

ARCHAEOLOGICAL MONITORING OF THE PANAM CAULDRON PILINGS INSTALLATION

submitted to

The Forks North Portage Partnership

**Quaternary
Consultants
Limited**

July, 2000

TABLE OF CONTENTS

TABLE OF CONTENTS i
LIST OF APPENDICES i
LIST OF FIGURES i
LIST OF TABLES i
LIST OF PLATES i

1.0 **INTRODUCTION** 1
2.0 **OBSERVATIONS** 2
3.0 **ARTIFACT RECOVERIES** 3
4.0 **DISCUSSION** 4
5.0 **BIBLIOGRAPHY** 4

LIST OF APPENDICES

APPENDIX A: Heritage Permit 5

LIST OF FIGURES

1: **Map of The Forks Showing Project Area** 1

LIST OF TABLES

1: **Stratigraphic Profiles** 3

LIST OF PLATES

1: **Extracted Soil on Auger Bit** 2

1.0 INTRODUCTION

On May 30, 2000, three piling holes were augered near the Manitoba Children's Museum for the installation of support pilings for the PanAm Cauldron. These holes were located slightly north of the east end of the paved parking lot (Figure 1). Due to the high archaeological potential at this location at The Forks, it was deemed necessary to monitor the excavations. The archaeological monitoring of the excavation of the holes was conducted by Quaternary Consultants Ltd. under the terms of Heritage Permit A9-00 (Appendix A), issued by Historic Resources Branch, Manitoba Culture, Heritage and Citizenship.

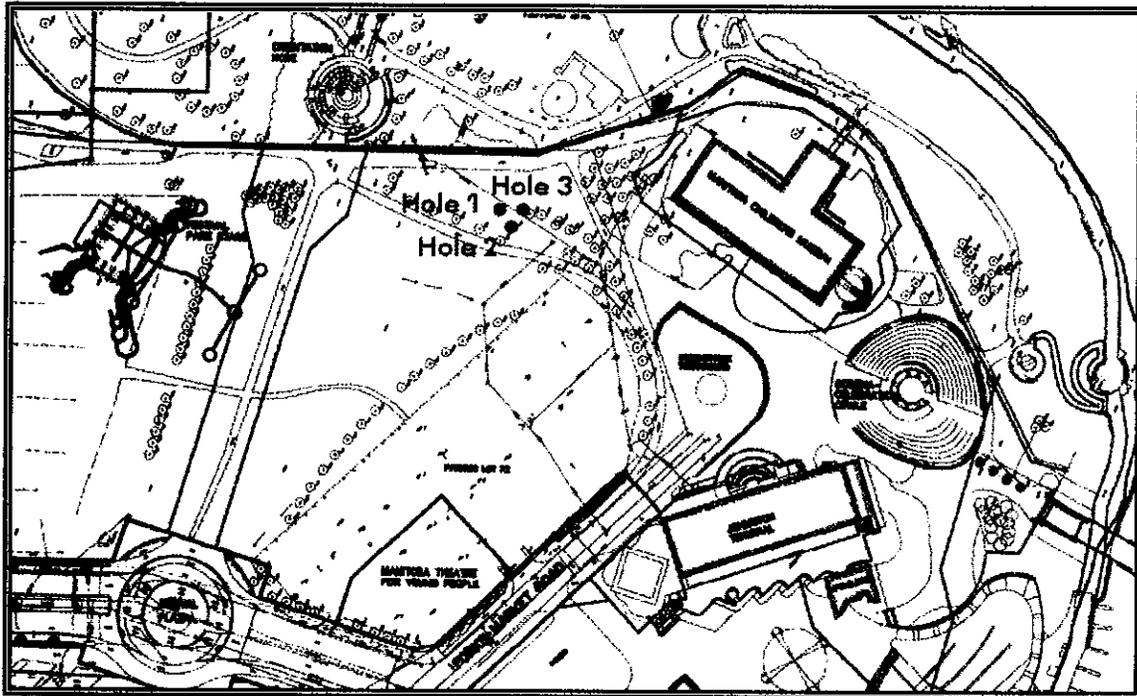


Figure 1: Map of The Forks Showing Project Area

The auger holes were thirty inches in diameter and extended to a depth of 25 feet (7.6 metres). The spacing was in a triangular pattern with the apex to the north and a distance of approximately four metres between each hole. The monitoring archaeologist, Sid Kroker, observed the extraction of soil by the truck-mounted auger (Plate 1). The auger bit is 5 feet in length and arrangements had been made with the driller that after each 5-foot drilling, the auger would be pulled up for observation before the extracted soil was spun off. The archaeologist recorded the depth of the railroad fill layer, the depth of buried soil horizons, and the presence or absence of pre-European cultural deposits.



