

Appendix F

Archaeological Information



The City Above Toronto

L6,7,8, Con 5

**CULTURAL SERVICES
DEPARTMENT OF RECREATION & CULTURE**

January 23, 2001

Frank Colella
Senior Engineering Assistant

**STAGE 1 –ARCHAEOLOGICAL ASSESSMENT
FIRST VAUGHAN INVESTMENTS LIMITED
400 & 7 INDUSTRIAL SUBDIVISION PHASE 2
19T-99V09 –LANDS ADJACENT TO THE SOUTH SIDE OF THE SUBDIVISION**

Thank you for forwarding to this Office the archaeological assessment on the above-referenced lands. As outlined in the recommendations section of the report, the consultant archaeologist recommends a Stage 2 assessment of the subject lands. This Office supports this Stage 2 assessment requirement.

Should you have any further questions, please call me at ext. 3128.

Angela Palermo
Cultural Services

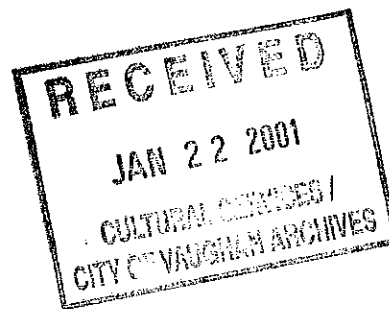
memorandum

January 18, 2001

To: Angela Palemo
Heritage/Culture

From: Frank W. Colella
Senior Engineering Assistant

RE: First Vaughan Investments Limited
400 & 7 Industrial Subdivision Phase 2
19t-99v09



> Stage 2 Outstanding

We are in the process of beginning a draft subdivision agreement for the above noted lands. Enclosed is an Archaeological Assessment for your review and approval.

I trust the information is satisfactory.

Yours truly,

A handwritten signature in cursive script, appearing to read "F. W. Colella".

Frank W. Colella
Senior Engineering Assistant

FWC

Encl.

Stage 1 Archaeological Assessment

**First Vaughan Investments Ltd.
400 & 7 Industrial Subdivision Phase 2 (19T-99009V)
and Additional Lands Owned by the Applicant
Adjacent to the South Side of the Subdivision**

**Part Lots 6, 7, and 8, Concession 5
City of Vaughan, Regional Municipality of York
Ontario**



**ARCHAEOLOGICAL
SERVICES
INC.**

528 BATHURST STREET, TORONTO, ONTARIO M5S 2P9 TEL: (416) 966-1069 FAX: (416) 966-9723

Stage 1 Archaeological Assessment

**First Vaughan Investments Ltd.
400 & 7 Industrial Subdivision Phase 2 (19T-99009V)
and Additional Lands Owned by the Applicant
Adjacent to the South Side of the Subdivision**

**Part Lots 6, 7, and 8, Concession 5
City of Vaughan, Regional Municipality of York
Ontario**

Submitted to:
Cosburn Patterson Mather Limited
7270 Woodbine Avenue, Suite 300
Markham, Ontario
L3R 4B9
Tel. 905-474-0455
Fax 905-474-9889

Prepared by:
ARCHAEOLOGICAL SERVICES INC.
528 Bathurst Street
Toronto, Ontario
M5S 2P9
Tel. (416) 966-1069
Fax (416) 966-9723
Email: archaeology@sympatico.ca
Website: www.archaeologicalservices.on.ca
License #2000-116
MCzCR Contract Information Form (CIF) # 2000-116-045
ASI File #00CP-01

January 2001

PROJECT PERSONNEL

Project Director:

Mr. Martin Cooper

Report Preparation:

Mr. Michael Tetreau

Stage 1 Archaeological Assessment

First Vaughan Investments Ltd.
400 & 7 Industrial Subdivision Phase 2 (19T-99009V)
and Additional Lands Owned by the Applicant
Adjacent to the South Side of the Subdivision

Part Lots 6, 7, and 8, Concession 5
City of Vaughan, Regional Municipality of York
Ontario

1.0 INTRODUCTION

Archaeological Services Inc. was contracted by Cosburn Patterson Mather Limited of Markham, Ontario, to conduct a Stage 1 and 2 archaeological assessment of part of Lots 6, 7, and 8, Concession 5, in the City of Vaughan, Regional Municipality of York, Ontario (Figure 1). The study area comprises approximately 30 hectares (approximately 74 acres) bordered on the west by Highway 400, north of Highway 7 and west of Edgeley Boulevard.

The Stage 1 assessment was conducted under the project direction of Mr. Martin Cooper under consulting license 2000-116 issued to Archaeological Services Inc. Stage 2 assessment, as recommended in this report, will be undertaken in the Spring of 2001.

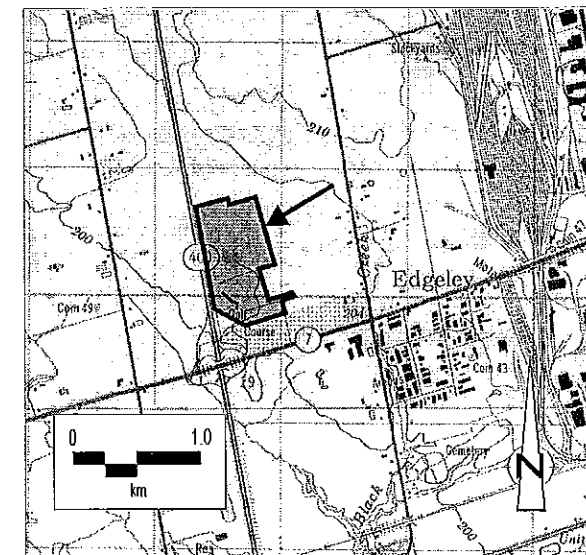


Figure 1: The study area on 1:50,000 NTS mapping. NTS MAP 30/M13 EDITION 6, 1985.

2.0 BACKGROUND RESEARCH

Background research was completed to identify any archaeological sites in the study area and to assess the area's archaeological potential.

2.1 Previous Archaeological Research

In order that an inventory of archaeological resources could be compiled for the study area, three sources of information were consulted: the site record forms for registered sites housed at the Ministry of Citizenship, Culture and Recreation; published and unpublished documentary sources; and the files of Archaeological Services Inc.

In Ontario, information concerning archaeological sites is stored in the Ontario Archaeological Sites Database (O.A.S.D.), a database maintained by the Ministry of Citizenship, Culture and Recreation. This database contains archaeological sites registered within the Borden system. The Borden system was first proposed by Dr. Charles E. Borden, and is based on a block of latitude and longitude. A Borden block is approximately 13 kilometres east-west by 18.5 kilometres north-south. Sites within each block are numbered sequentially as they are found. The study area under review is located within Borden Block AkGv.

While no archaeological sites have been registered within the study area, seven sites have been documented within approximately 2.5 kilometres of the study area limits. These sites are summarized in Table 1, below.

TABLE 1: Registered Archaeological Sites Within 2.5 kilometre of the Study Area

Borden Number	Site Name	Cultural/Temporal Affiliation	Site Type	Researcher(s)
AkGv-104	Burkholder House	Undetermined Precontact / Historic Euro-Canadian	Undetermined / Homestead	Ministry of Transportation, Environmental Unit 1990
AkGv-105	no name	Undetermined Precontact	Isolated Find	Ministry of Transportation, Environmental Unit 1991
AkGv-106	Goosé	Undetermined Precontact	Isolated Find	Ministry of Transportation, Environmental Unit 1991
AkGv-107	Bingo	Undetermined Precontact	Campsite	Ministry of Transportation, Environmental Unit 1991
AkGv-108	no name	Early Archaic	Isolated Find	Ministry of Transportation, Environmental Unit 1991
AkGv-109	Left Shoe	Undetermined Precontact	Isolated Find	Ministry of Transportation, Environmental Unit 1991
AkGv-110	Right Shoe	Undetermined Precontact	Campsite	Ministry of Transportation, Environmental Unit 1991

2.2 Historical Land Use Summary

The 1878 *Illustrated Historical Atlas of the County of York, Ontario* was reviewed to determine the potential for finding historical archaeological remains within the study area (Figure 2).

The 1878 *Atlas* indicates the following landowners for the portions of Lots 6, 7, and 8 that are situated within the study area:

- ▶ James Brown - Lot 6, Concession 5, Township of Vaughan
- ▶ James Lowry - West Half of Lot 7, Concession 5, Township of Vaughan
- ▶ Andrew Mitchell's Estate - East Half of Lot 7, Concession 5, Township of Vaughan and Eastern Three Quarters of Lot 8, Concession 5, Township of Vaughan

One dwelling is depicted within the study area limits, on the portion of Lot 7 owned by James Lowry. A private road is depicted running east-to-west from the western side of the dwelling, and an orchard is shown adjacent to the north side of the dwelling. No other features are indicated within the study area limits.

