1.76	732.13	2.53	6	264	237	66	23.00	96.9
E-W	3	54	172	137	100	119	0.13	1.76	734.65	2.52	6	264	237	66	23.00	96.5
E-W	3	57	172	138	99	119	0.13	1.76	737.16	2.51	6	264	268	66	23.00	96.1
E-W	3	60	173	135	97	116	0.13	1.76	739.66	2.50	6	268	274	66	23.02	96.2
E-W	3	63	173	135	97	116	0.13	1.76	742.24	2.58	6	268	260	66	23.02	99.3
E-W	4	66	173	135	97	116	0.11	1.49	744.66	2.42	6	272	241	63	21.17	101.2
E-W	4	69	172	135	97	116	0.11	1.49	747.04	2.38	6	232	263	63	21.16	99.4
E-W	4	72	172	134	97	116	0.11	1.49	749.42	2.38	6	232	263	63	21.16	99.5
E-W	4	75	172	134	97	116	0.11	1.49	751.78	2.36	6	239	250	63	21.16	98.7
E-W	4	78	172	134	97	116	0.11	1.49	754.15	2.37	6	242	236	63	21.16	99.1
E-W	4	81	172	134	97	116	0.11	1.49	756.50	2.35	6	244	251	63	21.16	98.3
E-W	4	84	172	134	97	116	0.11	1.49	758.96	2.46	6	248	272	62	21.16	102.9
Max. Recorded Value			173	141	100	121	0.15	1.97		2.70	6	272	274	66	24.69	102.9
Min. Recorded Value			170	100	97	100	0.11	1.49		2.35	6	232	232	62	21.16	93.6
Average			171	136	99	118	0.13	1.75		2.56	6	252	252	65	23.05	97.8
Standard Deviation			1.1	7.5	1.4	3.9	0.01	0.16		0.12	0.0	10.6	14.7	1.4	1.19	2.2

DETERMINATION OF PARTICULATE / ORGANIC COMPOUND

Test No. #2
Date: SEPT 2

Company: B & M Metals Location:
Filter no. 2240 Nozzle size 0.4335 33% H2O
Barometric pressure 29.3 in. Hg Static Pressure ____ in.H2O
Sampling personnel ____ / ____ / ____ / ____
B-3

K' = 4.79

D.A.Q. 10.45

	TRAVERSE POINT No.	SAMPLING TIME (min)	STACK TEMP. F	METER TEMP. F IN	METER TEMP. F OUT	METER TEMP. F Avg.	PITOT DP in. H2O	ORIFICE DH in. H2O	MMS L.C. DRY GAS METER METER	MMS L.C. DRY GAS METER VACUUM in. H2O	TEMP. F PROBE	TEMP. F OVEN	TEMP. F IMP.OUT	STACK VELOCITY ft/s	METER RATE FACTOR	FIELD % I
									INT 622.10							
	1	3	185	100	100	100	0.11	1.42	624.30	3.0	240	237	66	21.0	44.16	97.15
	2	6	178	140	100	100	0.11	1.42	626.58	3.0	242	258	66	21.0	44.16	100.7
	3	9	178	133	104	120	0.11	1.48	628.95	3.0	244	262	66	21.0	44.16	104
MAN ZEROED	4	12	178	135	104	120	0.11	1.48	631.13	3.0	244	264	66	21.0	44.16	104
	5	15	178	135	91	120	0.11	1.48	633.45	3.0	248	270	66	21.0	44.16	98
	6	18	178	135	92	120	0.11	1.48	635.68	3.0	248	230	66	21.98	44.57	98
	7	21	178	135	92	120	0.11	1.48	637.98	3.0	250	250	66	21.98	42.57	94
	8	24	178	135	94	120	0.11	1.48	640.39	3.0	250	256	66	21.98	42.57	97
	9	27	178	135	94	120	0.11	1.48	642.69	3.0	254	257	66	21.98	42.57	101
	10	30	178	137	96	120	0.11	1.48	645.01	3.0	256	264	66	21.98	42.57	98
MAN ZEROED	11	33	178	137	96	120	0.11	1.48	647.38	3.0	259	268	66	21.98	42.57	98
	12	36	178	137	96	120	0.10	1.34	649.82	3.0	260	270	66	20.00	44.63	104
	13	39	178	137	96	120	0.10	1.34	652.03	3.0	262	230	66	20.00	44.63	
	14	42	178	137	96	120	0.12	1.61	654.34	4.0	268	242	66	21.91	40.77	101
	15	45	178	138	97	120	0.12	1.61	656.82	4.0	260	248	66	21.91	40.77	
MAN ZEROED	16	48	178	138	97	120	0.11	1.47	659.31	4.0	248	250	66	20.98	42.57	
	17	51	178	138	97	120	0.11	1.47	661.98 *	4.0	250	258	66	20.98	42.57	
	18	54	176	138	97	120	0.11	1.47	664.28	4.0	252	262	66	20.98	42.57	
	19	57	176	138	98	120	0.11	1.47	666.25	4.0	260	270	66	20.98	42.57	105
	20	1.00	176	138	98	120	0.11	1.47	668.22	4.0	262	250	66	20.98	42.57	
	21	03	176	138	99	120	0.10	1.34	671.58	4.0	268	272	66	20.00	44.63	00
	22	106	174	138	99	120	0.10	1.34	673.94	4.0	242	257	66	20.00	44.63	
MAN ZEROED	23	109	174	138	99	120	0.09	1.21	676.18	4.0	248	260	66	18.90	46.85	104
	24	112	173	138	99	120	0.09	1.21	678.37	4.0	252	264	66	18.90	46.85	102

L.C. BEFORE 0.001 IN. H2O @ 16 IN. HG.
L.C. AFTER ____ IN. H2O @ ____ IN. HG.

MMS L.C. AFTER

MMS TOTAL L.C.V. BEFORE ____
AFTER ____
TOTAL ____

K:\VANDJ\SOURCE

DETERMINATION OF PARTICULATE / ORGANIC COMPOUND

Test No. #2
Date: SEPT 2

Company: B & M Mines Location:
Filter no. Nozzle size 0.435
Barometric pressure in. Hg Static Pressure in.H2O
Sampling personnel

K' =

	TRAVERSE POINT No.	SAMPLING TIME (min)	STACK TEMP. F	METER TEMP. F IN	METER TEMP. F OUT	METER TEMP. F Avg.	PITOT DP in. H2O	ORIFICE DH in. H2O	MM5 L.C. DRY GAS METER METER	DRY GAS METER VACUUM in. H2O	TEMP. F PROBE	TEMP. F OVEN	TEMP. F IMP.OUT	STACK VELOCITY	METER RATE FACTOR	FIELD % I
	1	115	173	138	99	120	0.09	1.21	INT. 837							
	2	118	172	136	99	120	0.09	1.21	680.56	4.0	254	270	66	46.85	46.85	102
	3	121	172	115	98	110	0.09	1.19	682.74	4.0	256	242	66	18.90	46.85	
	4	124	172	115	98	110	0.09	1.19	684.91	4.0	256	239	66			
MAN ZEROED	5								687.06	4.0	260	249	67			
	6															
	7	3	170	100	100	100	0.14	1.84	687.35							
	8	6	170	140	100	120	0.14	1.84	689.90	6.0	240	238	66	23.52	38.87	99
	9	9	170	140	100	120	0.14	1.84	692.52	6.0	242	249	66	23.52	38.87	101
	10	12	170	141	101	120	0.14	1.84	695.22	6.0	248	270	66	23.52	38.87	
MAN ZEROED	11	15	170	141	101	120	0.14	1.84	697.90	6.0	240	236	66			104
	12	18	170	140	100	120	0.14	1.84	700.60	6.0	248	261	66			
	13	21	170	140	100	120	0.14	1.84	703.29	6.0	250	232	66			
	14	24	170	140	100	120	0.14	1.84	705.97	6.0	250	254	66			
	15	27	170	140	100	120	0.14	1.84	708.65	6.0	262	273	66			
	16	30	170	140	100	120	0.14	1.84	711.29	6.0	252	233	66			
MAN ZEROED	17	33	170	140	100	120	0.14	1.84	713.91	6.0	254	259	66			
	18	36	171	138	100	120	0.14	1.84	716.52	6.0	256	274	66			101
	19	39	171	138	100	120	0.14	1.84	719.11	6.0	256	238	66			
	20	42	171	138	100	120	0.14	1.84	721.77	6.0	256	247	66			
	21	45	171	138	100	120	0.15	1.97	724.33	6.0	256	271	66			
	22	48	172	137	100	120	0.15	1.97	726.96	6.0	258	237	66			
MAN ZEROED	23	51	172	137	100	120	0.13	1.97	729.60	6.0	264	237	66			
	24	54	172	137	100	120	0.13	1.76	732.13	6.0			66			
									734.65							

MM5 L.C. AFTER

L.C. BEFORE STOPPED IN. H2O @ 15 IN. HG.
L.C. AFTER STOPPED IN. H2O @ 17 IN. HG.

MM5 TOTAL L.C.V. BEFORE
AFTER
TOTAL

K:\VANDJ\SOURCE

...ATION OF PARTICULATE / ORGANIC COMPOUND

Test No. 2

Date: Sept 2

Company: B & M Metals Location: _____

Filter no. _____ Nozzle size _____

Barometric pressure _____ in. Hg Static Pressure _____ in.H2O

Sampling personnel _____ / _____ / _____ / _____

K' =

	TRAVERSE POINT No.	SAMPLING TIME (min)	STACK TEMP. F	METER TEMP. F IN	METER TEMP. F OUT	METER TEMP. F Avg.	PITOT DP in. H2O	ORIFICE DH in. H2O	DRY GAS METER METER INT.	DRY GAS METER VACUUM in. H2O	TEMP. F PROBE	TEMP. F OVEN	TEMP. F IMP.OUT	STACK VELOCITY ft/s	METER RATE FACTOR	FIELD % I
	1	57	173	138	99	120	0.13	1.76	736.16	6.0	264	268	66			
	2	100	173	135	97	120	0.13	1.76	739.66	6.[illegible]	268	274	66	22.71	39.03	97
	3	103	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	742.24	[illegible]	[illegible]	[illegible]	[illegible]			
	4	106	172	[illegible]	[illegible]	[illegible]	0.11	1.49	744.66	6.0	[illegible]	241	63			
MAN ZEROED	5	109	172	135	97	120	0.11	1.49	748.04	6.0	[illegible]	263	63	20.81	42.41	103
	6	112	172	134	97	120	0.11	1.49	749.42							
	7	115	172	134	97	120	0.11	1.49	751.78	6	239	250	63			
	8	118	172	134	97	120	0.11	1.49	754.15	6.0	242	256	63			
	9	121	172	134	97	120	0.11	1.49	756.50		244	251	62			
	10	124	172	134	97	120	0.11	1.49	758.96	6.0	248	272	62			
MAN ZEROED	11															
	12															
	13															
	14															
	15															
	16															
MAN ZEROED	17															
	18															
	19															
	20															
	21															
	22															
MAN ZEROED	23															
	24															

MM5 L.C.

L.C. BEFORE _____ IN. H2O @ _____ IN. HG.

L.C. AFTER _____ IN. H2O @ _____ IN. HG.

MM5 L.C. AFTER

MM5 TOTAL L.C.V. BEFORE _____ AFTER _____ TOTAL _____

K:\VANDJ\SOURCE

DETERMINATION OF THE PROPORTION OF WATER VAPOR IN GAS STREAM

COMPANY	TEST NO.	STACK NO.	RUN NO.
B & M Metals	3	1	D

METHOD: Reference Method #4

IMPINGER	INITIAL WEIGHT (g)	IMPINGER CONTENTS	FINAL WEIGHT (g)	NET WEIGHT (g)
1D	503.9	100 ml Aqua Regia	849.9	346.0
2D	631.6	100 ml Aqua Regia	870.7	239.1
3D	635.7	100 ml Deionized H2O	899.4	263.7
4D	480.2	Blank	881.3	401.1
5D	809.5	Silica Gel	955.8	146.3
		Total Weight Water Trapped & Absorbed		1396.2

AVG. METER TEMP, °F	VOL SAMPLED (ft^3)	VOL H2O COLLECTED (g)
120	139.44	1396.2

VOLUME WATER VAPOR COLLECTED	**67.02 ft^3 H2O**
DRY GAS VOLUME	**129.20 DSCF**
PROPORTION OF WATER VAPOR IN THE GAS STREAM	**0.342**

Company: **B & M Metals** Location: Hamilton Sampling Date: Sep. 3/93 Test #: 3 Sampling Personel: RES/LR

Gas Analysis							
SO2 (ppm)	NOx (ppm)	CO (ppm)	CO2 (%)	O2 (%)	Ar (%)	N2 (%)	Dry Molecular Weight
0	30	15	7	12	0.95	80.04	29.71

Moisture Content				
Avg. Meter Temp. (°F)	Volume Sampled (ft³)	Volume H2O Collected (g)	Proportion H2O, Bwo	Wet Molecular Weight
120	139.44	1396.2	0.342	25.71

Sampling Parameters

Traverse #: 1
Number of Points per Traverse: 4
Start Time: 10:15 am
Stop Time: 11:39 am
Sampling Period per Traverse: 84 minutes
Leak Check: Before 0.001 CFM @ 19 "Hg
After 0.001 CFM @ 19 "Hg

Dry Gas Meter Correction Factor: 1
Pitot Coefficient: 0.82
Nozzle Diameter 0.4335 inch

Source Parameters

Stack Diameter: 16 inches
Stack Area: 1.396 ft²
Barometric Pressure: 29.9 "Hg
Static Pressure: 0.5 "H2O