Plate 1: Extracted Soil on Auger Bit

2.0 OBSERVATIONS

The soil profiles observed in the auger cuttings (Plate 1) were relatively standard for this portion of The Forks. The upper stratum consisted of railroad cinder deposits, generally extending to a depth of 125 cm. Below this layer, riverine sediments of silt, silty clay, and clay extended to the base of the holes. Variations in the stratigraphic profiles were observed (Table 1). The water table appeared to be quite high as the sediments became extremely wet after a depth of 5 metres.

The depth of recent, i.e., railroad era, deposits in Hole 1 is a function of the nearby location of the footing for the roundhouse which had been attached to the north end of the B&B Building, now the Manitoba Children's Museum. This roundhouse was constructed in 1889 by the Northern Pacific and Manitoba Railway as part of the Engine Repair Shop (FRC 1988:55). It was demolished in 1923. Evidence of the sub-surface brick footing was encountered during the installation of services while the building was being converted into the Children's Museum (Quaternary 1994:7).

The other two holes yielded a more standard stratigraphic column, although the number of relict horizons are considerably less than have been observed during other projects at The Forks. This may be, in part, due to the saturated soils in the lower portions of the holes which resulted in considerable smearing of the clay component of the sediments, thereby obscuring thin soil layers.

HOLE 1		HOLE 2		HOLE 3	
STRATUM	DEPTH	STRATUM	DEPTH	STRATUM	DEPTH
sand/gravel	0 - 20	cinder	0 - 75	gravel	0 - 40
tan sand	20 - 50	sand	75-120	cinder ash	40-123
cinder	50 - 65	cinder	120-145		
wood boards	65 - 67				
cinder	67-198				
brown silty clay	198-290	brown silty clay	145-155	brown silty clay	123-300
		relict horizon	155-155		
		brown silty clay	155-305		
hematite stained	290-305	sand	305-310	hematite stained	300-310
		brown silty clay	310-450		
		sand	450-460		
		brown silty clay	460-490		
		hematite stained	490-500		
grey-brown clay	305-base	grey-brown clay	500-base	grey-brown clay	310-base

Table 1: Stratigraphic Profiles

3.0 ARTIFACT RECOVERIES

Seven artifacts were recovered, all from the railroad cinder fill horizon. Two glass specimens were recovered from Hole 1. DILg-33:00A/1 is a standard thickness (3.3 mm), aqua windowpane sherd. DILg-33:00A/2 is a clear, ribbed body sherd from a soft drink bottle. The ribbing is spiral and is indicative of either Coca Cola, Pepsi Cola, or Wishing Well (Stock 1978:58) bottles.

DILg-33:00A/3 derives from Hole 2 and consists of four body, base sherds from a green soft drink bottle. The body is painted with a white and red logo that identifies the contents as 2-Way (Stock 1978:39-40). This brand was a product of Wynola Corporation Limited and was bottled in Winnipeg by the Bell Bottling Company. The Bell Bottling Company began in 1918 as Boroditsky Brothers. In 1924, the company name was changed and it continued into the 1970s. The base of this bottle is embossed with considerable data including the bottling arrangements, "BOTTLED UNDER AUTHORITY WYNOLA CORP. LTD.", the "D in a diamond" mark of the Dominion Glass Company of Canada, as well as marks which indicate that the bottle was produced at the Redcliff, Alberta plant in March/April of 1960 (Miller and Jorgensen 1986:4).

The final artifact, DILg-33:00A/4, was recovered from Hole 3. It is a body, base sherd from a stoneware crock or jug. The exterior is grey and the interior is red-brown. The diameter suggests that this sherd derives from a 1 gallon container.

4.0 DISCUSSION

No further activity is associated with this project and thus no recommendations for heritage resource management are required.

All recovered artifacts will be delivered to the Manitoba Museum of Man and Nature which is the repository designated by The Forks North Portage Partnership.