It must be noted that not all features of interest today would have been considered within the scope of the *Atlas* at the time of publication. However, the *Atlas* is considered one source for the assessment of archaeological potential. It can therefore be concluded that the study area has potential for the identification of historic archaeological remains.

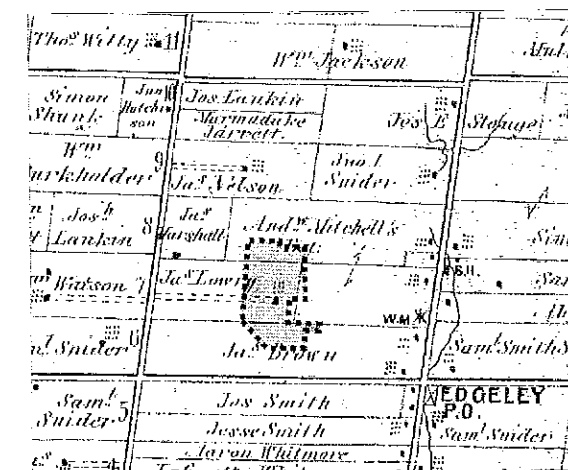


Figure 2: The study area in 1878. As depicted in the 1878 *Illustrated Historical Atlas of the County of York, Ontario*.

2.3 Physiography

The study area is located within the Peel Plain physiographic region of Southern Ontario (Chapman and Putnam 1984: 174-176). The Peel Plain physiographic region covers a large area across the central portions of the Regional Municipalities of Peel, York, and Halton. The surface of the plain is characterized by level to gently rolling topography, with a consistent, gradual slope toward Lake Ontario. The plain is made up of deep deposits of dense, limestone and shale imbued till, often covered by a shallow layer of clay sediment. The heavy soils of the plain once supported rich hardwood forests.

While the clay soils of the plain may be imperfectly drained in inter-stream areas, the region is without large swamps or bogs. Several major rivers and numerous smaller streams cut across the plain, draining southward into Lake Ontario. The original channel of Black Creek was located approximately 900 metres east of the subject property. A minor tributary of Black Creek flows southward through the southern half of the study area.

In terms of archaeological potential, potable water is arguably the single most important resource necessary for any extended human occupation or settlement. Since water sources have remained relatively stable in southern Ontario after the Pleistocene era, proximity to water can be regarded as a useful index for the evaluation of archaeological site potential. Indeed, distance from water has been one of the most commonly used variables for predictive modelling of site location.

The Ministry of Citizenship, Culture and Recreation Primer on Archaeology, Land Use Planning and Development in Ontario (1997:12-13) stipulates that undisturbed lands within 300 metres of a primary water source, and undisturbed lands within 200 metres of a secondary water source, are considered to be of high archaeological potential. Therefore, based on the presence of a minor tributary of Black Creek within the study area limits, it is concluded that the study area has archaeological potential.

3.0 SUMMARY AND CONCLUSIONS

The Stage 1 archaeological assessment of Part Lots 6, 7, and 8, Concession 5, City of Vaughan, Regional Municipality of York, Ontario has determined that no archaeological sites have been registered within the study area limits. However, based on the presence of a minor tributary of Black Creek within the study area limits, the historic land use of the study area, and the presence of several archaeological sites in close proximity to the study area, it is concluded that the study area exhibits archaeological potential.

Therefore, it is recommended that, prior to any construction activities within the study area limits, the study area should be subject to Stage 2 archaeological assessment in accordance with the Ministry of Citizenship, Culture and Recreation Archaeological Assessment Technical Guidelines.

4.0 REFERENCES CITED

Chapman, L.J. and F. Putnam

1984 *The Physiography of Southern Ontario, Ontario Geological Survey Special Volume 2*, Toronto: Government of Ontario, Ministry of Natural Resources.

Illustrated Historical Atlas of the County of York, Ontario

1878 Reprinted 1972, Mika Silk Screening Limited: Belleville, Ontario..

Ministry of Citizenship, Culture and Recreation

1997 *Conserving A Future For Our Past: Archaeology, Land Use Planning & Development in Ontario*. Cultural Programs Branch, Archaeology & Heritage Planning Unit. Toronto.



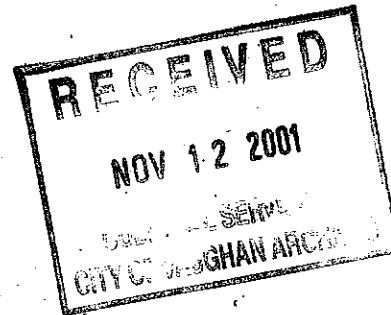
**ARCHAEOLOGICAL
SERVICES
INC.**

528 BATHURST STREET
TORONTO, ONTARIO M5S 2P9

Phone (416) 966-1069
Fax (416) 966-9723

November 2, 2001

Angela Palermo
Cultural Services, City of Vaughan
2141 Major MacKenzie Drive
Vaughan, Ontario L6A 1T1



Dear Mrs. Palermo:

RE: Stage 1 and 2 Archaeological Assessment of the First Vaughan Investments Ltd. 400 & 7 Industrial Subdivision Phase 2 (19T-99009V) and Additional Lands Owned by the Applicant Adjacent to the South Side of the Subdivision Part of Lots 6, 7 and 8, Concession 5, City of Vaughan, Regional Municipality of York, Ontario

[ASI File #00CP-01]

Please find enclosed the report for the above work. Cosburn Patterson Mather Limited representing First Vaughan Investments Ltd. requested that we send you a copy of the report for the above property. Copies of the report have been forwarded to the relevant Ministry representatives and Cosburn Patterson Mather Limited.

Should you have any questions or comments, please do not hesitate to contact me at the address or telephone number indicated above.

Sincerely,

ARCHAEOLOGICAL SERVICES INC.

per T. Hall

Martin S. Cooper, MA
Senior Archaeologist

MSC/th
Encl.

**Stage 1 and 2 Archaeological Assessment
First Vaughan Investments Ltd. 400 & 7 Industrial
Subdivision Phase 2 (19T-99009V) and Additional
Lands Owned by the Applicant Adjacent to the South Side
of the Subdivision Part Lots 6, 7, and 8, Concession 5, City
Vaughan, Regional Municipality of York, Ontario**



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Submitted to:
Cosburn Patterson Mather Limited
7270 Woodbine Avenue, Suite 300
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Website: www.archaeologicalservices.on.ca

MTCR License # 2000-116
CIF# 2000-116-045
ASI File #00CP-01

October 2001

PROJECT PERSONNEL

Project Director:	Mr. Martin Cooper
Project Archaeologist:	Mr. Keith Powers
Field Archaeologists:	Mr Denis Caza
Report Preparation:	Mr. TJ Hall Mr. Michael Tetreau

**Stage 1 and 2 Archaeological Assessment
First Vaughan Investments Ltd. 400 & 7 Industrial
Subdivision Phase 2 (19T-99009V) and Additional
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of the Subdivision Part Lots 6, 7, and 8, Concession 5, City of
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1 INTRODUCTION

Archaeological Services Inc. was contracted by Cosburn Patterson Mather Limited to conduct a Stage 1 and 2 archaeological assessment of part of Lots 6, 7, and 8, Concession 5, in the City of Vaughan, Regional Municipality of York, Ontario (Figure 1). The study area comprises approximately 74 acres bordered on the west by Highway 400, north of Highway 7 and west of Edgeley Boulevard.

The survey was conducted under the project direction of Mr. Martin Cooper and the field direction of Mr. Keith Powers. Fieldwork was performed in accordance with the Ontario Heritage Act (1990) under an archaeological consulting license (2000-116) issued to Martin Cooper of Archaeological Services Inc.

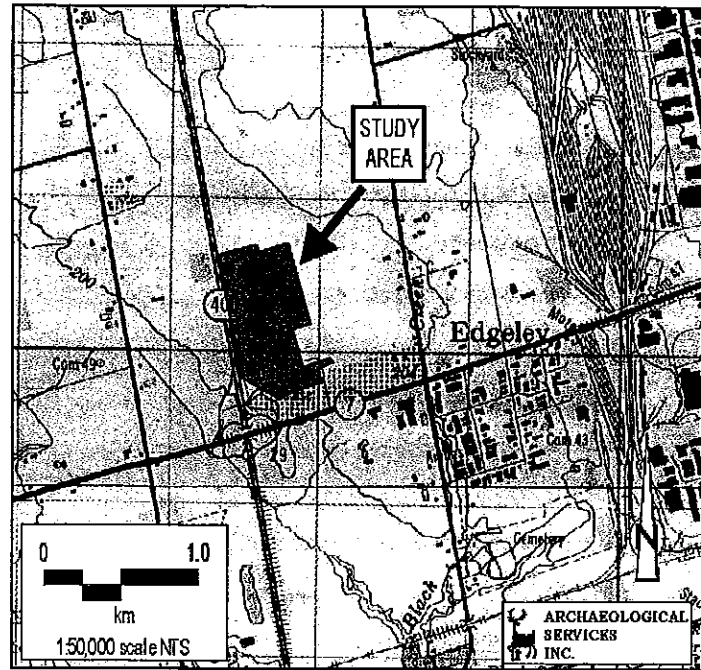


Figure 1: The location of the subject property

NTS 30 M/13

2 BACKGROUND RESEARCH

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Figure 2: Historic map showing the location of the subject property

One dwelling is depicted within the study area limits, on the portion of Lot 7 owned by James Lowry. A private road is depicted running east-to-west from the western side of the dwelling, and an orchard is shown adjacent to the north side of the dwelling. No other features are indicated within the study area limits.