Traverse Direction	Traverse Point Number	Sampling Time (minutes)	Stack Temp. (°F)	Dry Gas Meter Temp. (°F)			Pitot DP ("H2O)	Orifice DH ("H2O)	Dry Gas Meter		Pump Vacuum ("Hg)	Temperature (°F)			Stack Velocity (ft/s)	Isokinetic (%)
				IN	OUT	Average			Meter (ft³)	Volume (ft³)		Probe	Oven	Impinger Out		
									761.10	0.00						
N-S	1	3	178	100	100	100	0.14	1.81	763.69	2.59	7	262	272	65	23.84	102.2
N-S	1	6	178	136	87	112	0.13	1.71	766.23	2.54	7	264	255	64	22.97	101.9
N-S	1	9	178	136	89	113	0.13	1.71	768.64	2.41	7	266	264	64	22.97	96.5
N-S	1	12	178	136	89	113	0.13	1.71	771.10	2.46	7	266	276	64	22.97	98.5
N-S	1	15	178	133	91	112	0.13	1.71	773.61	2.51	7	269	232	65	22.97	100.6
N-S	1	18	178	133	91	112	0.13	1.71	776.17	2.56	7	274	236	65	22.97	102.6
N-S	1	21	178	133	91	112	0.13	1.71	778.73	2.56	8	276	258	65	22.97	102.6
N-S	2	24	178	133	94	114	0.13	1.71	781.29	2.56	8	242	250	65	22.97	102.4
N-S	2	27	178	133	94	114	0.12	1.58	783.78	2.49	8	248	266	65	22.07	103.6
N-S	2	30	178	133	94	114	0.12	1.58	786.23	2.45	8	250	233	65	22.07	101.9
N-S	2	33	178	133	94	114	0.12	1.58	788.66	2.43	8	252	263	65	22.07	101.1
N-S	2	36	176	133	94	114	0.12	1.58	791.08	2.42	8	254	253	66	22.04	100.5
N-S	2	39	176	133	95	114	0.12	1.59	793.51	2.43	8	258	264	66	22.04	100.9
N-S	2	42	176	133	95	114	0.12	1.59	795.97	2.46	8	262	240	66	22.04	102.1
N-S	3	45	176	133	95	114	0.12	1.59	798.41	2.44	8	270	271	66	22.04	101.3
N-S	3	48	176	133	95	114	0.13	1.73	800.86	2.45	8	230	262	66	22.94	97.7
N-S	3	51	176	133	96	115	0.13	1.73	803.40	2.54	9	238	261	66	22.94	101.2
N-S	3	54	176	133	96	115	0.13	1.73	806.08	2.68	9	240	263	66	22.94	106.8
N-S	3	57	176	133	96	115	0.13	1.73	808.58	2.50	9	242	274	66	22.94	99.6
N-S	3	60	176	136	97	117	0.13	1.73	811.11	2.53	9	248	234	66	22.94	100.5
N-S	3	63	176	136	97	117	0.13	1.73	813.64	2.53	9	250	256	66	22.94	100.5
N-S	4	66	176	136	97	117	0.13	1.73	816.17	2.53	10	254	263	67	22.94	100.5
N-S	4	69	176	138	98	118	0.13	1.75	818.80	2.63	10	256	268	67	22.94	104.2
N-S	4	72	176	138	98	118	0.13	1.75	821.43	2.63	10	260	253	67	22.94	104.2
N-S	4	75	176	138	98	118	0.13	1.75	824.07	2.64	10	262	256	67	22.94	104.6
N-S	4	78	176	138	98	118	0.13	1.75	826.68	2.61	10	262	268	67	22.94	103.4
N-S	4	81	176	140	100	120	0.12	1.61	829.23	2.55	10	240	231	67	22.04	104.8
N-S	4	84	176	140	100	120	0.12	1.61	831.76	2.53	10	242	236	67	22.04	103.9
Max. Recorded Value			178	140	100	120	0.14	1.81		2.68	10	276	276	67	23.84	106.8
Min. Recorded Value			176	100	87	100	0.12	1.58		2.41	7	230	231	64	22.04	96.5
Average			177	134	95	114	0.13	1.69		2.52	8	255	256	66	22.69	101.8
Standard Deviation			1.0	7.0	3.4	3.7	0.01	0.07		0.07	1.1	11.9	14.0	1.0	0.48	2.2

Company: **B & M Metals** Location: Hamilton Sampling Date: Sep. 3/93 Test #: 3 Sampling Personel: RES/LR

Gas Analysis							
SO2 (ppm)	NOx (ppm)	CO (ppm)	CO2 (%)	O2 (%)	Ar (%)	N2 (%)	Dry Molecular Weight
0	30	15	7	12	0.95	80.04	29.71

Moisture Content				
Avg. Meter Temp. (°F)	Volume Sampled (ft³)	Volume H2O Collected (g)	Proportion H2O, Bwo	Wet Molecular Weight
120	139.44	1396.2	0.342	25.71

Sampling Parameters

Traverse #: 2
Number of Points per Traverse: 4
Start Time: 12:36 pm
Stop Time: 2:00 pm
Sampling Period per Traverse: 84 minutes
Leak Check: Before stopped CFM @ 18 "Hg
After stopped CFM @ 20 "Hg

Dry Gas Meter Correction Factor: 1
Pitot Coefficient: 0.82
Nozzle Diameter 0.4335 inch

Source Parameters

Stack Diameter: 16 inches
Stack Area: 1.396 ft²
Barometric Pressure: 29.9 "Hg
Static Pressure: 0.5 "H2O

Traverse Direction	Traverse Point Number	Sampling Time (minutes)	Stack Temp. (°F)	Dry Gas Meter Temp. (°F)			Pitot DP ("H2O)	Orifice DH ("H2O)	Dry Gas Meter		Pump Vacuum ("Hg)	Temperature (°F)			Stack Velocity (ft/s)	Isokinetic (%)
				IN	OUT	Average			Meter (ft³)	Volume (ft³)		Probe	Oven	Impinger Out		
									832.08	0.00						
E-W	1	3	179	100	120	110	0.10	1.29	834.21	2.13	9	230	227	67	20.16	97.7
E-W	1	6	179	138	120	129	0.10	1.34	836.47	2.26	9	232	232	67	20.16	100.3
E-W	1	9	179	138	120	129	0.10	1.34	838.71	2.24	9	236	240	67	20.16	99.4
E-W	1	12	179	138	120	129	0.12	1.61	841.14	2.43	9	238	246	67	22.09	98.5
E-W	1	15	179	138	120	129	0.12	1.61	843.60	2.46	9	240	252	67	22.09	99.7
E-W	1	18	179	140	120	130	0.12	1.61	846.04	2.44	9	242	245	67	22.09	98.8
E-W	1	21	179	140	120	130	0.12	1.61	848.50	2.46	9	242	248	67	22.09	99.6
E-W	2	24	179	140	120	130	0.12	1.61	850.95	2.45	9	246	246	67	22.09	99.2
E-W	2	27	179	140	120	130	0.12	1.61	853.40	2.45	9	248	253	67	22.09	99.2
E-W	2	30	176	140	120	130	0.12	1.61	855.85	2.45	9	250	258	67	22.04	98.9
E-W	2	33	176	140	120	130	0.12	1.61	858.33	2.48	9	254	253	67	22.04	100.1
E-W	2	36	176	140	120	130	0.12	1.61	860.82	2.49	10	258	238	67	22.04	100.6
E-W	2	39	174	135	120	128	0.12	1.62	863.31	2.49	10	260	248	67	22.00	100.8
E-W	2	42	174	135	120	128	0.12	1.62	865.79	2.48	10	264	254	67	22.00	100.4
E-W	3	45	176	135	120	128	0.12	1.62	868.24	2.45	10	268	275	67	22.04	99.4
E-W	3	48	176	133	115	124	0.12	1.60	870.75	2.51	10	270	248	67	22.04	102.4
E-W	3	51	176	133	115	124	0.12	1.60	873.33	2.58	10	233	243	67	22.04	105.3
E-W	3	54	176	133	115	124	0.12	1.60	875.70	2.37	10	240	247	67	22.04	96.7
E-W	3	57	176	133	115	124	0.12	1.60	878.19	2.49	10	242	252	67	22.04	101.6
E-W	3	60	176	133	115	124	0.13	1.73	880.77	2.58	11	246	256	67	22.94	101.2
E-W	3	63	176	133	115	124	0.13	1.73	883.35	2.58	11	250	262	67	22.94	101.2
E-W	4	66	174	133	115	124	0.13	1.73	886.02	2.67	11	252	268	67	22.90	104.5
E-W	4	69	174	133	115	124	0.12	1.60	888.45	2.43	12	250	272	67	22.00	99.0
E-W	4	72	174	133	115	124	0.12	1.60	890.80	2.35	13	260	258	67	22.00	95.7
E-W	4	75	174	133	115	124	0.12	1.60	893.30	2.50	13	268	262	68	22.00	101.8
E-W	4	78	174	133	115	124	0.12	1.60	895.81	2.51	13	270	272	68	22.00	102.2
E-W	4	81	176	134	115	125	0.12	1.60	898.38	2.57	13	246	242	68	22.04	104.8
E-W	4	84	176	134	115	125	0.12	1.60	900.86	2.48	13	248	250	68	22.04	101.1
Max. Recorded Value			179	140	120	130	0.13	1.73		2.67	13	270	275	68	22.94	105.3
Min. Recorded Value			174	100	115	110	0.10	1.29		2.13	9	230	227	67	20.16	95.7
Average			176	135	118	126	0.12	1.59		2.46	10	249	252	67	21.94	100.4
Standard Deviation			2.0	7.4	2.5	4.1	0.01	0.10		0.11	1.5	11.7	11.6	0.4	0.68	2.2

DETERMINATION OF PARTICULATE / ORGANIC COMPOUND

Test No. [illegible]

Date: [illegible] 3

Company: B & M Metals Location: _____

Filter no. 68 Nozzle size _____

Barometric pressure _____ in. Hg Static Pressure 29.9 in.H2O

Sampling personnel _____ / _____ / _____ / _____

Set 4 HIGHER

K' = 14.79

on @ 10:15

	TRAVERSE POINT No.	SAMPLING TIME (min)	STACK TEMP. F	METER TEMP. F IN	METER TEMP. F OUT	METER TEMP. F Avg.	PITOT DP in. H2O	ORIFICE DH in. H2O	DRY GAS METER METER (MMS L.C.)	DRY GAS METER VACUUM in. H2O	TEMP. F PROBE	TEMP. F OVEN	TEMP. F IMP.OUT	STACK VELOCITY ft/s	METER RATE FACTOR	FIELD % I
									761.10 INT. ~~759.39~~							
	1	3	178	100	100	100	0.14	1.81	763.68	7	262	172	65	23.67	39.11	101
	2	6	178	136	87	110	0.13	1.71	766.23	7	264	155	64	22.81	~~48.32~~	
	3	9	178	136	89	110	0.13	1.71	768.64	7	266	264	64	22.81	~~48.32~~	39.87
	4	12	178	136	89	110	0.13	1.71	771.10	7	266	176	64	22.89	~~48.32~~	98
MAN	5	15	178	133	91	110	0.13	1.71	773.61	7	269	232	65	22.81	39.87	100
ZEROED	6	18	178	133	91	110	0.13	1.71	776.17	7	274	236	65	22.81	39.87	
	7	21	178	133	91	110	0.13	1.71	778.73	8	276	258	65	22.81	39.87	102
	8	24	178	133	94	110	0.13	1.71	781.29	8	242	250	65	22.81	39.87	102
	9	27	178	133	94	110	0.12	1.58	783.78	8	248	266	65	21.91	41.89	104
	10	30	178	133	94	110	0.12	1.58	786.23	8	250	233	65	21.91	41.89	102
MAN	11	33	178	133	94	110	0.12	1.58	788.66	8	252	263	65	21.91	41.89	
ZEROED	12	36	176	133	94	110	0.12	1.58	791.08	8	254	253	66	21.91	41.89	101
	13	39	176	133	95	115	0.12	1.59	793.51	8	258	264	66	21.91	41.89	
	14	42	176	133	95	115	0.12	1.59	795.97	8	262	240	66	21.91	41.89	103
	15	45	176	133	95	115	0.12	1.59	798.41	8	270	271	66	21.91	41.89	
	16	48	176	133	95	115	0.13	1.73	800.86	8	230	262	66	22.77	39.47	97
MAN	17	51	176	133	96	115	0.13	1.73	803.40	9	238	261	66	22.77	39.47	
ZEROED	18	54	176	133	96	115	0.13	1.73	806.08	9	240	263	66	22.77	39.47	105
	19	57	176	133	96	115	0.13	1.73	808.55	9	242	274	66	22.77	39.47	97
	20	100	176	136	97	115	0.13	1.73	810.11	9	248	234	66	22.77	39.47	
	21	103	176	136	97	115	0.13	1.73	813.64	9	250	256	66	22.77	39.47	99
	22	106	176	136	97	115	0.13	1.73	816.17	10	254	263	67	22.77	39.47	
MAN	23	109	176	138	98	120	0.13	1.75	818.80	10	256	268	67	22.77	39.12	102
ZEROED	24	112	176	138	98	120	0.13	1.75	821.43	10	260	253	67	22.77	39.12	

MMS L.C. AFTER

L.C. BEFORE 0.001 IN. H2O @ 19 IN. HG.

L.C. AFTER _____ IN. H2O @ _____ IN. HG.

MMS TOTAL L.C.V. BEFORE _____ AFTER _____ TOTAL _____

K:\VANDJ\SOURCE

DETERMINATION OF PARTICULATE / ORGANIC COMPOUND

Company: S & M Metals Location:

Test No. 3

Filter no. Nozzle size

Date: Sept 3

Barometric pressure in. Hg Static Pressure in.H2O

Sampling personnel / / /

K' =

MM5 L.C.

	TRAVERSE POINT No.	SAMPLING TIME (min)	STACK TEMP. F	METER TEMP. F IN	METER TEMP. F OUT	METER TEMP. F Avg.	PITOT DP in. H2O	ORIFICE DH in. H2O	DRY GAS METER METER	DRY GAS METER VACUUM in. H2O	TEMP. F PROBE	TEMP. F OVEN	TEMP. F IMP.OUT	STACK VELOCITY ft/s	METER RATE FACTOR	FIELD % I
									INT. 11.43							
	1	115	176	138	98	120	0.13	1.75	824.07	10	262	256	67	22.77	39.12	103
	2	118	176	138	96	120	0.13	1.75	826.68	10	262	268	67	22.77	39.12	
1131	3	121	176	140	100	120	0.12	1.61	829.23	10	240	121	67	21.87	40.71	100
	4	124	176	140	100	120	0.12	1.61	831.76	10	242	236	67	21.87	40.71	
MAN	5															
ZEROED	6								832.08		2					
	7	3	179	140	100	120	0.10	1.29	834.21	9	230	227	67	20.02	46.26	98
	8	6	179	138	94	120	0.10	1.34	836.47	9	232	232	67	20.02	44.67	100
	9	9	179	138	95	120	0.10	1.34	837.71	9	236	240	67	20.02	44.67	
	10	12	179	138	95	120	0.12	1.61	841.14	9	238	246	67	21.93	40.81	
MAN	11	15	179	138	95	120	0.12	1.61	843.60	9	240	252	67	21.93	40.81	100
ZEROED	12	18	179	140	97	120	0.12	1.61	845.04	9	242	245	67	21.93	40.81	100
	13	21	179	140	97	120	0.12	1.61	848.50	9	244	248	67	21.93	40.81	
	14	24	179	140	97	120	0.12	1.61	850.95	9	246	246	67	21.93	40.81	99
	15	27	179	140	97	120	0.12	1.61	853.40	9	248	253	67	21.93	40.81	
	16	30	176	140	97	120	0.12	1.61	855.85	9	250	258	67	21.93	40.81	99
MAN	17	33	176	140	97	120	0.12	1.61	858.33	9	254	253	67	21.93	40.81	101
ZEROED	18	36	176	140	97	120	0.12	1.61	860.82	10	258	238	67	21.93	40.81	
	19	39	174	135	100	120	0.12	1.62	863.21	10	260	248	67	21.84	40.64	
	20	42	174	135	100	120	0.12	1.62	865.79	10	264	254	67	21.84	40.64	
	21	45	176	135	100	120	0.12	1.62	868.24	10	268	275	67	21.84	40.64	99
	22	48	176	133	100	115	0.12	1.60		10	270	248	67	21.87	41.06	
MAN	23	51	176	133	100	115	0.12	1.60	872.33	10	235	243	67	21.87	41.06	
ZEROED	24	54	176	133	100	115	0.12	1.60	875.70	10	240	247	67	21.87	41.06	

MM5 L.C. AFTER

L.C. BEFORE Stopped IN. H2O @ 78 IN. HG.

L.C. AFTER Stopped IN. H2O @ 20 IN. HG.