5.0 BIBLIOGRAPHY

Forks Renewal Corporation, The (FRC)

1988 *The Forks Archaeological Impact Assessment and Development Plan (The Forks Archaeological Plan)*. The Forks Renewal Corporation, Winnipeg.

Miller, George L. and Elizabeth A. Jorgensen

1986 *Some Notes on Bottle Mould Numbers from the Dominion Glass Company and its Predecessors*. Environment Canada, Parks Canada, National Historic Parks and Sites Branch.

Quaternary Consultants Ltd.

1994 *Archaeological Monitoring of Services Installations for the Manitoba Children's Museum at The Forks*. On file with The Forks Renewal Corporation, Manitoba Children's Museum, Winnipeg Hydro, and Manitoba Culture, Heritage and Citizenship, Historic Resources Branch, Winnipeg.

Stock, R.E.

1978 *A History of Carbonated Beverages in Winnipeg*. Rion Enterprises. Winnipeg.

**APPENDIX A:
HERITAGE PERMIT**



The Heritage Resources Act (Subsection 14(2) and Sections 52 and 53)

Heritage Permit No. A9-00

Pursuant to Section/Subsection 53 of *The Heritage Resources Act*:

Name: Quaternary Consultants Ltd.
Address: 130 Fort Street
Winnipeg MB R3C 1C7

ATTENTION: Mr. Sid Kroker

(hereinafter referred to as "the Permittee"),

is hereby granted permission to:

monitor the drilling of 3 pile holes (28 feet deep), located north of the Manitoba Children's Museum at The Forks in Winnipeg, to determine and record the presence/absence of soil horizons containing cultural deposits

during the period:

May 9 – June 30, 2000

This permit is issued subject to the following conditions:

- (1) That the information provided in the application for this permit dated the 4th day of May 2000, is true in substance and in fact;
- (2) That the permittee shall comply with all the provisions of *The Heritage Resources Act* and any regulations or orders thereunder; **Please note attachment re custody and ownership of heritage objects**
- (3) That the Permittee shall provide to the Minister a written report or reports with respect to the Permittee's activities pursuant to this permit, the form and content of which shall be satisfactory to the Minister and which shall be provided on the following dates: **March 31, 2001**
- (4) That this permit is not transferable;
- (5) This permit may be revoked by the Minister where, in the opinion of the Minister, there has been a breach of any of the terms or conditions herein or of any provision of *The Heritage Resources Act* or any regulations thereunder;
- (6) Special Conditions:



- a. All heritage objects are to be deposited with the Manitoba Museum by March 31, 2001, for permanent curation and storage, unless appropriate loan requirements are arranged with the Curator of Archaeology prior to that date;
- b. A complete set of archaeological field records, catalogue sheets, laboratory analysis records, photographs, reports, etc. are to be deposited with the Manitoba Museum of Man and Nature upon completion of the archaeological research, or sooner if required, and any subsequent revisions or additions to these records are to be filed as soon as possible thereafter;
- c. Appropriate arrangements and funds should be made available for the conservation of perishable heritage objects collected from these sites;
- d. In the event that any human remains are encountered during the excavations, all activity in that particular locus will cease immediately, and the Historic Resources Branch notified immediately so that appropriate action can be determined and taken;
- e. The Permittee will be on-site supervising all aspects of the field work;
- f. The Permittee shall be responsible for the conduct of the laboratory analysis of recovered heritage objects and information to be included in the permit report;
- g. The report identified in #3 above shall conform at a minimum to "The Contents and Format of a Heritage Resource Impact Assessment";
- h. Neither the Government of Manitoba nor the party issuing this permit shall be liable for any damages resulting from any activities carried out pursuant to this permit, and the Permittee specifically agrees, in consideration for receiving this permit, to indemnify and hold harmless the Minister and the Government of Manitoba, the Minister and any employees and officials of the Government, against any and all action, liens, demands, loss, liability, cost, damage and expense including, without limitation, reasonable legal fees, which the Government, Minister or any employee or official of the Government may suffer or incur by reason of any of the activities pursuant to or related to this permit.

Dated at the City of Winnipeg, in Manitoba, this 5th day of May 2000

Donna Dul

Minister of Culture, Heritage and Tourism