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3 STAGE 2 FIELD ARCHAEOLOGICAL ASSESSMENT

Archaeological fieldwork was undertaken in May 2001, in order to inventory, identify and describe any archaeological resources extant on the property prior to development. Prior to the field assessment the property was ploughed and allowed to weather. The weather was sunny and warm with cloudy breaks.

Approximately 70 percent of the subject property was assessed by pedestrian survey at five metre intervals to facilitate the recovery of archaeological material. One precontact site, P1, was encountered in the northwestern portion of the study area (Figure 3). The Al White site is about 30 square metres in size and has been assigned the Borden registration number AkGv-181. The site was comprised of a surface scatter of approximately 11 lithic artifacts. The location of each item was flagged and left for future site identification. The surface scatter contained only non-diagnostic Onondaga chert flakes, showing no distinct cultural or temporal affiliation. However, due to the significant number of artifacts and their close proximity to one another, Stage 3 archaeological assessment is recommended.

Approximately ten percent of the subject property, in the northeastern corner, consists of a large stockpile of excavated soil (Figure 3). This area is disturbed and was not tested.

An additional ten percent, located in the lower-eastern portion of the subject property was low and wet and subsequently, not tested (Figure 3).

The remaining 10 percent of the subject property, consisting of a farm orchard, was strategically test pitted to determine the degree of disturbance (Figure 3). Approximately 30 test pits were excavated to sub-soil. The material was screened through six-millimetre mesh to facilitate the recovery of small artifacts and all test pits were back filled. The strategic test pitting proved that this section had been previously disturbed by grading (Plates 1 through 3). As such, this section may be considered free of archaeological concern.

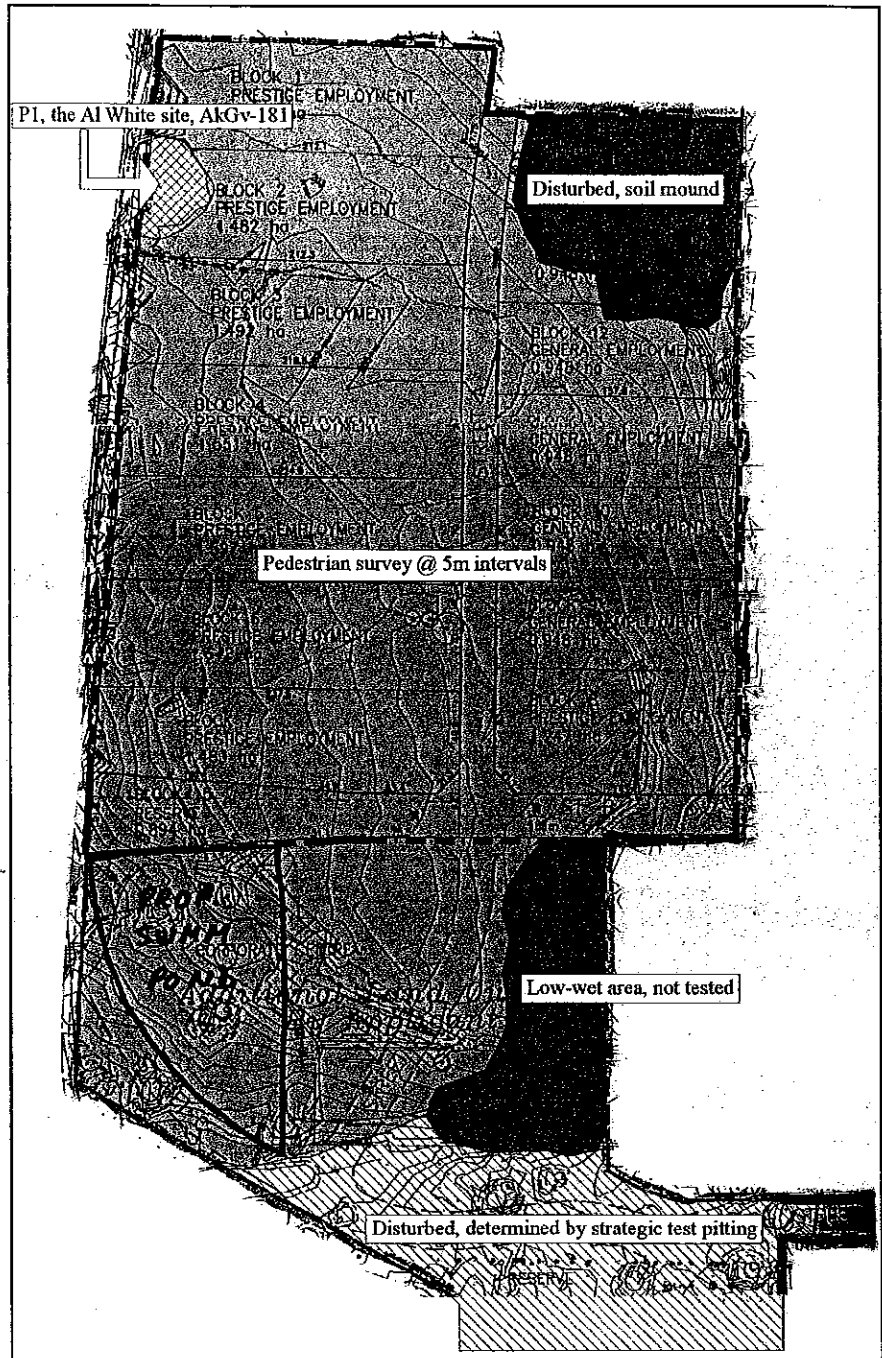


Figure 3: The Stage 2 field assessment of the subject property

SUMMARY AND CONCLUSIONS

The Stage 1 and 2 archaeological assessment of Part Lots 6, 7, and 8, Concession 5, City of Vaughan, Regional Municipality of York, Ontario has resulted in the identification of the Al White site, AkGv-181.

In light of these results, we recommend:

1. Given that the Al White site, AkGv-181, corresponds to a significant occupation of the land by precontact aboriginal people, further archaeological investigation could provide additional information about the nature and extent of the site;

Consequently, if the Al White site cannot be protected from disturbance, it should be subjected to a Stage 3 investigation. Such an investigation should commence with a controlled surface collection to determine the precise extent of the site. The location of each artifact should be mapped with the aid of a tape measure and transit. This should be followed by a series of one-metre square test units within the site area to determine the nature and extent of cultural deposits in the plough zone. The distribution and location of surface artifacts recorded from the controlled surface collection should determine the location of these units. The test units should be excavated to sterile subsoil and the soil fills screened through six-millimetre wire mesh in order to facilitate artifact recovery. The subsoil should be trowelled, and all profiles should be examined for undisturbed cultural deposits;

2. The balance of the property should be considered free from further archaeological concern;
3. Should deeply buried archaeological remains be found on the property during construction activities, the Heritage Operations Unit of the Ministry of Tourism, Culture and Recreation (MTCR) should be notified immediately;
4. In the event that human remains are encountered during construction, the proponent should immediately contact both MTCR, and the Registrar or Deputy Registrar of the Cemeteries Regulation Unit, of the Ministry of Consumer and Commercial Relations, (416) 326-8392.

The documentation related to the archaeological assessment of the subject property shall be curated by Archaeological Services Inc. until such a time that arrangements for their ultimate transfer to Her Majesty the Queen in right of Ontario, or other public institution, can be made to the satisfaction of the landowner, the Ministry of Tourism, Culture and Recreation, and any other legitimate interest groups.

REFERENCES CITED

Chapman, L.J. and F. Putnam

1984 *The Physiography of Southern Ontario, Ontario Geological Survey Special Volume 2*,
Toronto: Government of Ontario, Ministry of Natural Resources.