MM5 TOTAL L.C.V. BEFORE

AFTER

TOTAL

K:\VAND\SOURCE

DETERMINATION OF PARTICULATE / ORGANIC COMPOUND

Test No. 3

Date: SAT 3

Company: B & M Metals Location: _____

Filter no. _____ Nozzle size _____

Barometric pressure _____ in. Hg Static Pressure 29.7 in.H2O

Sampling personnel _____ / _____ / _____ / _____

K' =

MMS L.C.

	TRAVERSE POINT No.	SAMPLING TIME (min)	STACK TEMP. F	METER TEMP. F IN	METER TEMP. F OUT	METER TEMP. F Avg.	PITOT DP in. H2O	ORIFICE DH in. H2O	DRY GAS METER METER	DRY GAS METER VACUUM in. H2O	TEMP. F PROBE	TEMP. F OVEN	TEMP. F IMP.OUT	STACK VELOCITY ft/s	METER RATE FACTOR	FIELD % I
									INT. 5.70							
	1	5'	176	133	100	115	0.12	1.60	878.19	10	242	252	67	21.87	41.06	102
	2	100	176	133	100	115	0.13	1.73	880.77	11	246	256	67	22.77	39.47	102
	3	103	176	133	100	115	0.13	1.73	883.35	11	250	262	67	22.77	39.47	
	4	106	174	133	100	115	0.13	1.73	886.07	11	252	268	67	22.77	39.47	
MAN ZEROED	5	109	174	133	100	115	0.12	1.60	/	12	258	272	67	21.85	41.00	
	6	112	174	133	100	115	0.12	1.60	890.80	13	260	258	67	21.85	41.00	
	7	115	174	133	100	115	0.12	1.60	893.30	13	268	262	68	21.85	41.00	102
	8	118	174	133	100	115	0.12	1.60	895.81	13	270	272	68	21.85	41.00	103
	9	121	176	134	100	115	0.12	1.60	898.38	13	246	242	68	21.85	41.00	102
20°	10	124	176	134	100	115	0.12	1.60	900.86	13	248	250	60	21.85	41.00	101
MAN ZEROED	11															
	12															
	13															
	14															
	15															
	16															
MAN ZEROED	17															
	18															
	19															
	20															
	21															
	22															
MAN ZEROED	23															
	24															

MMS L.C. AFTER

L.C. BEFORE STOPPED IN. H2O @ _____ IN. HG.

L.C. AFTER STOPPED IN. H2O @ 26 IN. HG.

MMS TOTAL L.C.V. BEFORE _____

AFTER _____

TOTAL _____

K:\VANDA\SOURCE

APPENDIX F

Certificates Of Analyses

MANN TESTING LABORATORIES LTD.
5550 McADAM ROAD, MISSISSAUGA, ONTARIO L4Z 1P1
PHONE: 890-2555 • TELEX: 06-960496 • FAX: (416) 890-0370

STOMER: MANN TESTING LABS.
5550 MCADAM ROAD
MISSISSAUGA ONTARIO
L4Z 1P1

REPORT #: 933457

PROJECT #
PROJECT NAME:

TN: R.SMITH

DATE SUBMITTED: 1993-09-10

ANALYTICAL REPORT

ımple Description: FILTER

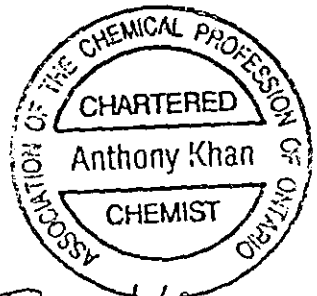
Preparation: Samples were prepared by acid digestion

Note: Additional information is available on request.

Methodology:
Metals - Jarrell Ash 61E ICAP emission
Nuisance Dust - Gravimetric

Chemical Results: See attached tables
Quality control data: See attached tables

DATE: 09-28-1993



REPORTED BY:
Anthony Khan, B.Sc.,C.Chem
Supervisor Inorganics

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Members: Association of Official Racing Chemists, American Chemical Society, Canadian Society of Forensic Science, Chemical Institute of Canada, American Society for Testing and Materials, Canadian Federation of Independent Business, Better Business Bureau, Association of the Chemical Profession of Ontario, Association of Professional Engineers of the Province of Ontario, Canadian Association of Fire Chiefs, American Industrial Hygiene Association, Air Pollution Control Association, Canadian Society of Safety Engineering, International Society for Respiratory Protection

QUALITY CONTROL INFORMATION

TOMER: MANN TESTING LABS. REPORT #: **933457**

AMETERS	UNITS	STANDARD TRUE	STANDARD FOUND	BLANK	SPIKE % REC	ANALYTICAL METHOD
	mg/L			<1		APHA 209C (GRAV)
d	ug	2500	2590	<12.5	104	EPA 6010 (ICP)

APLE I.D. **177016***
STOMER: MANN TESTING LABS.
OJECT #

REPORT #: **933457**
PROJECT NAME:
DATE SAMPLE COLLECTED: 1/ 9/93

ARAMETERS	SAMPLE RESULTS	DETECTION LIMIT	PREP'N DATE	ANALYSIS DATE
lsance dust	**0.197 g**	**0.0002 g**	**15/ 9/93**	**15/ 9/93**
ad	**50700 ug**	**1.25 ug**	**27/ 9/93**	**27/ 9/93**

REPORT #: 933457

MPLE I.D. 177015*
STOMER: MANN TESTING LABS.
OJECT #

PROJECT NAME:
DATE SAMPLE COLLECTED: 2/ 9/93

PARAMETERS	SAMPLE RESULTS	DETECTION LIMIT	PREP'N DATE	ANALYSIS DATE
itsance dust	0.116 g	0.0002 g	15/ 9/93	15/ 9/93
ead	38600 ug	1.25 ug	27/ 9/93	27/ 9/93

AMPLE I.D. 177014*
USTOMER: MANN TESTING LABS.
ROJECT #

REPORT #: 933457
PROJECT NAME:
DATE SAMPLE COLLECTED: 3/ 9/93

PARAMETERS	SAMPLE RESULTS	DETECTION LIMIT	PREP'N DATE	ANALYSIS DATE
uisance dust	0.202 g	0.0002 g	15/ 9/93	15/ 9/93
ead	52100 ug	1.25 ug	27/ 9/93	27/ 9/93

QUALITY CONTROL INFORMATION

USTOMER: MANN TESTING LABS. REPORT #: 933457

ARAMETERS	UNITS	STANDARD TRUE	STANDARD FOUND	BLANK	SPIKE % REC	ANALYTICAL METHOD
uisance dust	g					NIOSH 0600 (GRAV)
ead	ug	25000	25900	1.70	104	EPA 6010 (ICP)

MANN TESTING LABORATORIES LTD.
5550 McADAM ROAD, MISSISSAUGA, ONTARIO L4Z 1P1
PHONE: 890-2555 • TELEX: 06-960496 • FAX: (416) 890-0370

CUSTOMER: MANN TESTING LABS.
5550 MCADAM ROAD
MISSISSAUGA ONTARIO
L4Z 1P1

REPORT #: 933457

PROJECT #
PROJECT NAME:

ATTN: R.SMITH

DATE SUBMITTED: 1993-09-10

ANALYTICAL REPORT

Sample Description: LIQUID

Preparation: Samples were prepared as recommended in APHA Standard methods for the examination of water and wastewater,16th Edition, 1985 or MOE Handbook of analytical methods for environmental samples, 1983

Note: Additional information is available on request.

Instrumentation:

Metals - Jarrell Ash 61E ICAP emission
Perkin Elmer 3030 Zeeman graphite furnace
Perkin Elmer 2380 cold vapour AA

Anions - Dionex 2000i ion chromatograph

Conventionals - Skalar SA5 Segmented flow analyzer

Chemical Results: See attached tables
Quality control data: See attached tables

DATE: 09-28-1993

ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
Anthony Khan
CHEMIST

REPORTED BY:
Anthony Khan, B.Sc.,C.Chem
Supervisor Inorganics

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Members: Association of Official Racing Chemists, American Chemical Society, Canadian Society of Forensic Science, Chemical Institute of Canada, American Society for Testing and Materials, Canadian Federation of Independent Business, Better Business Bureau, Association of the Chemical Profession of Ontario, Association of Professional Engineers of the Province of Ontario, Canadian Association of Fire Chiefs, American Industrial Hygiene Association, Air Pollution Control Association, Canadian Society of Safety Engineering, International Society for Respiratory Protection.

SAMPLE I.D. 177023*
CUSTOMER: MANN TESTING LABS.
PROJECT #

REPORT #: 933457
PROJECT NAME:
DATE SAMPLE COLLECTED: 1/ 9/93

PARAMETERS	SAMPLE RESULTS	DETECTION LIMIT	PREP'N DATE	ANALYSIS DATE
TSS	<1 mg/L	1 mg/L	16/ 9/93	16/ 9/93
Lead	27.5 ug	12.5 ug	16/ 9/93	27/ 9/93

SAMPLE I.D. **177024***
CUSTOMER: MANN TESTING LABS.
PROJECT #

REPORT #: **933457**
PROJECT NAME:
DATE SAMPLE COLLECTED: 1/ 9/93

PARAMETERS	SAMPLE RESULTS	DETECTION LIMIT	PREP'N DATE	ANALYSIS DATE
TSS	<1 mg/L	1 mg/L	16/ 9/93	16/ 9/93
Lead	16.8 ug	12.5 ug	27/ 9/93	27/ 9/93

SAMPLE I.D. **177021***
CUSTOMER: MANN TESTING LABS.
PROJECT #

REPORT #: **933457**
PROJECT NAME:
DATE SAMPLE COLLECTED: 2/ 9/93

PARAMETERS	SAMPLE RESULTS	DETECTION LIMIT	PREP'N DATE	ANALYSIS DATE
TSS	1 mg/L	1 mg/L	16/ 9/93	16/ 9/93
Lead	189 ug	12.5 ug	27/ 9/93	27/ 9/93

SAMPLE I.D. **177022***
CUSTOMER: MANN TESTING LABS.
PROJECT #

REPORT #: **933457**
PROJECT NAME:
DATE SAMPLE COLLECTED: 2/ 9/93

PARAMETERS	SAMPLE RESULTS	DETECTION LIMIT	PREP'N DATE	ANALYSIS DATE
TSS	2 mg/L	1 mg/L	16/ 9/93	16/ 9/93
Lead	<12.5 ug	12.5 ug	27/ 9/93	27/ 9/93

SAMPLE I.D. **177025***
CUSTOMER: **MANN TESTING LABS.**
PROJECT #

REPORT #: **933457**
PROJECT NAME:
DATE SAMPLE COLLECTED: **3/ 9/93**

PARAMETERS	SAMPLE RESULTS	DETECTION LIMIT	PREP'N DATE	ANALYSIS DATE
TSS	**<1 mg/L**	**1 mg/L**	**16/ 9/93**	**16/ 9/93**
Lead	**18.4 ug**	**12.5 ug**	**27/ 9/93**	**27/ 9/93**

SAMPLE I.D. 177026*
CUSTOMER: MANN TESTING LABS.
PROJECT #

REPORT #: 933457
PROJECT NAME:
DATE SAMPLE COLLECTED: 3/ 9/93

PARAMETERS	SAMPLE RESULTS	DETECTION LIMIT	PREP'N DATE	ANALYSIS DATE
TSS	1 mg/L	1 mg/L	16/ 9/93	16/ 9/93
Lead	57.7 ug	12.5 ug	27/ 9/93	27/ 9/93

SAMPLE I.D. **190356***
CUSTOMER: **MANN TESTING LABS.**
PROJECT #

REPORT #: **933457**
PROJECT NAME:
DATE SAMPLE COLLECTED: 2/ 9/93

PARAMETERS	SAMPLE RESULTS	DETECTION LIMIT	PREP'N DATE	ANALYSIS DATE
TSS	**16 mg/L**	**1 mg/L**	**16/ 9/93**	**16/ 9/93**
Lead	**1220 ug**	**12.5 ug**	**27/ 9/93**	**27/ 9/93**

SAMPLE I.D. 177018*
CUSTOMER: MANN TESTING LABS.
PROJECT #

REPORT #: 933457
PROJECT NAME:
DATE SAMPLE COLLECTED: 3/ 9/93

PARAMETERS	SAMPLE RESULTS	DETECTION LIMIT	PREP'N DATE	ANALYSIS DATE
TSS	20 mg/L	1 mg/L	16/ 9/93	16/ 9/93
Lead	511 ug	12.5 ug	27/ 9/93	27/ 9/93

SAMPLE I.D. **177027***
CUSTOMER: MANN TESTING LABS.
PROJECT #

REPORT #: **933457**
PROJECT NAME:
DATE SAMPLE COLLECTED: 1/ 9/93

PARAMETERS	SAMPLE RESULTS	DETECTION LIMIT	PREP'N DATE	ANALYSIS DATE
TSS	**<1 mg/L**	**1 mg/L**	**16/ 9/93**	**16/ 9/93**
Lead	**4210 ug**	**12.5 ug**	**27/ 9/93**	**27/ 9/93**

APPENDIX G

Dispersion Modelling Raw Rate

MAXIMUM GROUND LEVEL CONCENTRATION
VERSION 2.00

Date: November 3, 1993

Application No: 4966
Reviewer: G. Reusing
Title: B&M METALS STACK EMISSIONS

Data from file: B&M.STK

Point Sources

Number	Height	Emission Rate	Exit Velocity	Diameter	Temp	X	Y
	m	gm/s	m/s	m	C	m	m
1	16.8	1.00	6.6*	.4	80.6	0.	0.

* - indicated source has exit velocity less than 7 m/s

Single Source Maximum Ground Level Concentrations

Source	Stability	Maximum Conc (ug/m3)	Distance (m)	Wind Speed (m/sec)
1	C	130.70	169.	2.235
	D	160.23	290.	2.235

CONCENTRATION AT POINTS
VERSION 2.00

Date: November 3, 1993

Application No: 4966
Reviewer: G. Reusing
Title: B&M METALS STACK EMISSIONS

Source data from file:

b&M.STK

Point Sources

Number	Height	Emission Rate	Exit Velocity	Diameter	Temp	X	Y
	m	gm/s	m/s	m	C	m	m
1	16.8	1.00	6.6*	.4	80.6	0.	0.

* - indicated source has exit velocity less than 7 m/s

Point of impingement data from file:

B&MPOI.PTI

Points of impingement

No	x (m)	y (m)	z (m)	type	Description
1	0.	10.	9.	closed	
2	0.	20.	9.	closed	
3	0.	30.	9.	closed	
4	0.	40.	9.	closed	
5	0.	50.	9.	closed	
6	0.	60.	9.	closed	
7	0.	70.	9.	closed	
8	0.	80.	9.	closed	
9	0.	90.	9.	closed	
10	0.	100.	9.	closed	
11	0.	110.	9.	closed	
12	0.	120.	9.	closed	
13	0.	130.	9.	closed	
14	0.	140.	9.	closed	
15	0.	150.	9.	closed	
16	0.	160.	9.	closed	
17	0.	170.	9.	closed	
18	0.	180.	9.	closed	
19	0.	190.	9.	closed	
20	0.	200.	9.	closed	
21	0.	20.	0.	closed	
22	0.	40.	0.	closed	
23	0.	60.	0.	closed	
24	0.	80.	0.	closed	
25	0.	100.	0.	closed	

26	0.	120.	0. closed
27	0.	140.	0. closed
28	0.	160.	0. closed
29	0.	180.	0. closed
30	0.	200.	0. closed

Point of Impingement (m)		Stab (m)		Concentration (ug/m3)	Wind Conditions Direction	Speed (m/s)	Height (m)
0.	10.	9.	C	.00000	90.0	2.235	9.1
			D	.00000	90.0	2.235	9.1
0.	20.	9.	C	.20633	90.0	2.235	9.1
			D	.00000	90.0	2.235	9.1
0.	30.	9.	C	27.022	90.0	2.235	9.1
			D	.31244	90.0	2.235	9.1
0.	40.	9.	C	127.96	90.0	2.235	9.1
			D	11.703	90.0	2.235	9.1
0.	50.	9.	C	232.08	90.0	2.235	9.1
			D	61.932	90.0	2.235	9.1
0.	60.	9.	C	291.85	90.0	2.235	9.1
			D	147.03	90.0	2.235	9.1
0.	70.	9.	C	311.81	90.0	2.235	9.1
			D	237.26	90.0	2.235	9.1
0.	80.	9.	C	307.71	90.0	2.235	9.1
			D	311.33	90.0	2.235	9.1
0.	90.	9.	C	291.68	90.0	2.235	9.1
			D	362.60	90.0	2.235	9.1
0.	100.	9.	C	271.05	90.0	2.235	9.1
			D	392.75	90.0	2.235	9.1
0.	110.	9.	C	249.81	90.0	2.235	9.1
			D	406.33	90.0	2.235	9.1
0.	120.	9.	C	229.87	90.0	2.235	9.1
			D	408.00	90.0	2.235	9.1
0.	130.	9.	C	211.98	90.0	2.235	9.1
			D	401.64	90.0	2.235	9.1
0.	140.	9.	C	196.27	90.0	2.235	9.1
			D	390.18	90.0	2.235	9.1
0.	150.	9.	C	182.58	90.0	2.235	9.1
			D	375.74	90.0	2.235	9.1
0.	160.	9.	C	170.62	90.0	2.235	9.1
			D	359.80	90.0	2.235	9.1
0.	170.	9.	C	160.11	90.0	2.235	9.1
			D	343.34	90.0	2.235	9.1
0.	180.	9.	C	150.80	90.0	2.235	9.1
			D	327.04	90.0	2.235	9.1
0.	190.	9.	C	142.46	90.0	2.235	9.1

			D	311.30	90.0	2.235	9.1
0.	200.	9.	C	134.92	90.0	2.235	9.1
			D	296.38	90.0	2.235	9.1
0.	20.	0.	C	.00000	90.0	2.235	.0
			D	.00000	90.0	2.235	.0
0.	40.	0.	C	.00000	90.0	2.235	.0
			D	.00000	90.0	2.235	.0
0.	60.	0.	C	2.8043	90.0	2.235	.0
			D	.00000	90.0	2.235	.0
0.	80.	0.	C	26.485	90.0	2.235	.0
			D	.35275	90.0	2.235	.0
0.	100.	0.	C	67.033	90.0	2.235	.0
			D	4.7708	90.0	2.235	.0
0.	120.	0.	C	101.65	90.0	2.235	.0
			D	19.454	90.0	2.235	.0
0.	140.	0.	C	121.95	90.0	2.235	.0
			D	44.216	90.0	2.235	.0
0.	160.	0.	C	129.96	90.0	2.235	.0
			D	73.158	90.0	2.235	.0
0.	180.	0.	C	129.91	90.0	2.235	.0
			D	100.48	90.0	2.235	.0
0.	200.	0.	C	125.28	90.0	2.235	.0
			D	122.93	90.0	2.235	.0

MINISTRY OF THE ENVIRONMENT
'05 JUL 11

Ontario

Ministry of the Environment
Ministère de l'Environnement

REVOCATION OF CERTIFICATE OF APPROVAL
AIR
Issue Date: June 9, 2011

Hamilton Iron & Metal Co. Ltd.
55 Cedar Street
Grimsby, Ontario
L3M 0B7

Site Location: 239 Caroline Street North
City of Hamilton

In accordance with Section 139(1)(e) of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, I hereby give notice that, under Section 9(5)(b) of the Act, I have revoked Certificate of Approval No. 8-2035-79-006 issued on June 28, 1979 for equipment associated with metal recycling.

The reason(s) for the revocation of the Certificate of Approval is (are) as follows:

This office received a request on March 23rd, 2011, signed by Katharine Belanger, Director of 687224 Ontario Inc., requesting that Certificate of Approval No.8-2035-79-006 be revoked as the company has ceased operations and all equipment has been removed, and as such the Certificate of Approval no longer applies to the site. It is in the interest of the public to revoke a Certificate of Approval for equipment that is not operating.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The grounds on which you intend to rely at the hearing considering your appeal.

The Notice should also include:

2. The name of the appellant;
3. The address of the appellant;
4. The Certificate of Approval number;
5. The date of the Certificate of Approval;
6. The name of the Director;
7. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

DATED AT TORONTO this 9th day of June, 2011

THIS CERTIFICATE WAS MAILED
ON June 28 2011
SP
(Signed)

Ian Greason, P.Eng.
Director
Section 9, *Environmental Protection Act*

BR/
c: District Manager, MOE Hamilton - District ✓
Katharine Belanger, 687224 Ontario Inc./B & M Metal Recycling

Ministry of the Environment / Ministère de l'Environnement

Ontario

ENVIRONMENTAL MONITORING
APR 3 1995
A REPORTING BRANCH

Generator Registration Report
"Regulation 309, R.R.O. 1980, Form 2"

Rapport d'inscription du producteur
Règlement 309, R.R.O. de 1980, formule 2"

NOTE: Regulation 309 requires generators of hazardous or liquid industrial wastes to submit a Generator Registration Report using this form respecting each waste generation facility and each hazardous or liquid industrial waste.

REMARQUE: Le règlement 309 exige que les producteurs de déchets industriels liquides ou dangereux présentent un Rapport d'inscription du producteur en se servant de la présente formule pour chaque lieu de production de déchets et chaque déchet industriel liquide ou dangereux.

Part I – Generator Identification / *Partie I – Identification du producteur*

This report is / *Le présent rapport constitue:*

Generator Registration Number / *N° d'inscription du producteur*: CN173470 00

1. [X] an initial generator registration report / *un premier rapport d'inscription du producteur*

or / *ou*

2. [ ] a revision – enter Ontario Generator Registration No. / *une révision – veuillez inscrire le numéro d'inscription du producteur de l'Ontario*

3. For generators located outside of Ontario, enter Registration/Notification number assigned by your local environmental authority. / *Si vous êtes un producteur de l'extérieur de l'Ontario, veuillez inscrire le numéro d'inscription/d'identification attribué par les autorités locales en matière d'environnement.*

Name of Generator (Enter the corporate name or, if a partnership or proprietorship, the name of the principal(s). If the generator intends to carry on business under a separate name or style, this should also be entered.) / ***Nom du producteur*** *(Veuillez inscrire la dénomination sociale ou, s'il s'agit d'une société en nom collectif ou d'une société à propriétaire unique, le nom du (des) principal (principaux) propriétaire(s). Si le producteur envisage d'exploiter une entreprise sous une dénomination ou un nom distinct, veuillez également le noter.)*

4. Name / *Nom*: B & M Metal Recycling

5. Address / *Adresse*: 228 Hess Street North, Hamilton

6. Municipality / *Municipalité*: Hamilton Wentworth | Province/State / *Province/Etat*: Ont | Postal Code / *Code postal*: L 8 R 2 T 6

7. Site location / *Lieu des installations*: 239 Caroline Street North, Hamilton

8. Municipality / *Municipalité*: Hamilton Wentworth | Province/State / *Province/Etat*: Ont | Postal Code / *Code postal*: L 8 R 2 S 3

9. Name of contact / *Nom de la personne à contacter*: Mr Ray Belanger | Tel No. / *N° de tél.*:

10. Standard Industrial Classification Codes (SIC) for Site noted in Section 7. / *Codes de la classification des activités économiques pour les installations décrites au n° 7*: 5612

11. Total number of wastes to be registered with this report / *Nombre total de déchets à inscrire au moyen de ce rapport*: 002

12. Name of Company Official / *Nom du représentant autorisé de la compagnie*: RAY BELANGER

13. Position / *Poste*: President

14. Signature / *Signature*: Ray Belanger

15. Date / *Date*: 30 March/95

PENALTY

Contraventions may be punished by fines of up to $2,000 (higher if environmental damage may result). (Environmental Protection Act, sections 47 and 147)

PENALITE

Toute infraction peut être sanctionnée par une amende maximale de 2 000 $ (ou plus s'il peut en résulter une détérioration de l'environnement). (Articles 47 et 147 de la Loi sur la protection de l'environnement)

16. **Ministry Use Only / *Réservé au ministère***

County Code / *Code de comté*	
Regional/District Code / *Code de région/district*	
Municipal Code / *Code de municipalité*	
Inter City Tie Line / *Ligne privée interurbaine*	

000131

Part 2 – Waste Identification / *Partie 2 – Identification des déchets*

1. Description of Waste / *Description des déchets*

Waste cooling water contaminated with oil

2. Description of generating process / *Description du procédé de production*

Removal/recycling of copper wire & cable

3. Waste quantity generated or accumulated / *Quantité des déchets produite ou accumulée*

Continuous process / *Procédé continu*

2000 L/mo

kg/mo. / *kg/mois*

or / *ou*

Batch process / *par lots*

batches/mo. / *lots/mois*

kg/batch / *kg/lot*

4. Primary characteristic / *Caractéristique principale*

Liquid Industrial Waste

Analytical data (if applicable). If the data has been estimated, attach separate sheet outlining the basis for the estimate. *Donnees analytiques (le cas echeant). Si les donnees sont estimatives, veuillez annexer une feuille à part pour décrire sur quoi reposent les estimations.*

Name of Laboratory (if applicable) / *Laboratoire (le cas echéant)*

Waste Class / *Catégorie des déchets*: 251L

Hazardous Waste Number / *Numéro des déchets dangereux*:

Specific Gravity / *Gravité spécifique*: . •

Physical State (Solid-S, Liquid-L, Gas-G) / *État physique (solide-S, liquide-L, gaz-G)*: L

For Ministry Use Only / *Réservé au ministère*

5. Secondary Characteristic / *Caractéristique secondaire*

Analytical data (if applicable) / *Données analytiques (le cas échéant)*

Part 3 – Waste Management / *Partie 3 – Gestion des déchets*

1. **Principal Intended Receiver / *Réceptionnaire principal prévu***

Company name and address / *Nom et adresse de la compagnie*

Falcon Environmental Inc.
260 Shoemaker Street, Kitchener

Municipality / *Municipalité*: Waterloo

Province/State / *Province/État*: Ont

Postal Code / *Code postal*: N2E 3E1

Receiver No. / *N° du receptionnaire*: A140220

2. **Principal Intended Carrier / *Transporteur principal prévu***

Company name and address / *Nom et adresse de la compagnie*

Hotz Environmental Services Inc.
239 Lottridge Street, Hamilton, Ontario

Municipality / *Municipalité*: Hamilton-Wentworth

Province/State / *Province/État*: Ont

Postal Code / *Code postal*: L8L 6W1

MOE Carrier No. / *N° du M. de l'E. du transporteur*: A 8251

Part 2 – Waste Identification / *Partie 2 – Identification des déchets*

1. Description of Waste / *Description des déchets*

Waste cooling sludge

2. Description of generating process / *Description du procédé de production*

Removal/recycling of copper wire & cable

3. Waste quantity generated or accumulated / *Quantité des déchets produite ou accumulée*

Continuous process / *Procédé continu*		Batch process / *par lots*	
1000 L/mo	or / *ou*	batches/mo. *lots/mois*	kg/batch / *kg/lot*
kg/mo. / *kg/mois*			

4. Primary characteristic / *Caractéristique principale*

Liquid Industrial Waste

Analytical data (if applicable). If the data has been estimated, attach separate sheet outlining the basis for the estimate. / *Données analytiques (le cas échéant). Si les données sont estimatives, veuillez annexer une feuille à part pour décrire sur quoi reposent les estimations.*

Name of Laboratory (if applicable). / *Laboratoire (le cas échéant)*

Waste Class / *Catégorie des déchets*	Hazardous Waste Number / *Numéro des déchets dangereux*	Specific Gravity / *Gravité spécifique*	Physical State (Solid-S, Liquid-L, Gas-G) / *État physique (solide-S, liquide-L, gaz-G)*
146L		.	L

For Ministry Use Only / *Réservé au ministère*

5. Secondary Characteristic / *Caractéristique secondaire*

Analytical data (if applicable) / *Données analytiques (le cas échéant)*

Part 3 – Waste Management / *Partie 3 – Gestion des déchets*

1. **Principal Intended Receiver** / ***Réceptionnaire principal prévu***

Company name and address / *Nom et adresse de la compagnie*

Falcon Environmental Inc.
260 Shoemaker Street, Kitchener

Receiver No. / *N° du receptionnaire*: A140220

Municipality / *Municipalité*: Waterloo
Province/State / *Province/État*: Ont
Postal Code / *Code postal*: N2E 3E1

2. **Principal Intended Carrier** / ***Transporteur principal prévu***

Company name and address / *Nom et adresse de la compagnie*

Hotz Environmental Services Inc.
239 Lottridge Street, Hamilton, Ontario

MOE Carrier No. / *N° du M. de l'E. du transporteur*: A 8251

Municipality / *Municipalité*: Hamilton-Wentworth
Province/State / *Province/État*: Ont
Postal Code / *Code postal*: L8L 6W1

Ontario

Ministry of Environment and Energy

Ministère de l'Environnement et de l'Énergie

135 St. Clair Avenue West
Suite 100
Toronto ON M4V 1P5

135, avenue St. Clair ouest
Bureau 100
Toronto ON M4V 1P5

April 12, 1995

B&M METAL RECYCLNG
239 CAROLINE STREET NORTH
HAMILTON, ONT
L8R 2S3

Attention: MR. RAY BELANGER

Re: Acknowledgement of Subject Waste Registration

In accordance with Subsection 18(3) of Ontario Regulation 347, this letter acknowledges receipt of your Generator Registration Report dated **March 30, 1995.** The Generator Registration Number assigned to your company is:

ON1734700

for the site located at:

239 CAROLINE STREET NORTH
HAMILTON, ONT

A list of acknowledged waste number(s) is attached as Schedule **"A".** The format of this schedule has been modified since July 1993. A waste number now appears only once, regardless of the number of different waste streams which may have identical waste numbers. The waste description is also generic. However, you are still required to register all waste streams, even if they have identical waste numbers.

For off-site disposal of subject waste, the appropriate waste number(s) acknowledged in Schedule "A", and the Generator Registration Number, must be entered in Part A of each manifest form after receipt of this generator registration document. Under Ontario's Environmental Protection Act, the property receiving the waste must be approved as a disposal site for the waste it is receiving. The disposal of waste at an uncertified site is illegal.