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Ministry of Citizenship, Culture and Recreation

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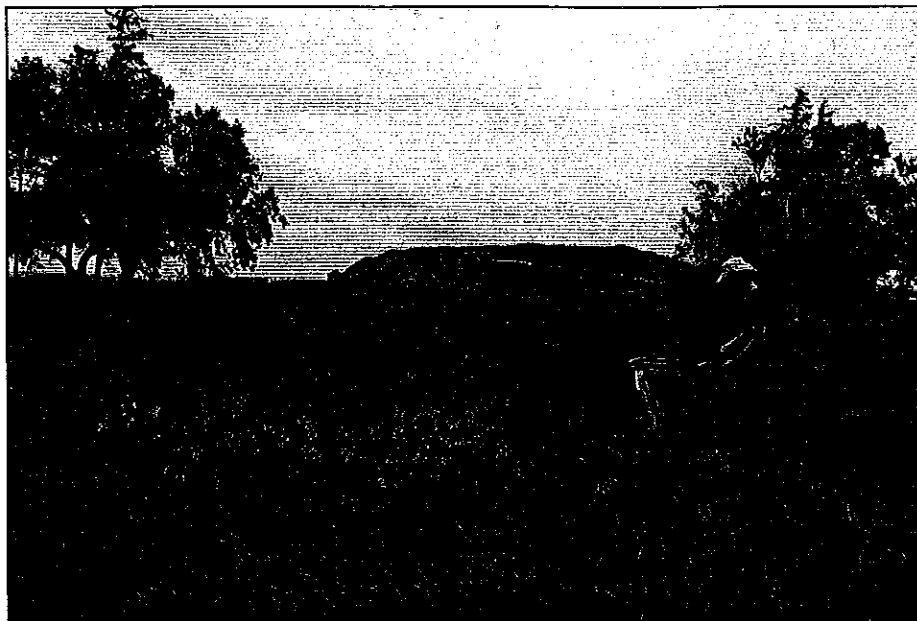


Plate 1: Test pitting the subject property; note the soil stockpile in the background



Plate 2: Evidence of previous use on the subject property



Plate 3: Testing the subject property

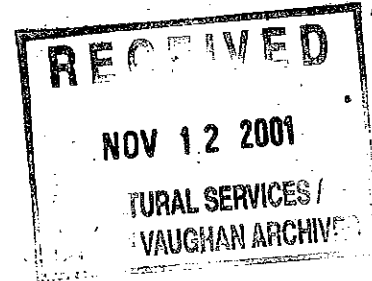


**ARCHAEOLOGICAL
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INC.**

528 BATHURST STREET
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Phone (416) 966-1069
Fax (416) 966-9723

November 2, 2001



Angela Palermo
Cultural Services, City of Vaughan
2141 Major MacKenzie Drive
Vaughan, Ontario L6A 1T1

Dear Mrs. Palermo:

Re: **Stage 3 Archaeological Assessment of the Al White site, AkGv-181, First Vaughan Investments Ltd., 400 and 7 Industrial Subdivision Phase 2 (19T-99009V) on Part of Lots 6,7 and 8, Concession 5, City of Vaughan, Regional Municipality of York, Ontario**

[ASI File #00CP-01]

Please find enclosed the report for the above work. Cosburn Patterson Mather Limited representing First Vaughan Investments Ltd. requested that we send you a copy of the report for the above property. Copies of the report have been forwarded to the relevant Ministry representatives and Cosburn Patterson Mather Limited.

Should you have any questions or comments, please do not hesitate to contact me at the address or telephone number indicated above.

Sincerely,

ARCHAEOLOGICAL SERVICES INC.

per R Hall
Martin S. Cooper, MA
Senior Archaeologist

MSC/th
Encl.

**Stage 3 Archaeological Assessment of the Al White site,
AkGv-181, First Vaughan Investments Ltd., 400 and 7
Industrial Subdivision Phase 2 (19T-99009V) on Part
of Lots 6,7 and 8, Concession 5, City of Vaughan,
Regional Municipality of York, Ontario**



**ARCHAEOLOGICAL
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**Stage 3 Archaeological Assessment of the Al White site,
AkGv-181, First Vaughan Investments Ltd., 400 and 7
Industrial Subdivision Phase 2 (19T-99009V) on Part
of Lots 6,7 and 8, Concession 5, City of Vaughan,
Regional Municipality of York, Ontario**

Submitted to:
Cosburn Patterson Mather Limited
7320 Woodbine Avenue, Suite 300
Markham, Ontario L3R 4B9
Tel: (905) 474-0455
Fax: (905) 474-9889

Prepared by:
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Fax: (416) 966-9723
Email: archaeology@sympatico.ca
Website: www.archaeologicalservices.on.ca

License# 2001-020
MTCR CIF# 2001-020- 081
ASI File# 01CP-03

October 2001

PROJECT PERSONNEL

Project Director:	Mr. Martin Cooper
Project Archaeologist:	Dr. Bruce Welsh
Field Archaeologist:	Ms. Annie Veilleux Mr. Denis Caza Mr. Rob Wojtowicz
Report Preparation:	Mr. TJ Hall

**Stage 3 Archaeological Assessment of the Al White site,
AkGv-181, First Vaughan Investments Ltd., 400 and 7 Industrial
Subdivision Phase 2 (19T-99009V) on Part of Lots 6,7 and 8,
Concession 5, City of Vaughan, Regional Municipality of York, Ontario**

1.0 Introduction

Archaeological Services Inc. was contracted by *Cosburn Patterson Mather* to conduct a Stage 3 archaeological assessment of the Al White site, AkGv-181, at the 400 and 7 Industrial Subdivision Phase 2 (19T-99009V), Part of Lots 6, 7 and 8, Concession 5. The Al White site lies in the north eastern portion of the subject property abutting Highway 400 (Figure 1). The subject property consists of approximately 50 acres.

ASI performed Stage 1 and 2 archaeological assessments in January and June of 2001 (MTCR CIF # 2000-116-045, ASI file # 00CP-01). The Al White site was encountered during the Stage 2 assessment that consisted of a pedestrian survey at five metre intervals in the northern portion of the subject property. The nature and size of the site, consisting of 11 lithic flakes spread over approximately 55 metres square, warranted further archaeological investigation to acquire additional information, subsequently, a Stage 3 archaeological assessment was recommended (ASI 2001).

2.0 Stage 3 Archaeological Assessment

Upon commencing with the Stage 3 assessment the surface scatter encountered during the Stage 2 assessment was relocated. A controlled surface collection was performed to collect any archaeological material lying on the surface. After this was completed the area was evaluated for the placement of test excavation units. The number of units opened and their placement was dictated by a strategy to sufficiently sample artifact densities, establish the nature of the archaeological deposits and to determine site limits, if possible. Fieldwork complied with the MTCR technical guidelines for Stage 3 archaeological assessments (MCzCR 1993).

2.1 The Al White site, AkGv-181

The Stage 3 assessment took place from August 14 to 17, 2001 under the project direction of Mr. Martin Cooper and the field direction of Dr. Bruce Welsh. The Al White site is located in the northeastern corner of the subject property on very gently rolling terrain. The weather was warm and sunny for the duration of the project.