The selection of accurate waste numbers is your responsibility. This acknowledgement must not be considered a confirmation of the accuracy of the information submitted by you. Should the waste number(s) you have selected be deemed incorrect by the Ministry, or improper waste disposal occurs at any time, you may be subject to legal action as provided by the Environmental Protection Act and Regulation 347.

It is important to note that under Subsection 18(4) of Regulation 347, a supplementary Generator Registration Report must be submitted to the Ministry within 15 days for any of the following reasons:

1. if the name, address or telephone number of your company or generating site changes, or

2. if there is a significant change in the description, the waste number, or the physical or chemical characteristics of your registered waste(s), or

3. **if you generate a hazardous or liquid industrial waste that has not been registered with the Ministry, even if its waste number is already listed on Schedule "A".**

Your Generator Registration Report has been forwarded to the District Office of this Ministry that is closest to your generating site. Staff of the District Office conduct post-registration audits and may contact you for additional information or may visit your site.

Should you have any questions concerning generator registration or manifesting requirements, please contact the appropriate District Office of the Ministry.

Toronto	(416)326-6700	Owen Sound	(519)371-2901
Oakville	(905)815-5920	Sarnia	(519)336-4030
York-Durham	(416)424-3000	Windsor	(519)254-2546
Hamilton	(905)521-7650	Sudbury	(705)675-4501
Cambridge	(519)622-8121	North Bay	(705)476-1001
Welland	(905)732-0816	Gravenhurst	(705)687-6647
Kingston	(613)549-4000	Barrie	(705)726-1730
Cornwall	(613)933-7402	Thunder Bay	(807)475-1315
Ottawa	(613)521-3450	Kenora	(807)468-2718
Peterborough	(705)743-2972	Sault Ste. Marie	(705)949-4640
London	(519)661-2200	Timmins	(705)268-3222

D. Tolson

Director
Regulation 347, R.R.O., 1990
Environmental Protection Act

SCHEDULE "A"

In accordance with information submitted with your generator registration report(s), the site indicated below is registered for the waste number(s) shown on this schedule, which **may represent more than one waste stream.** This attached Schedule forms part of the acknowledgement of generator registration for the following site:

B&M METAL RECYCLNG

239 CAROLINE STREET NORTH
HAMILTON, ONT

identified by Generator Registration Number **ON1734700**, dated in Toronto, April 12, 1995.

WASTE STREAM	WASTE NUMBER
1. MISC. INORGANIC SOLIDS AND SLUDGES	146L
2. OTHER POLYMERIC WASTES	233N
3. OIL SKIMMINGS & SLUDGES	251L

---- End of List ----

BEST AVAILABLE COPY

Ministry of the Environment
Ontario

Generator Registration Reports (GRR) Summary

Generator Registration No.	Company Name	Log No.
N		

Waste Management Branch Review

☑ Initial GRR ☐ Re-submission ☐ Name Change ☐ Address Change

GRR(s) Dated	Date Received
June 8/93	June 14/93
Letter(s) Dated	Date Received

Telephone Record

Remarks

Waste(s) Added 233N

☐ Please follow-up carriers/receivers ☑ Acknowledged ☐ Rejected ☐ Exempted

Waste Management Branch Reviewer	Date
Dick Okuhara	June 30/93

Regional Review

☐ No changes to GRR ☐ Clarification to GRR (attachments enclosed) ☐ Changes to GRR (attachments enclosed)

☐ Site Audit ☐ Telephone Audit	Company Contact	Audit Date

Remarks

Regional Reviewer	Date
District Officer / Reg. 309 Co-ordinator	Date

Ontario

Ministry of Environment and Energy

Ministère de l'Environnement et de l'Énergie

135 St. Clair Avenue West
Suite 100
Toronto ON M4V 1P5

135, avenue St. Clair ouest
Bureau 100
Toronto ON M4V 1P5

July 9, 1993

B & M Metal Recycling
239 Caroline Street North
Hamilton, Ontario
L8R 2S3

Attn: Mr. Ray Belanger
President

Dear Mr. Belanger:

RE: Acknowledgement of Subject Waste Registration

As prescribed by Section 15(3) of Ontario Regulation 309, this letter acknowledges receipt of your Generator Registration Report(s) **dated June 8, 1993** for the following site:

239 Caroline Street North
Hamilton, Ontario

The Generator Registration Number assigned to your company at this site is:

ON1734700

Please note that this Generator Registration Number must be used only in conjunction with the site for which it was issued.

Please ensure that the company name shown in this letter is complete and accurate. This would be the corporate name or, if a partnership or proprietorship, the name of the principal(s). If you intend to carry on business under a separate name or style, this should also be entered. If there is a discrepancy, it is your responsibility to re-register providing us with your complete and accurate company name.

A list of the waste stream(s) covered by this acknowledgement is attached to this letter as Schedule "A".

Under the Environmental Protection Act of Ontario, off-site and on-site disposal of subject wastes is only permissible if the property receiving the waste has been approved as a waste disposal site. The disposal of waste materials in an uncertified site is unlawful.

For **off-site** disposal of subject wastes, the waste number(s) describing the waste stream(s) in Schedule "A" and the Generator Registration Number must be entered on manifest forms for each waste transaction after you have received this generator registration document. A copy of an example manifest form is attached for your information.

For **on-site** disposal of subject wastes covered by this acknowledgement, including on-site incineration, landfilling and discharges to sanitary sewers, every generator shall retain records for a period of at least two years. These records shall include the generator registration number, waste name(s), waste number(s), quantity and disposition of the waste(s).

For off-site disposal of any **registerable solid wastes** shown in Schedule "A" (waste classes ending in the letter "N"), manifesting is not required at this time. These wastes can be disposed of at most approved municipal landfilling sites.

The selection of accurate waste classes is the responsibility of each waste generator. This acknowledgement must not be considered as a confirmation of the accuracy of information submitted by you. Based on the information you have provided, the waste class(es) that has (have) been selected appear(s) to be correct. If, due to new information or re-assessment of information submitted, you feel your waste is inappropriately classified, you should apply for a revision to your registration using the Generator Registration Report, Form 2. Should the waste class(es) that you have selected be deemed incorrect by the Ministry, or improper waste disposal occurs at any time, you may be subject to legal action as provided by the Environmental Protection Act and Regulation 309.

Your Generator Registration Report has now been forwarded to the District Office of this Ministry that is closest to your generating site. The District Office will be conducting a post-registration audit and may be contacting you for additional information or may be conducting site visits.

It is important to note that under Section 15(4) of Ontario Regulation 309, a new Generator Registration Report must be submitted to the Ministry within fifteen (15) days for any of the following reasons:

1. If the name, address or telephone number of your company or waste generating site changes.

2. If the description, the waste class or physical or chemical characteristics of your registered wastes change(s).

3. If you generate a hazardous or liquid industrial waste that has not been registered with the Ministry.

If the quantity of registered wastes or your carrier or receiver changes, automatic re-registration is not required. However, in order to update our file, we may periodically request additional information when we observe or suspect a significant change as compared to the most recent information submitted by you for registration purposes.

Should you have any questions concerning generator registration or manifesting requirements, please contact the Waste Management Branch Reviewer identified below at 323-5156.

Yours truly,

Director
Regulation 309, R.R.O., 1980
Environmental Protection Act

Waste Management Branch Reviewer: Dick Okuhara
Dick Okuhara

WT/sf

Enclosure

SCHEDULE "A"

This attached Schedule forms part of the acknowledgement of generator registration for the facility and site identified by Generator Registration Number **ON1734700**, dated at Toronto, July 9, 1993.

	Waste Stream	Waste Class
1.	Wire and cable residue	233N

Waste Management Branch Reviewer: Dick Okuhara
Dick Okuhara

Ontario

of the Environment / de l'Environnement

WASTE MANAGEMENT BRANCH
JUN 14 1993
STANDARD SYSTEM

Generator Registration Report

"Regulation 309, R.R.O. 1980, Form 2"

Rapport d'inscription du producteur

"Règlement 309, R.R.O. de 1980, formule 2"

NOTE: Regulation 309 requires generators of hazardous or liquid industrial wastes to submit a Generator Registration Report using this form respecting each waste generation facility and each hazardous or liquid industrial waste.

REMARQUE: Le règlement 309 exige que les producteurs de déchets industriels liquides ou dangereux présentent un Rapport d'inscription du producteur en se servant de la présente formule pour chaque lieu de production de déchets et chaque déchet industriel liquide ou dangereux.

Part I – Generator Identification / *Partie I – Identification du producteur*

04-423

This report is / *Le présent rapport constitue:*

Generator Registration Number / *N° d'inscription du producteur*

1. [X] an initial generator registration report / *un premier rapport d'inscription du producteur*

ONI734700

or / ***ou***

2. [ ] a revision – enter Ontario Generator Registration No. / *une révision – veuillez inscrire le numéro d'inscription du producteur de l'Ontario*

3. For generators located outside of Ontario, enter Registration/Notification number assigned by your local environmental authority. / *Si vous êtes un producteur de l'extérieur de l'Ontario, veuillez inscrire le numéro d'inscription/d'identification attribué par les autorités locales en matière d'environnement.*

Name of Generator (Enter the corporate name or, if a partnership or proprietorship, the name of the principal(s). If the generator intends to carry on business under a separate name or style, this should also be entered.) / ***Nom du producteur*** *(Veuillez inscrire la dénomination sociale ou, s'il s'agit d'une société en nom collectif ou d'une société à propriétaire unique, le nom du (des) principal (principaux) propriétaire(s). Si le producteur envisage d'exploiter une entreprise sous une dénomination ou un nom distinct, veuillez également le noter.)*

4. Name / *Nom*: B & M METAL RECYCLING

5. Address / *Adresse*: 239 CAROLINE STREET NORTH HAMILTON

6. Municipality / *Municipalité*: HAMILTON | Province/State / *Province/État*: ONT | Postal Code / *Code postal*: L8R 2S3

7. Site location / *Lieu des installations*: 239 CAROLINE STREET NORTH HAMILTON ONTARIO

8. Municipality / *Municipalité*: HAMILTON | Province/State / *Province/État*: ONT | Postal Code / *Code postal*: L8R 2S3

9. Name of contact / *Nom de la personne à contacter*: RAY BELANGER | Tel No. / *N° de tél.*: 416 527 2727

10. Standard Industrial Classification Codes (SIC) for Site noted in Section 7. / *Codes de la classification des activités économiques pour les installations décrites au n° 7*: 5619

11. Total number of wastes to be registered with this report / *Nombre total de déchets à inscrire au moyen de ce rapport*: 01

12. Name of Company Official / *Nom du représentant autorisé de la compagnie*: 687224 ONTARIO INC. O/A B&M METAL RECYCLING

13. Position / *Poste*: PRESIDENT

14. Signature / *Signature*: Ray Belanger

15. Date / *Date*: June 8, 1993

PENALTY

Contraventions may be punished by fines of up to $2,000 (higher if environmental damage may result). (Environmental Protection Act, sections 47 and 147)

PENALITÉ

Toute infraction peut être sanctionnée par une amende maximale de 2 000 $ (ou plus s'il peut en résulter une détérioration de l'environnement). (Articles 47 et 147 de la Loi sur la protection de l'environnement)

16. **Ministry Use Only** / ***Réservé au ministère***

County Code / *Code de comté*	
Regional/District Code / *Code de région/district*	
Municipal Code / *Code de municipalité*	
Inter City Tie Line / *Ligne privée interurbaine*	

000142

art 2 – Waste Identification / *Partie 2 – Identification des déchets*

1. Description of Waste / *Description des déchets*

Wire and cable residue

2. Description of generating process / *Description du procédé de production*

Residue left from wire chopping line

3. Waste quantity generated or accumulated / *Quantité des déchets produits ou accumulés*

Continuous process / *Procédé continu*		Batch process / *par lots*		
13500	or / *ou*	09	15000	
kg/mo. / *kg/mois*		batches/mo. / *lots/mois*	kg/batch / *kg/lot*	

4. Primary characteristic / *Caractéristique principale*

registerable solid waste

Analytical data (if applicable). If the data has been estimated, attach separate sheet outlining the basis for the estimate. *Données analytiques (le cas échéant). Si les données sont estimatives, veuillez annexer une feuille à part pour décrire sur quoi reposent les estimations*

See acid leachate analysis attached

Name of Laboratory (if applicable). / *Laboratoire (le cas échéant)*

Barringer Laboratories

Waste Class / *Catégorie des déchets*	Hazardous Waste Number / *Numéro des déchets dangereux*	Specific Gravity / *Gravité spécifique*	Physical State (Solid-S, Liquid-L, Gas-G) / *État physique (solide-S, liquide-L, gaz-G)*
233N	N/A		S

For Ministry Use Only / *Réservé au ministère*

5. Secondary Characteristic / *Caractéristique secondaire*

N/A

Analytical data (if applicable) / *Données analytiques (le cas échéant)*

Part 3 – Waste Management / *Partie 3 – Gestion des déchets*

1. Principal Intended Receiver / *Réceptionnaire principal prévu*

Company name and address / *Nom et adresse de la compagnie*

PHILIP ENTERPRISES INC.

237 BRANT STREET HAMILTON

Receiver No. / *N° du réceptionnaire*: A100143

Municipality / *Municipalité*: HAMILTON

Province/State / *Province/État*: ONT

Postal Code / *Code postal*: L8L 7W2

2. Principal Intended Carrier / *Transporteur principal prévu*

Company name and address / *Nom et adresse de la compagnie*

PHILIP ENTERPRISES INC.

651 BURLINGTON STREET EAST

MOE Carrier No. / *N° du M. de l'E. du transporteur*: A820156

Municipality / *Municipalité*: HAMILTON

Province/State / *Province/État*: ONT

Postal Code / *Code postal*: L8L 7W2

BARRINGER LABORATORIES

5735 McAdam Road
Mississauga, Ontario
L4Z 1N9
Tel: (416) 890-8566
Fax: (416) 890-8575
Wats: 1-800-263-9040

26-Mar-93

PHILIP ENTERPRISES
651 Burlington Street, East
Hamilton, ON
L8L 7W2

Page: 1
Copy: 1 of 2
Set : 1

Attn: Mr. Bryan Johns
Project: 6723

Received: 22-Mar-93 10:36
PO #: P. Ipema #01

Job: 931231

Status: Final

Parameter			MDL leach	CONC.1 leach	CONC.2 leach	CONC.3 leach	6723 leach
As	HGAAS	mg/L	0.001	0.050	0.500	5.00	0.006
Se	HGAAS	mg/L	0.001	0.010	0.100	1.00	<0.001
Hg	CVAAS	mg/L	0.00005	0.00100	0.0100	0.100	<0.00005
Free CN-	A. Col.	mg/L	0.003	0.200	2.00	20.0	<0.001
F-	IC	mg/L	0.1	2.4	24.0	240.	<0.1
LOD	Grav.	%	---	---	---	---	1.30
Wt. Samp.	Grav.	g	---	---	---	---	50.6
Ag	ICAP	mg/L	0.005	0.050	0.500	5.00	<0.005
Ba	ICAP	mg/L	0.005	1.00	10.0	100.	0.056
B	ICAP	mg/L	0.010	5.00	50.0	500.	0.018
Cd	ICAP	mg/L	0.005	0.005	0.050	0.500	0.043
Cr	ICAP	mg/L	0.01	0.05	0.50	5.00	<0.01
Pb	ICAP	mg/L	0.05	0.05	0.50	5.00	0.85

BARRINGER LABORATORIES

5736 McAdam Road
Mississauga, Ontario
L4Z 1N9
Tel: (416) 890-8568
Fax: (416) 890-8575
Wats: 1-800-263-9040

26-Mar-93

Page: 2
Copy: 1 of 2

PHILIP ENTERPRISES
651 Burlington Street, East
Hamilton, ON
L8L 7W2

Attn: Mr. Bryan Johns
Project: 6723

Received: 22-Mar-93 10:36
PO #: P. Ipema #01

Job: 931231

Status: Final

CONC.1 = Schedule 4 Concentration (mg/L)
CONC.2 = Registerable Waste Concentration (mg/L)
CONC.3 = Suject Waste Concentration (mg/L)
MDL = Method Detection Limit (mg/L)

Job approved by:

Signed:
.....
Agnes Love, B.Sc.
Manager, Environmental Inorganic Services

** TOTAL PAGE.002 **

MAR 26 '93 9:45 FROM BARRINGER LABS TO BRIAN JOHNS PAGE.002/002

BARRINGER LABORATORIES

5735 McAdam Road
Mississauga, Ontario
L4Z 1N9
Tel: (416) 890-8566
Fax: (416) 890-8575
Wats: 1-800-263-904

20-Apr-93

Mr. Bryan Johns
PHILIP ENTERPRISES
651 Burlington Street, East
Hamilton, ON
L8L 7W2

Page: 1
Copy: 1 of 2
Set : 1

Generator: HAMILTON WIRE & METAL
Project: 6791

Received: 16-Apr-93 09:34
PO #: P. Ipema #01

Job: 931362

Status: Final

Parameter	6791 solid
Total PCB's GC/ECD ug/g	2.40

Job approved by:

Signed:

.....

Mike Muneswar
Manager, Environmental Inorganic Services

Ministry of the Environment
Ontario

APR 15 1987

SUMMARY FORM FOR GENERATOR REGISTRATION REPORTS (GRR)

GENERATOR REGISTRATION NUMBER : ON0579100

COMPANY NAME : HAMILTON IRON & METAL CO. LTD

19-143

WASTE MANAGEMENT BRANCH (WMB) REVIEW

NOTES :

Based on information provided, Waste Class(es) appear(s) reasonable as acknowledged

ACKNOWLEDGED ☐

REJECTED ☐

WMB REVIEWER

DATE :

REGIONAL REVIEW

NOTES :

☐ No changes to GRR

☐ Clarification to GRR (attachments enclosed)

☐ Changes to GRR (attachments enclosed)

REGIONAL REVIEWER

DATE :

DISTRICT OFFICER

DATE :

0115 (6/86)

Ministry of the Environment
Ministère de l'Environnement

135 St. Clair Avenue West
Suite 100
Toronto, Ontario
M4V 1P5

135, avenue St. Clair ouest
Bureau 100
Toronto (Ontario)
M4V 1P5

March 20, 1987

Hamilton Iron and Metal Co. Ltd.
239 Caroline St. N.
Hamilton, Ont.
L8R 2S3

Attn: Mr. J. Lieberman
Owner/Mgr.

Dear Mr. Lieberman:

Re: Generator Registration Report

This is in response to your Generator Registration Report dated **September 16, 1986 and telephone conversation of March 17/87 with A. Lieberman.**

From the information submitted, we understand that your PCB oil is exempt from the definition of subject waste because no waste is generated or stored at this site. Therefore, under Ontario Regulation 309, this waste is not subject to registration or manifesting.

The above exemption does not relieve you of the responsibility of ensuring that the disposal of this waste is in accordance with the requirements of the Environmental Protection Act.

It is your responsibility to re-evaluate all of your wastes and to re-register if any are found to be subject to Regulation 309. If you have any questions, please contact the reviewer shown below 963-3960.

Yours truly,

Director
Regulation 309, R.R.O., 1980
Environmental Protection Act

Waste Management Branch Reviewer: _____
N. Martin

Enclosure

LE 03 07
5-240

Ontario

Ministry of the Environment / Ministère de l'Environnement

Generator Registration Report

"Regulation 309, R.R.O. 1980, Form 2"

Rapport d'inscription du producteur

"Règlement 309, R.R.O. de 1980, formule 2"

BEST AVAILABLE COPY

NOTE: Regulation 309 requires generators of hazardous or liquid industrial wastes to submit a Generator Registration Report using this form respecting each waste generation facility and each hazardous or liquid industrial waste.

REMARQUE: Le règlement 309 exige que les producteurs de déchets industriels liquides ou dangereux présentent un Rapport d'inscription du producteur en se servant de la présente formule pour chaque lieu de production de déchets et chaque déchet liquide ou dangereux.

19-143

Part I – Generator Identification / *Partie I – Identification du producteur*

This report is / *Le présent rapport constitue:*

Generator Registration Number / *N° d'inscription du producteur*

1. ☒ an initial generator registration report / *un premier rapport d'inscription du producteur*

or / *ou*

2. ☐ a revision – enter Ontario Generator Registration No. / *une révision – veuillez inscrire le numéro d'inscription du producteur de l'Ontario*

3. For generators located outside of Ontario, enter Registration/Notification number assigned by your local environmental authority. / *Si vous êtes un producteur de l'extérieur de l'Ontario, veuillez inscrire le numéro d'inscription/d'identification attribué par les autorités locales en matière d'environnement.*

Name of Generator (Enter the corporate name or, if a partnership or proprietorship, the name of the principal(s). If the generator intends to carry on business under a separate name or style, this should also be entered.) / ***Nom du producteur*** *(Veuillez inscrire la dénomination sociale ou, s'il s'agit d'une société en nom collectif ou d'une société à responsabilité unique, le nom du (des) principal (principaux) propriétaire(s). Si le producteur envisage d'exploiter une entreprise sous une dénomination ou un nom distinct, veuillez également le noter.)*

4. Name / *Nom*: HAMILTON IRON AND METAL CO LTD

5. Address / *Adresse*: 207 CHARLTON ST N

6. Municipality / *Municipalité*: HAMILTON | Province / State / *Province, Etat*: ONT | Postal Code / *Code postal*: L8R 2S3

7. Site location / *Lieu des installations*: SAME AS ABOVE

8. Municipality / *Municipalité* | Province/State / *Province, Etat* | Postal Code / *Code postal*

9. Name of contact / *Nom de la personne à contacter*: JACK GERALD LIEBERMAN | Tel No. / *N° de tél.*: 416 529 2229

10. Standard Industrial Classification Codes (SIC) for Site noted in Section 7. / *Codes de la classification des activités économiques pour les installations décrites au n° 7*: 5613 5919

11. Total number of wastes to be registered with this report / *Nombre total de déchets à inscrire au moyen de ce rapport*: 1

12. Name of Company Official / *Nom du représentant autorisé de la compagnie*: JACK LIEBERMAN

13. Position / *Poste*: OWNER / MGR.

14. Signature / *Signature*

15. Date / *Date*: SEPT. 16/86

PENALTY

Contraventions may be punished by fines of up to $2,000 (higher if environmental damage may result). (Environmental Protection Act, sections 47 and 147)

PÉNALITÉ

Toute infraction peut être sanctionnée par une amende maximale de 2 000 $ (ou plus s'il peut en résulter une détérioration de l'environnement). (Articles 47 et 147 de la Loi sur la protection de l'environnement)

16. **Ministry Use Only** / ***Réservé au ministère***

County Code / *Code de comté*	13
Regional/District Code / *Code de région/district*	201
Municipal Code / *Code de municipalité*	02 [illegible]
Inter City Tie Line / *Ligne privée interurbaine*	[illegible]

000149

Part 2 - Waste Identification / *Partie 2 – Identification des déchets*

1. Description of Waste / *Description des déchets*

WE PERIODICALY BUY SCRAP TRANSFORMERS FROM PUBLIC UTILITIES ON A TENDER BASIS. WE HANDLE TRANSFORMERS ONLY IF THEY ARE SEALED AND ACCOMPANIED BY A LETTER STATING ITS CONTENT IS UNDER 50 ppm.

'93 SEP 10 P 2:13

2. Description of generating process / *Description du procédé de production*

WE ARE BUYING THESE TRANSFORMERS ONLY FOR THEIR COPPER CONTENT. ACCORDING TO A SEMINAR GIVEN BY THE MOE. WE WOULD NOT BE CONSIDERED GENERATORS OF PCB WASTE. BUT WE ARE REGISTERING IN ORDER TO BE INSURED.

WE VIRTUALLY HAVE NO PCB OIL TO DISPOSE OF AT ANY TIME

3. Waste quantity generated or accumulated / *Quantité des déchets produite ou accumulée*

Continuous process / *Procédé continu*

kg/mo. / *kg/mois*

or / *ou*

Batch process / *par lots*

batches/mo. *lots/mois*

kg/batch / *kg/lot*

4. Primary characteristic / *Caractéristique principale*

LIQUID INOL WASTE

Analytical data (if applicable). If the data has been estimated, attach separate sheet outlining the basis for the estimate. / *Données analytiques (le cas échéant). Si les données sont estimatives, veuillez annexer une feuille à part pour décrire sur quoi reposent les estimations.*

NOT APPLICABLE

Name of Laboratory (if applicable). / *Laboratoire (le cas échéant)*

Waste Class / *Catégorie des déchets* 2 4 3 D

Hazardous Waste Number / *Numéro des déchets dangereux* UN 2315

Specific Gravity / *Gravité spécifique* 1 • 10

Physical State (Solid-S, Liquid-L, Gas-G) / *État physique (solide-S, liquide-L, gaz-G)* L

For Ministry Use Only / *Réservé au ministère*

5. Secondary Characteristic / *Caractéristique secondaire*

HAZARDOUS INDUSTRIAL WASTE

Analytical data (if applicable) / *Données analytiques (le cas échéant)*

Part 3 – Waste Management / *Partie 3 – Gestion des déchets*

1. **Principal Intended Receiver / *Réceptionnaire principal prévu***

Company name and address / *Nom et adresse de la compagnie*

Receiver No. / *N° du réceptionnaire*

Municipality / *Municipalité*

Province/State / *Province/État*

Postal Code / *Code postal*

2. **Principal Intended Carrier / *Transporteur principal prévu***

Company name and address / *Nom et adresse de la compagnie*

MOE Carrier No. / *N° du M. de l'E. du transporteur* A

Municipality / *Municipalité*

Province/State / *Province/État*

Postal Code / *Code postal*

000150

BEST AVAILABLE COPY

Ministry of the Environment
Ontario

Record of Verbal Transaction

Waste Management Branch

File No. ON0579100

From:	To:	
[illegible]	Al Lieberman	
Location	Location	
☐ Incoming Call ☒ Outgoing Call ☐ Interview	Time 10 35	Date 17/5/87

Re:

- [illegible] [illegible] [illegible] no longer deal [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] due to the current [illegible] of PCBs
[illegible] [illegible] [illegible] being generated or is [illegible] on the property

1259E (2/85)

NM
Signature

000151

Ministry of the Environment
Ministère de l'Environnement

135 St. Clair Avenue West
Suite 100
Toronto, Ontario
M4V 1P5

135 ouest, avenue St. Clair
Bureau 100
Toronto (Ontario)
M4V 1P5

October 15, 1986

Hamilton Iron and Metal Co. Ltd.
239 Caroline Street North
Hamilton, Ontario
L8R 2S3

Attn: Mr. Jack Lieberman
Owner/Manager

Dear Mr. Lieberman:

We have received your Generator Registration Report(s) dated **September 16, 1986,** for the following site:

239 Caroline Street North
Hamilton, Ontario

Your generator registration report has not yet been reviewed and as such we are not in a position to respond under section 15 (3) of Regulation 309 and issue either an acknowledgement or rejection. However, by submitting a complete report before September 17, 1986, you have complied with the registration requirements and can continue to manage the wastes covered by the registration in accordance with the Environmental Protection Act and Regulation 309, until this review is complete.

For purposes of **administrative convenience only**, the following number can be used on manifests in place of a generator registration number until a final decision regarding your generator registration report has been made:

ON0579100Y

For waste transactions, until our review is complete, this number should be entered in the box for the generator registration number at the top of Part A of the manifest.

The waste class(es) to be entered on the manifest is (are) the responsibility of the generator. You should ensure that the waste class(es) selected by you accurately describe(s) your waste(s).

.../2

If you have any questions, please feel free to contact the closest District Office of this Ministry. In the meantime, staff of this Branch will be reviewing your generator registration report and will be contacting you shortly.

Yours truly,

Director
Regulation 309, R.R.O., 1980
Environmental Protection Act

cc: Reg. 309 Coordinators

RAB/gwm

IN 08 21

Schranz, Tracey

From: Public Information Services <publicinformationservices@tssa.org>
Sent: November-24-17 10:58 AM
To: Schranz, Tracey
Subject: RE: Tank Inquiry

Hello Tracey,

Thank you for your inquiry.

We have no record in our database of any fuel storage tanks at the subject address (addresses).

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Thank you and have a great day,

Sherees

Sherees Thompson | Public Information Agent
Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-3363 | Fax: +1-416-231-6183 | E-Mail: sthompson@tssa.org
www.tssa.org

Employeur remarquable du Canada 2016 PARTENARIAT EN ÉDUCATION
Canada's Outstanding Employer 2016 THE LEARNING PARTNERSHIP

From: Schranz, Tracey [mailto:tracey.schranz@woodplc.com]
Sent: November 23, 2017 9:06 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Tank Inquiry

Hello, could you please inform me of any spills, fuel storage tanks, complaints or issues with the following addresses in **Hamilton, Ontario**:

- 239 Caroline St N (historically included 230 Hess St)
- 228 Hess St N (historically 184 Barton St W, 231 and 249 Hess St N)
- 231-249 Hess St N
- 4, 10, 16, 22, 26, 28 and 30 Tiffany St N

Thank you,

Tracey Schranz, B.E.S.
Environmental Site Assessor

***Please note email address change:** tracey.schranz@woodplc.com

Mobile: 905-741-5250
Direct: 519-650-7111
www.woodplc.com

wood. *(Formerly Amec Foster Wheeler)*

Hamilton Org Management Systems
Registered to ISO 9001

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Schranz, Tracey

From: Public Information Services <publicinformationservices@tssa.org>
Sent: December-29-17 11:57 AM
To: Schranz, Tracey
Subject: RE: Tank Search

Hello Tracy,

Thank you for your inquiry.

I have searched the below noted address (addresses) and I have located the following record:

- 198 Barton St West, Hamilton: 5 shut down liquid fuel tanks, 1 expired propane tank.