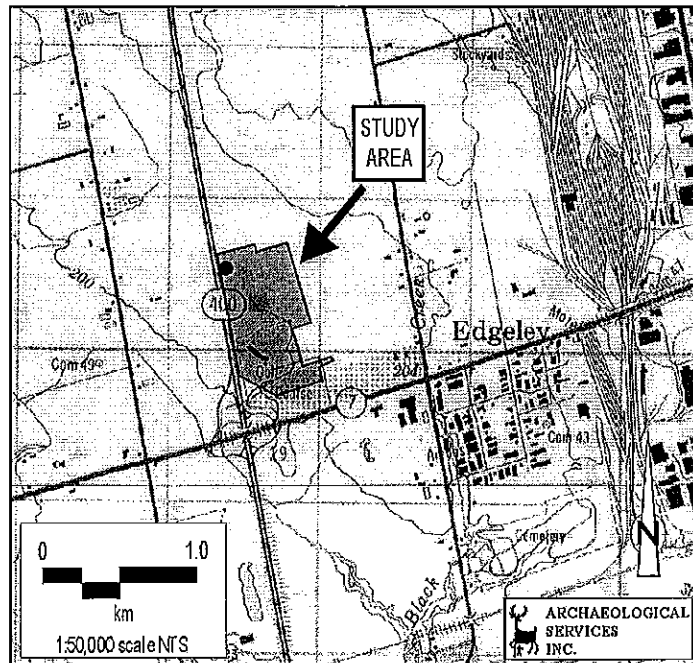


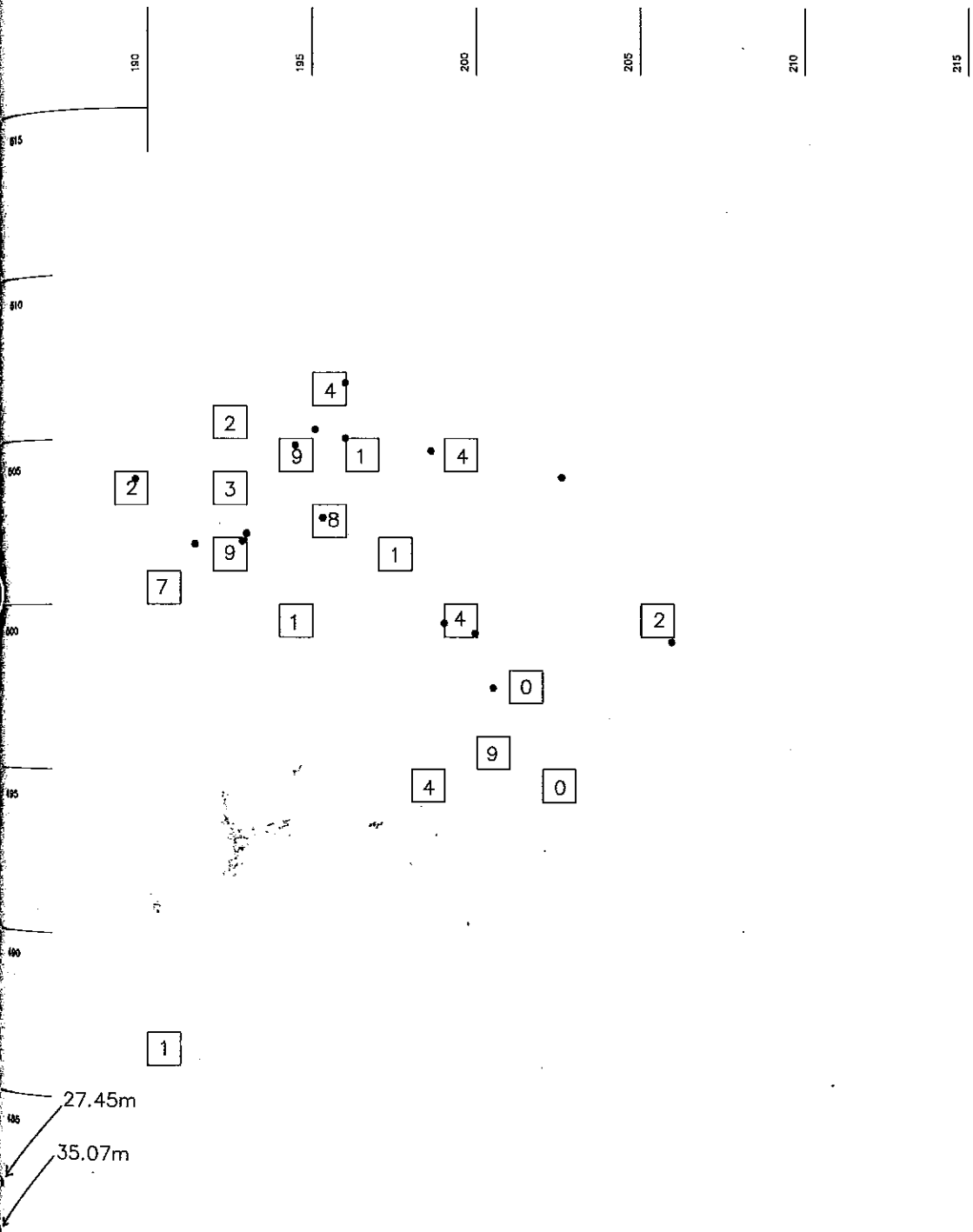
Figure 1: The location of the subject property

NTS 30 M/13

Prior to the Stage 2 assessment and the ensuing Stage 3 assessment, the area was ploughed and weathered to facilitate the recovery of artifacts located within the plow zone. The controlled surface collection provided a total of 18 artifacts consisting of lithic flakes and one biface/point fragment, all made from Onondaga chert (Appendix A). The areas chosen for test excavation units, based on the location of the artifacts recovered during the controlled surface collection, encompasses approximately 55 metres square (Figure 2). Each unit was excavated to sterile soil that ranged in depth between 20 and 25 centimetres and consisted of a clay-loam soil. This material was screened through six-millimetre mesh to facilitate the recovery of artifacts. Each test unit was backfilled.

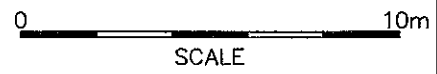
A total of 22 units were excavated, with artifact counts ranging from zero to nine (Figure 3 and Appendix A). The artifacts, predominantly lithic flakes, are made of Onondaga chert and total 90 (including those from the controlled surface collection and the test excavation units). Of the total, one represents a biface or point tip recovered during the controlled surface collection (Figure 3, Plate 1 and Appendix A). This artifact does not represent any specific cultural or temporal affiliation. Further, no formal or informal tools were recovered from the test excavation units.

While the assemblage certainly represents some form of short term occupation, there is no evidence supporting the presence of additional material that will offer information on the culture and the time of occupation. The test excavation units did not provide evidence beyond that encountered during the controlled surface collection. Consequently, no further archaeological work is warranted or recommended at the Al White site.



Archaeological Services Inc. 

• SURFACE FIND -- FLAKE
 [9] TEST UNIT AND # OF LITHICS



DATE: OCTOBER 2, 2001

DRAWN BY: T.J.H.
 FILE: 01CP-03B

FIGURE 2: TEST EXCAVATION UNITS AND LOCATION OF SURFACE FINDS AT THE AL WHITE SITE, AkGv-181

3.0 Summary and Conclusions

The Stage 3 archaeological assessment of the Al White site, AkGv-181, First Vaughan Investments Ltd., 400 and 7 Industrial Subdivision Phase 2 (19T-99009V) on Part of Lots 6,7 and 8, Concession 5, City of Vaughan, Regional Municipality of York, revealed 90 lithic artifacts including one biface or point tip. The biface or point tip was recovered during the controlled surface collection and no other formal or informal artifacts were recovered during the Stage 3 assessment. The nature of this site is limited to a number of lithic artifacts that may represent a limited occupation of the site.

In light of these findings, it is recommended that:

1. The Al White site, AkGv-181, does not contain further information that will help to determine the cultural or temporal affiliation and subsequently can be considered free from further archaeological concern;
2. Should deeply buried archaeological remains be found on the property during construction activities, the Heritage Operations Unit of the Ministry of Tourism, Culture and Recreation (MTCR) should be notified immediately;
3. In the event that human remains are encountered during construction, the proponent should immediately contact both MTCR, and the Registrar or Deputy Registrar of the Cemeteries Regulation Unit of the Ministry of Consumer and Commercial Relations, (416) 326-8392.

The documentation related to the archaeological assessment of the subject property shall be curated by Archaeological Services Inc. until such a time that arrangements for their ultimate transfer to Her Majesty the Queen in right of Ontario, or other public institution, can be made to the satisfaction of the landowner, the Ministry of Tourism, Culture and Recreation, and any other legitimate interest groups.

4.0 REFERENCES CITED

Archaeological Services Inc.

- 2001 *Stage 1-2 Archaeological Assessment of Hwy. 140 Industrial Subdivision, City of Welland, Regional Municipality of Niagara*. Report prepared for the Ministry of Tourism, Culture and Recreation, MTCR CIF# 2000-116-028, ASI File# 00CI-01.

Ministry of Citizenship, Culture and Recreation

- 1993 *Cultural Heritage Resource Conservation in the Ontario Land Use Planning Process: Archaeological Assessment Technical Guidelines (Stages 1-3 & Reporting Format)*. Archaeology & Heritage Planning Unit, Cultural Programs Branch, Ontario Ministry of Culture, Tourism & Recreation, Toronto.

Ministry of Tourism, Culture and Recreation

- 1997 *Conserving a Future for Our Past: Archaeology, Land Use Planning & Development in Ontario*. Cultural Programs Branch, Archaeology & Heritage Planning Unit, Toronto