For a further search in our archives or a detailed report of the findings, please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Thank you and have a great day,

Sherees

From: Schranz, Tracey [mailto:tracey.schranz@woodplc.com]
Sent: December 18, 2017 12:10 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Tank Search

Hello, could you please inform me of any spills, fuel storage tanks, complaints or issues with the following addresses in **Hamilton, Ontario**:

- 167, 176, 178, 180, 182 and 198 Barton St West
- 177 Bay St North
- 129-131 Caroline St N
- 217 Hess St N/221 Barton St W (same property)
- 242 Queen St N

Thank you,

Tracey Schranz, B.E.S.
Environmental Site Assessor

***Please note email address change:** tracey.schranz@woodplc.com

Mobile: 905-741-5250
Direct: 519-650-7111
www.woodplc.com

wood. *(Formerly Amec Foster Wheeler)*

Hamilton Org Management Systems
Registered to ISO 9001

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If you do not wish to receive future unsolicited commercial electronic messages from us, please forward this email to: unsubscribe@woodplc.com and include “Unsubscribe” in the subject line. If applicable, you will continue to receive invoices, project communications and similar factual, non-commercial electronic communications.

Please click http://www.woodplc.com/email-disclaimer for notices and company information in relation to emails originating in the UK, Italy or France.

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This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

Schranz, Tracey

From: Public Information Services <publicinformationservices@tssa.org>
Sent: January-16-18 3:55 PM
To: Schranz, Tracey
Subject: RE: Tank Search

Hi Tracey,

Happy New Year to you too!

Thank you for your inquiry.

We have no record in our database of any fuel storage tanks at the subject address (addresses with West direction).

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Thank you and have a great day,

Roxana

From: Schranz, Tracey [mailto:tracey.schranz@woodplc.com]
Sent: January 2, 2018 4:32 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: RE: Tank Search

Hello and Happy New Year! The request copied below was for Barton St West. Can you please advise on the below record?

Thanks

Tracey

From: Public Information Services [mailto:publicinformationservices@tssa.org]
Sent: November-22-17 2:30 PM
To: Schranz, Tracey <tracey.schranz@woodplc.com>
Subject: RE: Tank Search

Hi Tracey,

Thank you for your inquiry.

I have searched the below noted address (addresses) and I have located the following record:

170 BARTON ST E, Hamilton has record of an active self-serve private fuel outlet and 2 active liquid fuel tanks.

Effective November 1, 2017 TSSA requires that any requests for the release of public information, must complete the release for public information form. The release for public information form can be found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392. Please complete the form (1 address per form) and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Thank you,

Roxana

Roxana Mashtaler | Public Information Agent
Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-3472 | Fax: +1-416-231-6183 | E-Mail: rmashtaler@tssa.org
www.tssa.org

Employeur remarquable du Canada 2016 PARTENARIAT EN ÉDUCATION
Canada's Outstanding Employer 2016 THE LEARNING PARTNERSHIP

From: Schranz, Tracey [mailto:tracey.schranz@woodplc.com]
Sent: November 20, 2017 11:12 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Tank Search

Hello, could you please inform me of any spills, fuel storage tanks, complaints or issues with the following addresses in **Hamilton, Ontario**:

Barton Street West –

- 112
- 115-125 - Historically shown as 115- 121 Barton St W. Expropriated 72 Sheaffe.
- 128
- 162
- 164
- 166
- 168
- 170
- 172
- 174

Thank you,

Tracey Schranz, B.E.S.
Environmental Site Assessor

RECORD OF INTERVIEW – PROJECT # TB171019

Purpose of Interview (PI ESA / Due Diligence ESA)	**Phase I ESA**		
Date of Interview:	12 January 2018	**Format (phone or meeting)**	Phone
Site Address:	Barton-Tiffany Redevelopment		
Interviewee & Affiliation & Contact Number:	Mr. Tom Briatico, City of Hamilton, Project Manager, Tel 905-546-2424 x7042		
AMECFW Interviewer / Office Location:	Tracey Schranz/Hamilton		

SITE INFORMATION

1) Describe land use history. Was the property ever used for industrial use, dry cleaning, a garage or bulk liquid dispensing facility, including a gasoline outlet?

Rheem property building has been used for 120 years.

2) Are you aware of any environmental issues associated with the subject property such as waste disposal, landfilling, chemical use and / or storage (including spills), above or underground storage tanks, MOE orders, etc.? (obtain details) (Yes) No

One or two above ground storage tanks were removed from the B&M property (Zone B) (location unknown at this point). The B&M property received a massive quantity of fill from unknown sources, generally from roadwork, increasing the elevation of the entire property.

Soil used for shoring on the Rheem property (Zone C) along Tiffany St and Barton St W was imported from the construction of the McMaster health campus on Bay and Main Sts in Hamilton.

Due to contamination identified on surrounding properties, such as the former coal tar plant, and likely onsite (such as lead on the B&M property), demolitions did not extend below grade. Concrete pads were generally left in place.

3) Are you aware of any environmental building management issues such as asbestos containing materials, PCBs in electrical equipment, odour, mould, indoor air quality, UFFI, ODSs, lead-based paints, etc.? (obtain details) Yes No

Not applicable.

4) Are you aware of any site-specific permits, waste generator number(s), certificates of approval, water well records or sewer use / discharge permits? Yes (No)

5) Are you aware of any current or historical environmental concerns associated with adjacent properties? (obtain details)
(Yes) No

A coal tar plant was located south of the Phase One Property. Contaminated barrels were imported on this property.

McCoy Foundries was located south of Cannon St W.

Excavation at the property north and west was halted due to oozing black material in ground.

A contaminant plume is thought to extend from south of the Phase One Property to the harbor.

6) Are you aware of any previous environmental investigations, inspections, audits or reports (e.g., environmental assessment and remediation, tank removals, asbestos or mould surveys) for the subject property or adjacent properties? Yes No

An environmental legal firm conducted/planned up to 50-100 environmental boreholes across the Phase One Property in preparation of the Pan Am Games. Once the Pam Am program was cancelled, all work was stopped. No reports were provided to the City.

7) Is there anyone else AMECFW should contact for additional environmental information? (name, title, phone no.) Yes (No)

RECORD OF INTERVIEW – PROJECT # TB171019

Purpose of Interview (PI ESA / Due Diligence ESA)	**Phase I ESA**		
Date of Interview:	12 January 2018	**Format (phone or meeting)**	Phone
Site Address:	Barton-Tiffany Redevelopment		
Interviewee & Affiliation & Contact Number:	Mr. Galib Peermohamed, WSP Tel 416-798-0065		
AMECFW Interviewer / Office Location:	Tracey Schranz/Hamilton		

SITE INFORMATION

1) Describe land use history. Was the property ever used for industrial use, dry cleaning, a garage or bulk liquid dispensing facility, including a gasoline outlet?

Scope of work only included designated substances and building demolition to grade of Tiffany St residential properties for aesthetic purposes in 2011-12.

2) Are you aware of any environmental issues associated with the subject property such as waste disposal, landfilling, chemical use and / or storage (including spills), above or underground storage tanks, MOE orders, etc.? (obtain details) Yes (No)

Fuel oil tanks were not observed.

3) Are you aware of any environmental building management issues such as asbestos containing materials, PCBs in electrical equipment, odour, mould, indoor air quality, UFFI, ODSs, lead-based paints, etc.? (obtain details) (Yes) No

Buildings contained asbestos building materials such as exterior cladding.

4) Are you aware of any site-specific permits, waste generator number(s), certificates of approval, water well records or sewer use / discharge permits? Yes (No)

5) Are you aware of any current or historical environmental concerns associated with adjacent properties? (obtain details)
Yes (No)

6) Are you aware of any previous environmental investigations, inspections, audits or reports (e.g., environmental assessment and remediation, tank removals, asbestos or mould surveys) for the subject property or adjacent properties? Yes (No)

7) Is there anyone else AMECFW should contact for additional environmental information? (name, title, phone no.) Yes (No)

RECORD OF INTERVIEW – PROJECT # TB171019

Purpose of Interview (PI ESA / Due Diligence ESA)	**Phase I ESA**		
Date of Interview:	September 20, 2018	**Format (phone or meeting)**	Meeting
Site Address:	Barton-Tiffany Redevelopment, Hamilton, ON		
Interviewee & Affiliation & Contact Number:	Mr. Jeff Pidsadny, City of Hamilton Tel: 905-546-2424 x2556		
AMECFW Interviewer / Office Location:	Tracey Schranz, Kate Slaman/Hamilton, ON		

SITE INFORMATION

1) Describe land use history. Was the property ever used for industrial use, dry cleaning, a garage or bulk liquid dispensing facility, including a gasoline outlet?

Zone A buildings were demolished about 1.5 months ago by a developer who also used the property as a staging area. Was previously used for asphalt plant and contained two buildings. Zone B was used by B&M for metal recycling at north. Former gas station at southwest, tanks were removed in 2015. Zone C was the Rheem manufacturing facility. Zone D were residential houses and parking for Rheem at 32 Tiffany St. Zone E is currently used for storage and city works.

2) Are you aware of any environmental issues associated with the subject property such as waste disposal, landfilling, chemical use and / or storage (including spills), above or underground storage tanks, MOE orders, etc.? (obtain details) (Yes) No

Stockpiles at northern portion of Zone B was deposited by Water Department from watermain replacement.

3) Are you aware of any environmental building management issues such as asbestos containing materials, PCBs in electrical equipment, odour, mould, indoor air quality, UFFI, ODSs, lead-based paints, etc.? (obtain details) (Yes) No

Designated substances surveys were completed for demolished buildings.

4) Are you aware of any site-specific permits, waste generator number(s), certificates of approval, water well records or sewer use / discharge permits? (Yes) No

Waste generator # for 115-125 Barton St W.

5) Are you aware of any current or historical environmental concerns associated with adjacent properties? (obtain details)
(Yes) No

Industrial land use surrounding site. Central park history.

6) Are you aware of any previous environmental investigations, inspections, audits or reports (e.g., environmental assessment and remediation, tank removals, asbestos or mould surveys) for the subject property or adjacent properties? (Yes) No

Numerous reports were provided for review.

7) Is there anyone else AMECFW should contact for additional environmental information? (name, title, phone no.) (Yes) No

Rom D'Angelo (Referred to Tim Chapman and Tom Briatico) – City of Hamilton
Chuck Alkerton (Referred to Chuck Alkerton) – City of Hamilton
Tim Chapman – City of Hamilton
Vincent Germanese – First General Services
Galib Peermohamed – WSP – Tel 416-798-0065

RECORD OF INTERVIEW – PROJECT # TB171019

Purpose of Interview (PI ESA / Due Diligence ESA)	**Phase I ESA**		
Date of Interview:	15 January 2018	**Format (phone or meeting)**	Phone
Site Address:	Barton-Tiffany Redevelopment		
Interviewee & Affiliation & Contact Number:	Mr. Nick Roundis, City of Hamilton – 905-546-2424 x2414		
AMECFW Interviewer / Office Location:	Tracey Schranz/Hamilton		

SITE INFORMATION

1) Describe land use history. Was the property ever used for industrial use, dry cleaning, a garage or bulk liquid dispensing facility, including a gasoline outlet?

Property was owned by Eaton's prior to City purchase. Rumors that property has been used for pre- or post-war ammunition production, especially in areas with a wood block floor in the Central Services building.

2) Are you aware of any environmental issues associated with the subject property such as waste disposal, landfilling, chemical use and / or storage (including spills), above or underground storage tanks, MOE orders, etc.? (obtain details) Yes No

Underground storage tanks at the southwest corner of the Central Services building are still present but have been emptied and cleaned.

Metals is a widespread contaminant due to history and surrounding industries. An environmental cleanup or testing was conducted prior to installing retaining wall at east end.

3) Are you aware of any environmental building management issues such as asbestos containing materials, PCBs in electrical equipment, odour, mould, indoor air quality, UFFI, ODSs, lead-based paints, etc.? (obtain details) Yes (No)

Likely present due to building age.

4) Are you aware of any site-specific permits, waste generator number(s), certificates of approval, water well records or sewer use / discharge permits? (Yes) No

Registered generator for disposal of certain wastes such as paint and historically were registered for PCBs. PCB-containing material (e.g. light ballasts) were stored in a caged area within the northwest corner of the Carpenter's Shop.

5) Are you aware of any current or historical environmental concerns associated with adjacent properties? (obtain details)
(Yes) No

Historical heavy industrial land use surrounding property.

6) Are you aware of any previous environmental investigations, inspections, audits or reports (e.g., environmental assessment and remediation, tank removals, asbestos or mould surveys) for the subject property or adjacent properties? Yes (No)

7) Is there anyone else AMECFW should contact for additional environmental information? (name, title, phone no.) Yes (No)

RECORD OF INTERVIEW – PROJECT #TB171019

Purpose of Interview (PI ESA / Due Diligence ESA)	**Phase I ESA**		
Date of Interview:	17 January 2018	**Format (phone or meeting)**	Phone
Site Address:	Tiffany-Barton Redevelopment		
Interviewee & Affiliation & Contact Number:	Mike Sands, City of Hamilton – 905-546-2424		
AMECFW Interviewer / Office Location:	Tracey Schranz / Hamilton		

SITE INFORMATION

1) Describe land use history. Was the property ever used for industrial use, dry cleaning, a garage or bulk liquid dispensing facility, including a gasoline outlet?

Lot at the very southeast has been vacant. Sometimes need to remove domestic garbage dumped onsite (e.g. 6 months ago). Vehicle maintenance is not conducted at the property now. Workshop used for woodworking and welding, no vehicle repairs. Not aware of former vehicle pit in main garage. Main garage used for storage. Rumors that property has been used for ammunition production, especially in areas with a wood block floor in the Central Services building.

2) Are you aware of any environmental issues associated with the subject property such as waste disposal, landfilling, chemical use and / or storage (including spills), above or underground storage tanks, MOE orders, etc.? (obtain details) Yes No

A gas pump was formerly observed at the south(east) of the Central Services building but was removed around 2000. Tanks located at the southwest corner of the Central Services building are still present.

3) Are you aware of any environmental building management issues such as asbestos containing materials, PCBs in electrical equipment, odour, mould, indoor air quality, UFFI, ODSs, lead-based paints, etc.? (obtain details) (Yes) No

Property was used to store PCB-containing light ballasts however they have all been removed 2-3 years ago and the property tested.

4) Are you aware of any site-specific permits, waste generator number(s), certificates of approval, water well records or sewer use / discharge permits? (Yes) No

Former PCB waste generator.

5) Are you aware of any current or historical environmental concerns associated with adjacent properties? (obtain details)
Yes (No)

6) Are you aware of any previous environmental investigations, inspections, audits or reports (e.g., environmental assessment and remediation, tank removals, asbestos or mould surveys) for the subject property or adjacent properties? Yes (No)

7) Is there anyone else AMECFW should contact for additional environmental information? (name, title, phone no.) (Yes) No

Nick Roundis, City of Hamilton 905-971-0933

RECORD OF INTERVIEW – PROJECT

Purpose of Interview (PI ESA / Due Diligence ESA)	**Phase I ESA**		
Date of Interview:	15 January 2018	**Format (phone or meeting)**	Phone
Site Address:	Barton-Tiffany redevelopment, Hamilton, Ontario		
Interviewee & Affiliation & Contact Number:	Mr. Vincent Germanese, First General Services, 416-985-5066		
AMECFW Interviewer / Office Location:	Tracey Schranz/Hamilton		

SITE INFORMATION

1) Describe land use history. Was the property ever used for industrial use, dry cleaning, a garage or bulk liquid dispensing facility, including a gasoline outlet?

First General Services was contracted by the City to demolish the gas station, auto body shop and residential buildings along the north side of Barton St W between Hess St N and Caroline St N. The demolition took place ~10 years ago and was limited to surface work only, otherwise a remediation would have been necessary. Buildings were levelled and residential foundations were backfilled with material imported by City.

2) Are you aware of any environmental issues associated with the subject property such as waste disposal, landfilling, chemical use and / or storage (including spills), above or underground storage tanks, MOE orders, etc.? (obtain details) (Yes) No

No fuel oil tanks were identified for the residential buildings. Storage tanks associated with the gasoline station (198 Barton St W) were not removed as part of this demolition. Staining or stockpiled materials were not observed during demolition activities. The only hazardous waste removed from properties included a shed full of paint cans associated with the body shop at 198 Barton St W.

3) Are you aware of any environmental building management issues such as asbestos containing materials, PCBs in electrical equipment, odour, mould, indoor air quality, UFFI, ODSs, lead-based paints, etc.? (obtain details) Yes (No)

Building foundations and underground servicing/features remain.

4) Are you aware of any site-specific permits, waste generator number(s), certificates of approval, water well records or sewer use / discharge permits? Yes (No)

5) Are you aware of any current or historical environmental concerns associated with adjacent properties? (obtain details)
(Yes) No

White Star Auto wreckers was located to the north [239 Caroline St N].

The building at 115-125 Barton St W was used historical for munitions production and a tunnel exists from this building to 112 Barton St W. The demolition excavator partially fell through the basement into this tunnel during demolition.

6) Are you aware of any previous environmental investigations, inspections, audits or reports (e.g., environmental assessment and remediation, tank removals, asbestos or mould surveys) for the subject property or adjacent properties? (Yes) No

Designated Substances Surveys for properties to be demolished.

7) Is there anyone else AMECFW should contact for additional environmental information? (name, title, phone no.) (Yes) No

Tim Chapman and Rom D'Angelo with the City of Hamilton.

APPENDIX G

PHASE ONE PROPERTY PHOTOGRAPHS

Zone A Site Photographs

Photo 1: Looking southward across 231 Stuart St (Zone A).

Photo 2: Looking northward across 231 Stuart St.

Photo 3: Looking southeast at the southern portion of 231 Stuart at a building shell, concrete blocks and concrete slab.

Photo 4: Looking east at the south boundary of 231 Stuart St at a monitoring well, concrete slab, fill stockpiles and the building shell.

Photo 5: Looking southward along 231 Stuart St at a localized water course bisecting the property north to south.

Photo 6: Looking southward from the northwest corner of 231 Stuart St at a former rail siding.

Photo 7: An aboveground storage tank located at the west side of 231 Stuart St.

Photo 8: Concrete blocks and debris inside the building shell at the southeast corner of 231 Stuart St.

Photo 9: Large stockpile of garbage and debris at the south central portion of 231 Stuart St.

Zone B Photographs

Photo 1: Looking northwest across 239 Caroline St N at stockpiled fill across property.

Photo 2: Looking northeast across 239 Caroline St N at stockpiled fill and change in elevation at the north boundary.

Photo 3: Sewer manholes still present at northern portion of 239 Caroline St N.

Photo 4: Looking southwards to Barton St W across 239 Caroline St N at former residential properties at south of Zone B.

Photo 5: Rail ties and presumable rail siding buried under fill at northwest portion of 239 Caroline St N.

Photo 6: Rail siding in the east central portion of 239 Caroline St N.

Photo 7: Wet fill material at the northwest portion of 239 Caroline St N.

Photo 8: Wet fill material at the northwest portion of 239 Caroline St N.

Photo 9: Looking northward in the central portion of 239 Caroline St N.

Photo 10: Ponding water in the central portion of 239 Caroline St N.

Photo 11: Looking northward from the southeast corner of Zone B at former residential properties.

Photo 12: Southwest corner of Zone B in location of former gas station (198 Barton St W).

Photo 13: Underground storage tank removal in 2015 at 198 Barton St W (photos provided by Client).

Photo 14: Underground storage tank removal in 2015 at 198 Barton St W (photos provided by Client).

Photo 15: Graded ground surface following underground storage tank removal at 198 Barton St W (photos provided by Client).

Zone C Photographs

Photo 1: Looking northwest across 128 Barton St W (Zone C).

Photo 2: Looking southwards across 128 Barton St W. Note central stockpile and surficial staining on the concrete. 115-125 Barton St W visible in background.

Photo 3: Looking east across 128 Barton St W at concrete slabs and fill shoring along east boundary. Residential homes on Tiffany visible in background.

Photo 4: Looking southeast across 128 Barton St W at fill shoring along Barton St (south boundary). 115-125 Barton St W visible in background.

Photo 5: Open pit at southwest portion of 128 Barton St W.

Photo 6: More pits in the southern portion of 128 Barton St W.

Photo 7: Remaining concrete slabs at differing elevations still present at 128 Barton St W.

Photo 8: Looking southward at the former Rheem facility (2011).

Photo 9: Looking southwest from Tiffany St at the former Rheem facility (2011).

Photo 10: Looking west along Barton St W with the former Rheem facility at the right (2011).

Photo 11: Looking south along Caroline St N with the former Rheem facility on the left (2011).

Photo 12: One of the floor pits located in the former Rheem facility (2011).

Zone D Photographs

Photo 1: Looking northeast across 28-30 Tiffany St.

Photo 2: Looking southeast across Tiffany St former residential properties.

Photo 3: Looking east at a former residential Tiffany St property (10 Tiffany St).

Photo 4: Looking south at brush and trees along east side of former residential Tiffany St properties. A significant change of elevation is located at the left side of the photo.

Photo 5: Looking east at 4 Tiffany St.

Photo 6: Aboveground storage tank associated with former garage located at 2 Tiffany St, adjacent south of 4 Tiffany St and adjacent west of 112 Barton St W.

Photo 7: Residential homes on the east side of Tiffany prior to demolition (2010).

Zone E Photographs

Photo 1: Looking east along Barton St W at 115-125 Barton St W.

Photo 2: Looking west across the property at pipe and material storage at 115-125 Barton St W.

Photo 3: Looking south at the Carpenter's Shop (south building) at 115-125 Barton St W.

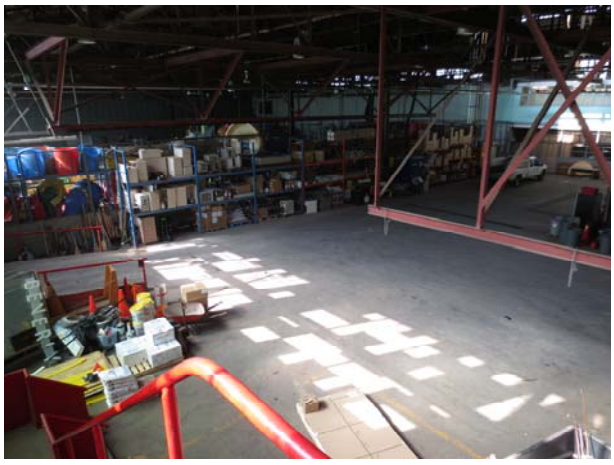

Photo 4: General view of equipment and material storage in 115-125 Barton St W (north building).

Photo 5: General view of equipment and material storage in 115-125 Barton St W (north building).

Photo 6: Lid associated with underground storage tank at the southwest corner of the Central Services building.

Surrounding Properties Photographs

Photo 1: Looking north across Stuart St at industrial properties and the rail yard from 231 Stuart St.

Photo 2: Looking north across Stuart St at the rail yard.

Photo 3: Occupied residential properties along the east side of Tiffany St.

Photo 4: Residential and small commercial buildings along Bay St N, east of the Phase One Property.

Photo 5: Looking east from 4 Tiffany St at residential and small commercial buildings along Bay St N and Barton St W.

Photo 6: Looking east at residential and small commercial buildings along Barton St W.

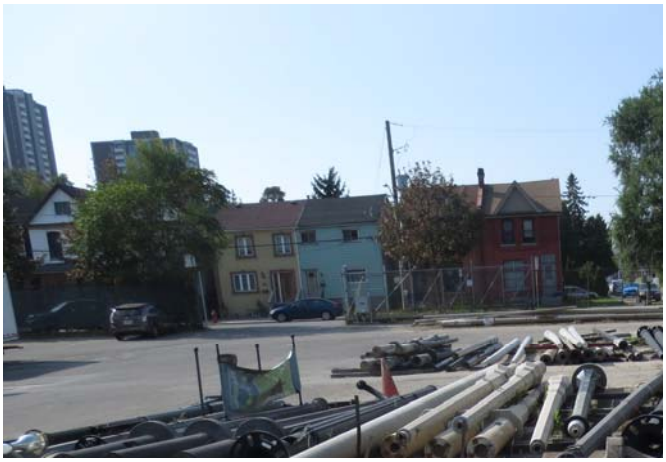

Photo 7: Looking west from 115-125 Barton St W at residential properties on Caroline St N, south of Barton St W.

Photo 8: Looking west from 231 Stuart St at vegetated vacant land.

APPENDIX H

QUALIFICATIONS OF THE ASSESSORS

Kate Slaman, Hons.B.Sc.
Environmental Scientist

Ms. Slaman is an environmental scientist with experience in the environmental consulting industry conducting Phase I and II Environmental Site Assessments for various private, legal, financial, and corporate clients. Kate holds an Honours B.Sc. in Earth and Environmental Sciences from McMaster University in Hamilton, Ontario and a Post-Graduate Certificate in Environmental Management and Assessment from Niagara College in Niagara-on-the-Lake, Ontario. She is also certified as a Geoscientist-in-Training (G.I.T.) with the Association of Professional Geoscientists of Ontario.

Tracey Schranz, B.E.S.
Environmental Site Assessor

Ms. Schranz is a senior environmental site assessor with 13 years of experience relating to the planning, coordination and conducting of investigations for potential contaminants in various media including surface and ground water, sediment and soil. She has been involved directly in and managed projects including Phase I and Phase II Environmental Site Assessments, underground storage tank removals and Designated Substances Surveys and abatements. Typical contaminants of concern involved in these projects have included petroleum products, volatile organic compounds, PCBs, metals, polycyclic aromatic hydrocarbons (PAHs) and others. She has collected soil during test pitting, drilling and stockpile sampling activities, sediment samples from shoreline and pond surface water samples; and ground water samples from monitoring wells. She has analyzed laboratory data, drafted figures and reported on methodology, findings and recommendations. Ms. Schranz has conducted assessments for a variety of land uses including government, brownfields, institutional, agricultural, manufacturing, residential, commercial and retail.

Jeff Carson, P. Eng., QP_{ESA}
Associate Environmental Engineer

Mr Carson is an Associate Environmental Engineer, a Qualified Person (“QP”) as defined by O.Reg. 153/04 under the Environmental Protection Act and RAQs approved by the Ontario Ministry of Transportation (“MTO”) for Contaminant/Waste Management work. Mr. Carson is the Branch Manager for the Hamilton operations and Group Leader for environmental services in Burlington, Hamilton and St. Catharines and has over 23 years of combined environmental engineering and environmental field experience in both the private and public sectors. Mr. Carson has conducted and overseen hundreds of Phase I, II, III environmental site assessments, sediment surveys, designated substance surveys and site remediation throughout the province of Ontario and has served clients in the following sectors: petroleum, automotive, manufacturing, land development, real-estate, finance, education, government (municipal, provincial such as MTO, MOECC, ORC, IO, Hydro One, federal such as PWGS, Hamilton Port Authority), chemical production, recycling, pharmaceutical, transportation, natural resource and major retail.

Mr Carson specializes in contaminant assessment and remediation and has worked with applicable regulations and guidelines under both Federal and Provincial standards as well as many local municipal by-laws (including but not limited to O.Reg. 153/04, O.Reg. 903, O.Reg. 347, CCME, FIGQG, PWQO) and is familiar with the nutrient regulation.

Site assessments and remediation activities have included building materials with designated substances (such as asbestos containing materials (“ACMs”), PCBs, lead-based paint and UFFI suspected materials) and soil, sediment and ground water impacted by petroleum, volatile organic compounds, PCBs, PAHs, metals, dioxins and furans. Remedial solutions have included in-situ and ex-situ bioremediation/oxidation, multi-phase pump and treat systems, barriers, encapsulation, soil vapour extraction, petroleum product removal and traditional ‘dig and dump’ methods. Mr. Carson has filed several Records of Site Condition (“RSC”) with the Ontario Ministry of Environment for former petroleum service stations, commercial properties and industrial Brownfield sites.

APPENDIX I

LIMITATIONS

LIMITATIONS

1. The work performed in the preparation of this report and the conclusions presented are subject to the following:

   (a) The Standard Terms and Conditions which form a part of our Professional Services Contract;
   (b) The Scope of Services;
   (c) Time and Budgetary limitations as described in our Contract; and,
   (d) The Limitations stated herein.

2. No other warranties or representations, either expressed or implied, are made as to the professional services provided under the terms of our Contract, or the conclusions presented.

3. The conclusions presented in this report were based, in part, on visual observations of the site and attendant structures. Our conclusions cannot and are not extended to include those portions of the site or structures which were not reasonably available, in Amec Foster Wheeler's opinion, for direct observation.

4. The environmental conditions at the site were assessed, within the limitations set out above, having due regard for applicable environmental regulations as of the date of the inspection. A review of compliance by past owners or occupants of the site with any applicable local, provincial or federal by-laws, orders-in-council, legislative enactments and regulations was not performed.

5. The site history research included obtaining information from third parties and employees or agents of the owner. No attempt has been made to verify the accuracy of any information provided, unless specifically noted in our report.

6. Where testing was performed, it was carried out in accordance with the terms of our contract providing for testing. Other substances, or different quantities of substances testing for, may be present on site and may be revealed by different of other testing not provided for in our contract.

7. Because of the limitations referred to above, different environmental conditions from those stated in our report may exist. Should such different conditions be encountered, AMEC must be notified in order that it may determine if modifications to the conclusions in the report are necessary.

8. The utilization of Amec Foster Wheeler's services during the implementation of any remedial measures will allow Amec Foster Wheeler to observe compliance with the conclusions and recommendations contained in the report. Amec Foster Wheeler's involvement will also allow for changes to be made as necessary to suit field conditions as they are encountered.

9. This report is for the sole use of the party to whom it is addressed unless expressly stated otherwise in the report or contract. Any use which any third party makes of the report, in whole or in part, or any reliance thereon, or decisions made based on any information of conclusions in the report, is the sole responsibility of such third party. Amec Foster Wheeler accepts no responsibility whatsoever for damages or loss of any nature or kind suffered by any such third party as a result of actions taken or not taken or decisions made in reliance on the report or anything set out therein.

10. This report is not to be given over to any third party for any purpose whatsoever without the written permission of Amec Foster Wheeler.

11. Provided that the report is still reliable, and less than 12 months old, Amec Foster Wheeler will issue a third-party reliance letter to parties client identifies in writing, upon payment of the then current fee for such letters. All third parties relying on Amec Foster Wheeler's report, by such reliance agree to be bound by our proposal and Amec Foster Wheeler's standard reliance letter. Amec Foster Wheeler's standard reliance letter indicates that in no event shall Amec Foster Wheeler be liable for any damages, howsoever arising, relating to third-party reliance on Amec Foster Wheeler's report. No reliance by any party is permitted without such agreement.