APPENDIX A – AL WHITE SITE, AkGv-181, STAGE 3 ARTIFACTS

Al White site, AkGv-181				
Cat. #	Qty	Classification	Description	l=length, w=width, th=thickness (mm)
Unit 480-184 – all material Onondaga chert			Total = 1	
0.0001	1	Lithic	Shatter	
Unit 486-185 – all material Onondaga chert			Total = 1	
0.0002	1	Lithic	Secondary thinning flake	
Unit 494-198 – all material Onondaga chert			Total = 4	
0.0003	2	Lithic	Secondary knapping flake	
0.0004	1	Lithic	Secondary retouch flake	
0.0005	1	Lithic	Shatter	
Unit 495-200 – all material Onondaga chert			Total = 9	
0.0006	4	Lithic	Secondary knapping flake	
0.0007	1	Lithic	Secondary retouch flake	
0.0008	4	Lithic	Shatter	
Unit 499-194 – all material Onondaga chert			Total = 1	
0.0009	1	Lithic	Secondary knapping flake	
Unit 499-199 – all material Onondaga chert			Total = 4	
0.0010	3	Lithic	Secondary knapping flake	
0.0011	1	Lithic	Shatter	
Unit 499-205 – all material Onondaga chert			Total = 2	
0.0012	2	Lithic	Secondary knapping	
Unit 500-190 – all material Onondaga chert			Total = 7	
0.0013	1	Lithic	Primary thinning flake	
0.0014	5	Lithic	Secondary knapping flake	
0.0015	1	Lithic	Secondary retouch flake	
Unit 501-192 – all material Onondaga chert			Total = 9	
0.0016	7	Lithic	Secondary knapping flake	
0.0017	2	Lithic	Shatter	
Unit 501-197 – all material Onondaga chert			Total = 1	
0.0018	1	Lithic	Secondary knapping	
Unit 502-195 – all material Onondaga chert			Total = 8	
0.0019	3	Lithic	Secondary knapping flake	
0.0020	1	Lithic	Secondary retouch flake	
0.0021	4	Lithic	Shatter	
Unit 503-189 – all material Onondaga chert			Total = 2	
0.0022	1	Lithic	Secondary knapping flake	
0.0023	1	Lithic	Secondary retouch flake	
Unit 503-192 – all material Onondaga chert			Total = 3	
0.0024	3	Lithic	Secondary knapping flake	
Unit 504-194 – all material Onondaga chert			Total = 9	
0.0025	5	Lithic	Secondary knapping flake	
0.0026	3	Lithic	Secondary retouch flake	
0.0027	1	Lithic	Shatter	
Unit 504-196 – all material Onondaga chert			Total = 1	
0.0028	1	Lithic	Secondary retouch flake	
Unit 504-199 – all material Onondaga chert			Total = 4	
0.0029	3	Lithic	Secondary knapping flake	
0.0030	1	Lithic	Shatter	
Unit 505-192 – all material Onondaga chert			Total = 2	
0.0031	1	Lithic	Secondary knapping flake	
0.0032	1	Lithic	Secondary retouch flake	
Unit 506-195 – all material Onondaga chert			Total = 4	
0.0033	3	Lithic	Secondary knapping flake, 1 thermally altered	
0.0034	1	Lithic	Shatter	
			Total = 72	

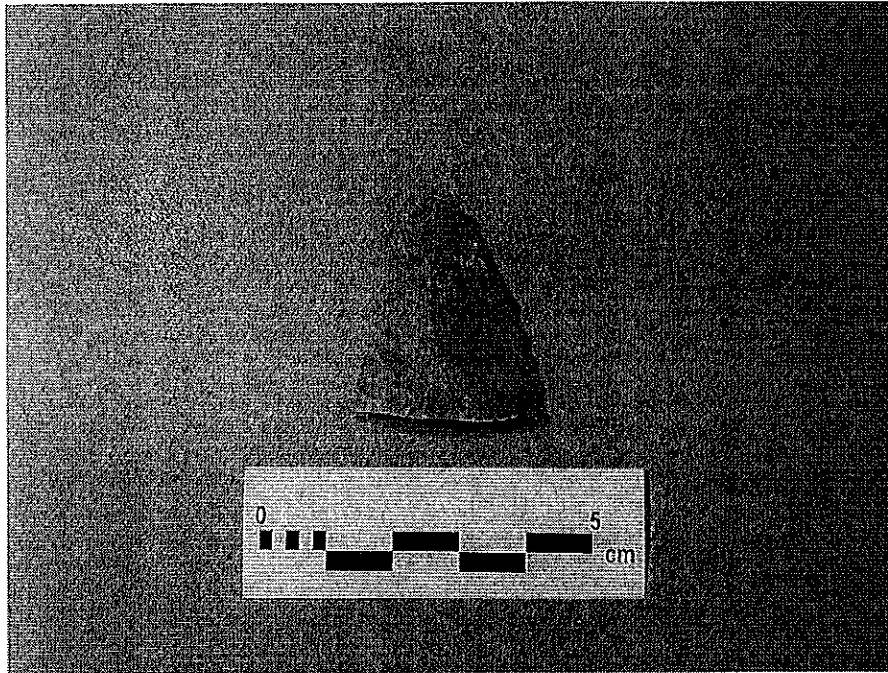


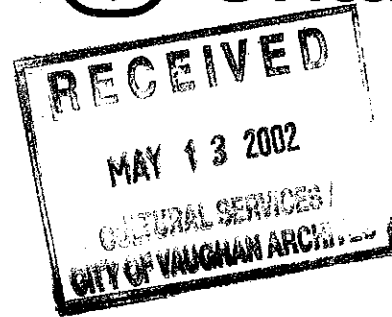
Plate 1: Biface or point tip

Ministry of Tourism,
Culture and Recreation

400 University Avenue
Toronto ON M7A 2R9

Ministère du Tourisme,
de la Culture et des Loisirs

400, avenue University
Toronto ON M7A 2R9



Heritage and Libraries Branch
Heritage Operations Unit

April 18 2002

Ms. Angela Palmero
City of Vaughan
Planning Dept.
City of Vaughan
2141 Major Mackenzie Drive
Vaughan ON
L6A 1T1

By Fax: 905-832-8535

Dear Ms. Palmero:

RE: Review of Archaeological Assessment - Stage 1 and 2 for First Vaughan Investment Ltd 400&7, Industrial Subdivision Phase 2 (19T-99009) and additional lands owned the Applicant adjacent to the South Side of Subdivision, Part Lot 6,7 and 8, Concession 5, City of Vaughan, Regional Municipality of York, Ontario. Included is review of Stage 3 Report for Al. White site AkGv-181 located on the subject property. CIF # 2000-016 and 2001-20-081

This office has reviewed the above-mentioned report, which has been submitted to this Ministry per the requirements tied to holding an archaeological license, Section 65(1) of the *Ontario Heritage Act*, R.S.O. 1990, c. O. 18. This review is to ensure fieldwork conducted and reporting provided meets Form 5 Reg. 881, R.R.O. 1990 and the 1993 Archaeological Assessment Technical Guidelines.

The above reports have determine that one archaeological site of significance is located on the subject property which has been addressed through Stage 3 excavation (the Al White Site - AkGv-181).

As such, the provincial interest in the archaeological heritage associated with the above described subdivision application and adjacent lands has been addressed and the Ministry recommends clearance of Condition No. 22 attached to the draft plan for the subdivision.

In the event that deeply buried archaeological resources are uncovered during development on this property, please contact this office at 519-314-7144.

I trust this information is of assistance. Should you require any further information regarding this matter, please feel free to contact me.

Sincerely,



Michael Johnson,
Manager,
Heritage Operations Unit

c.c. Malcolm Horne - MTCR
c.c. Martin Cooper - ASI .

June 18, 2001

L6, C5

Dan Frank
 Building Standards
 Topsoil Removal Permit

VIA FAX (905) 832-8558

TOPSOIL REMOVAL PERMIT (PARTIAL CLEARANCE)
FIRST VAUGHAN INVESTMENTS
 400 & 7
PLANNING FILE: 19T-99V09
LOTS 6,7,8, CONCESSION 5

memorandum

Please be advised there are no objections to the issuance of a Topsoil Removal Permit for the above-referenced draft plan of subdivision SUBJECT to the protection and fencing off of a site identified in the attached map.

The archaeological site, identified by the consulting archaeologist is known as the "Al White site", must undergo further archaeological assessment and therefore must be fenced off and protected until the work is completed. The owner is aware of the site and has agreed to do further work to the site as required by the Ministry. The consulting archaeologist has recommended clearance of the remaining lands.

I have attached a copy of the map and the correspondence from the archaeologist for your information and record.

Regards,



Angela Palermo
 Cultural Services
 X3128

ATTACHMENTS

Post-it® Fax Note	7671	Date	June 18	# of pages	▶ 3.
To	D. Frank	From	A. Palermo		
Co./Dept.		Co.			
Phone #		Phone #			
Fax #	905 832-8558	Fax #			

**MEMORANDUM**

Archaeological Services Inc.
528 Bathurst Street, Toronto, ON
M5S 2P9 tel: (416) 966-1089; fax (416) 966-9723

Date: June 15, 2001

To: Ms. Angela Palermo
City of Vaughan

From: Martin Cooper

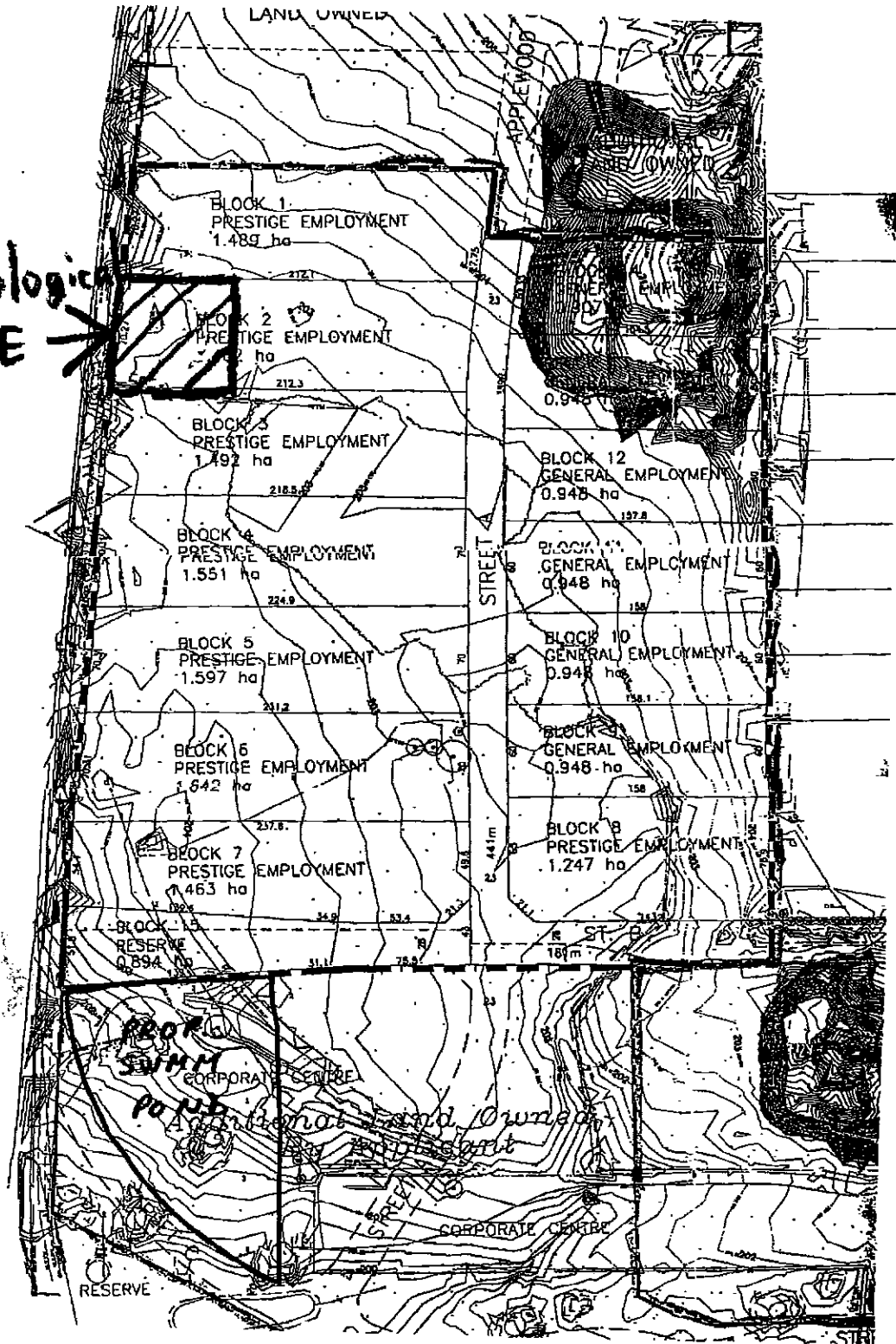
Re: Stage 1 and 2 Archaeological Assessment—First Vaughan Investments Ltd., 400 & 7 Industrial Subdivision Phase 2 (19T-99009V) and Additional Lands Owned by the Applicant Adjacent to the South Side of the Subdivision: Part Lots 6, 7, and 8, Concession 5, City of Vaughan, Regional Municipality of York, Ontario

Further to our telephone conversation, we have completed the Stage 2 assessment of the above noted lands. The assessment resulted in the identification of the Al White site, a precontact lithic scatter situated at the north west corner of the property. We will be undertaking the Stage 3/4 mitigation of the site in the next several weeks. In the mean time the site has been fenced and will be protected from any land disturbances related to work on the property. We would therefore request clearance for topsoil removal, filling and servicing on the balance of the First Vaughan lands.

Should you have any questions, please do not hesitate to contact me at the telephone number or address indicated above.

cc: Jim Stewart, Cosburn Patterson Mather

Archaeological
SITE



DA.02.077

CON 5 L&G

**Stage 1 and 2 Archaeological Assessment of
Parcel Q, Commercial Development
Millway Ave. & Hwy. No. 7
Geographic Township of Vaughan,
Now the City of Vaughan, RM of York**



**ARCHAEOLOGICAL
SERVICES
INC.**

528 BATHURST STREET, TORONTO, ONTARIO M5S 2P9 TEL: (416) 966-1069 FAX: (416) 966-9723

**Stage 1 and 2 Archaeological Assessment of
Parcel Q, Commercial Development
Millway Ave. & Hwy. No. 7
Geographic Township of Vaughan,
Now the City of Vaughan, RM of York**

Submitted to:

Sevenbridge Developments Limited
c/o Stantec Consulting Limited
3625 Dufferin Street, Suite 404
Downsview, Ontario, M3K 1N4

Tel: (416) 638-9000

Fax: (416) 638-7218

Prepared by

ARCHAEOLOGICAL SERVICES INC.
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Toronto, Ontario M5S 2P9
Tel.: (416) 966-1069
Fax: (416) 966-9723
Email: archaeology@sympatico.ca
Website: www.archaeologicalservices.on.ca

Professional Archaeological Licence # P049
MCL CIF # P049-085
ASI File # 04ST-01

June 2004

PROJECT PERSONNEL

Project Director:

Ms. Debbie Steiss

Project Manager:

Mr. Martin Cooper

Field Director:

Mr. George Clark

Field Archaeologists:

Ms. Robin Walton
Ms. Diane Ferreira
Ms. Stephanie Folgado

Report Preparation and Graphics:

Ms. Andrea Williams

Report Reviewer:

Mr. Martin Cooper

**Stage 1 and 2 Archaeological Assessment of
Parcel Q, Commercial Development
Millway Ave. & Hwy. No. 7
Geographic Township of Vaughan,
Now the City of Vaughan, Regional Municipality of York**

1.0 INTRODUCTION

Archaeological Services Inc. was contracted on the behalf of Sevenbridge Developments Limited by Stantec Consulting Limited of Markham, Ontario to conduct a Stage 1 and 2 archaeological assessment of Parcel Q of the commercial development at Millway Avenue and Highway No. 7, Part of Lot 17, Concession 5, City of Vaughan. The study area is located to the north of Highway No. 7, east of Edgeley Boulevard (Figure 1). The property encompasses an area of approximately 2.56 ha.

The assessment was conducted under the project direction of Ms. Debbie Steiss, under archaeological license P049 issued to Ms. Steiss (MCL CIF # P049-085) in accordance with the Ontario Heritage Act (RSO 1990). Mr. Martin Cooper is the project manager.

The field portion of the Stage 2 assessment was completed under the direction of Mr. George Clark on July 23rd, 2004. Permission to access the study area and to carry out the activities necessary for the completion of the Stage 2 assessment was granted by Stantec Consulting Limited on the behalf of Sevenbridge Developments Limited.

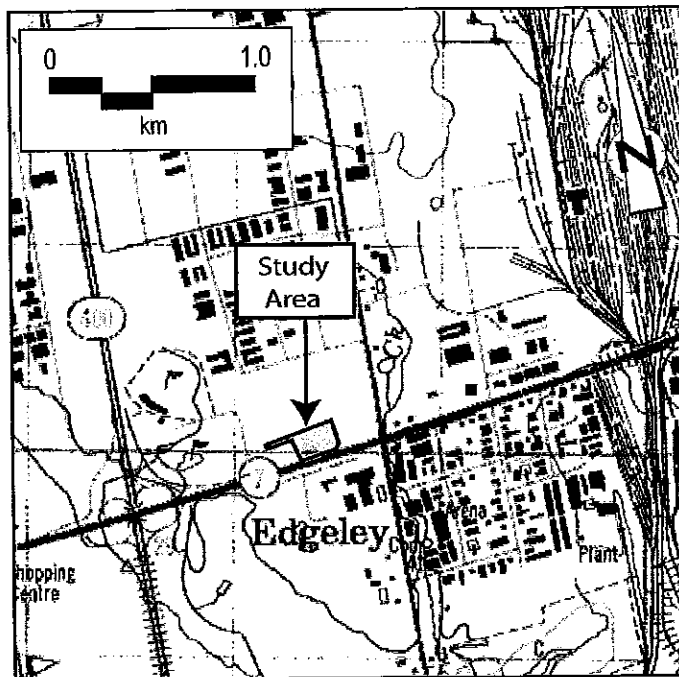


Figure 1: Location of the Study Area
(NTS Sheet 30 M/13 edition 6, 1985)

2.0 STAGE 1 BACKGROUND RESEARCH

Background research was completed to identify any archaeological sites in the study area prior to field examination and to assess the areas archaeological potential.

2.1 Physiography

The study area is situated within the Peel Plain physiographic region of southern Ontario (Chapman and Putnam 1984: 174-176). The Peel Plain physiographic region covers a large area across the central portions of the Regional Municipalities of Peel, York, and Halton. The surface of the plain is characterized by level to gently rolling topography, with a consistent, gradual slope

toward Lake Ontario. The plain is made up of deep deposits of dense, limestone- and shale-imbued till, often covered by a shallow layer of clay sediment.

While the clay soils of the plain may be imperfectly drained in inter-stream areas, the region is without large swamps or bogs. Several major rivers, including the Rouge, the Humber and the Don Rivers, cut across the plain, draining southward into Lake Ontario. The closest water source to the study area is Black Creek which flows approximately 500 m to the east of the property. The topography of the property itself is characterized by gently rolling terrain, with a general decline in elevation from north to south.

2.2 Previous Archaeological Research

In order that an inventory of archaeological resources could be compiled for the study area, three sources of information were consulted: the site record forms for registered sites housed at the Ministry of Culture; published and unpublished documentary sources; and the files of Archaeological Services Inc. In Ontario, information concerning archaeological sites is stored in the Ontario Archaeological Sites Database (O.A.S.D.), a database maintained by the Ministry of Culture. This database contains archaeological sites registered within the Borden system.

Under the Borden system, Canada has been divided into grid blocks based on latitude and longitude. A Borden block is approximately 13 kilometres east to west, and approximately 18.5 kilometres north to south. A four-letter designator references each Borden block, and sites within a block are numbered sequentially as they are found. The study area under review is located within the AkGv Borden Block.

While no archaeological sites have been registered within the study area, eight sites have been registered within a two kilometre radius of the study area limits. These sites are summarized in Table 1 below.

TABLE 1: Registered Archaeological Sites within 2 km of the Study Area

Borden	Site Name	Cultural Affiliation	Site Type	Researcher
AkGv-104	Burkholder House	Undetermined Precontact, 19 th C. Historic	Findspot, homestead	MTO 1990
AkGv-105	-	Undetermined Precontact	Findspot	MTO 1991
AkGv-106	Goose	Undetermined Precontact	Findspot	MTO 1991
AkGv-107	Bingo	Undetermined Precontact	Findspot	MTO 1991
AkGv-108	-	Early Archaic	Findspot	MTO 1991
AkGv-109	Left Shoe	Undetermined Precontact	Findspot	MTO 1991
AkGv-110	Right Shoe	Undetermined Precontact	Findspot	MTO 1991
AkGv-111	Boot	Undetermined Precontact	Findspot	MTO 1991

2.3 Historical Land Use Summary

The 1878 *Illustrated Historical Atlas of the County of York* was reviewed to determine the potential for the presence of historic archaeological remains within the study area (Figure 2), which comprises part of Lot 6, Concession 5, in the former Township of Vaughan, County of York, Ontario. According to the *Atlas*, the study area was once part of a parcel of land owned by a Mr. James Brown.

In the 1870s, there was a concession road running along the southern boundary of the study area: this road is now Highway No. 7. The historical map indicates that there were two farmsteads on the land owned by James Brown, however, neither building is located within the study area boundary. No other structures or features are depicted within the limits of the study area. It should be noted that the accuracy with which features were plotted on these maps is limited. Moreover, not every feature of interest would have been within the scope of the 1878 *Atlas*.

2.4 Summary of Archaeological Potential

Water is the single most important resource necessary for any extended human occupation or settlement. Since water sources have remained relatively stable in southern Ontario since the Pleistocene era, proximity to water can be regarded as the primary indicator of archaeological site potential. Accordingly, distance from water is one of the most commonly used variables for predictive modelling of archaeological site location.

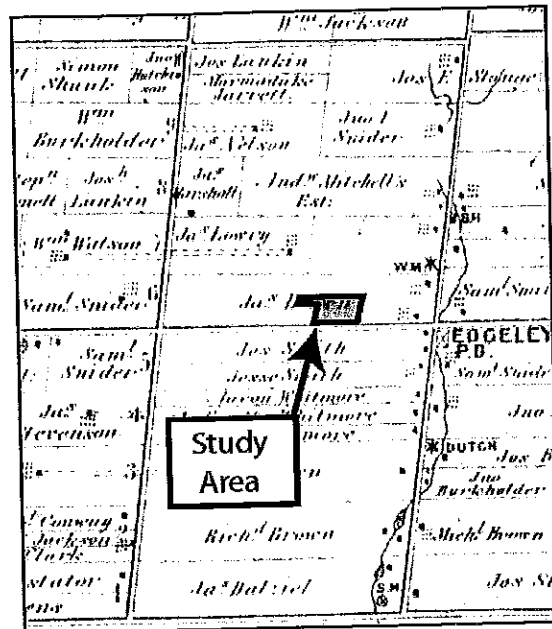


Figure 2: The study area superimposed on the map of Vaughan Township in the 1878 *Illustrated Historical Atlas of the County of York*

The Ministry of Culture Primer on Archaeology, Land Use Planning and Development in Ontario (1997: 12-13) stipulates that undisturbed land within 300 metres of a primary water source (lakeshore, river, large creek, etc.), and undisturbed land within 200 metres of a secondary water source (stream, spring, marsh, swamp, etc.), as well as undisturbed land within 300 metres of an ancient water source (as indicated by remnant beaches, shore-cliffs, terraces, abandoned river channel features, etc.), are considered to have archaeological potential.

Based on the proximity of Black Creek, the study area has potential for the identification of prehistoric archaeological remains depending on the degree of more recent disturbances. Moreover, as listed in Section 2.2, eight precontact archaeological sites have been registered within two kilometres of the study area.

The majority of early nineteenth century Euro-Canadian farmsteads (i.e., those which potentially have the most significant resources and whose locations are rarely recorded on nineteenth century maps) are likely to be captured by the basic proximity to water model outlined above. An added factor, however, is the development of the network of concession roads through the course of the nineteenth century. These transportation routes were loci for Euro-Canadian domestic, commercial, and institutional land use. Accordingly, undisturbed lands which lie within 100 metres of an early settlement road such as the present Highway 7, are also considered to have potential for the presence of Euro-Canadian archaeological sites. Therefore, depending on the degree of land disturbance, it may be concluded that the study area exhibits potential for the presence of historic archaeological resources. Again, it must be noted that not every feature of potential interest today would have been illustrated on the nineteenth century mapping.

3.0 STAGE 2 FIELD ASSESSMENT

The Stage 2 assessment was carried out in order to inventory, identify and describe any archaeological resources extant on the subject property prior to development. The survey was conducted under the field direction of Mr. George Clark on July 23rd, 2004. The weather on this day was sunny and hot.

The Parcel Q study area is gently rolling terrain. The entire property (2.56 ha) consists of ploughed fields (Figure 3). The field had been ploughed and had been allowed to weather; visibility was excellent for pedestrian survey (Plate 1). Soils consisted of clay and loam. Rainwater from a recent storm had collected in some of the deeper plow furrows on the property. (Plate 2).

Approximately 10% of the property (0.26 ha) was found to be disturbed during the course of the pedestrian survey. There is significant disturbance in the northeast and southeast corners of the property (Plates 3 and 4). The disturbance in the northeast and southeast areas of the study area were may have been the result of construction and grading activities associated with Highway No. 7 and Millway Avenue. The southeast corner also had standing water on it at the time of the pedestrian survey.

Despite careful scrutiny, no archaeological resources were documented as a result of the Stage 2 field assessment.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The Stage 1 archaeological assessment of Parcel Q of the commercial development at Millway Ave. and Highway. No. 7, Geographic Township of Vaughan, now in the City of Vaughan, Regional Municipality of York, revealed that no archaeological sites had previously been registered on the property, but that eight sites had been registered within a two kilometre radius. The most important factor in considering archaeological potential was the property's proximity to Black Creek. The 1877 Vaughan Township map indicated a concession road adjacent the property. For these reasons, the study area exhibited potential for the presence of precontact and historical archaeological resources, depending on the extent to which previous land uses had disturbed the property.

The subsequent Stage 2 assessment of the property was conducted through systematic five metre interval pedestrian survey and strategic test pitting of those lands deemed to have archaeological potential. The investigation did not result in the documentation of any archaeological resources. Despite careful scrutiny of the property, no archaeological resources were encountered.

In light of these results, it is recommended that:

1. The subject property may be considered free from further archaeological concern.
2. Should deeply buried archaeological remains be found on the property during construction activities, the Heritage Operations Unit of the Ontario Ministry of Culture should be notified immediately
3. In the event that human remains are encountered during construction, the proponent should immediately contact both the Ministry of Culture and the Registrar or Deputy



ASI File # 04ST-01

Date: July 28th, 2004

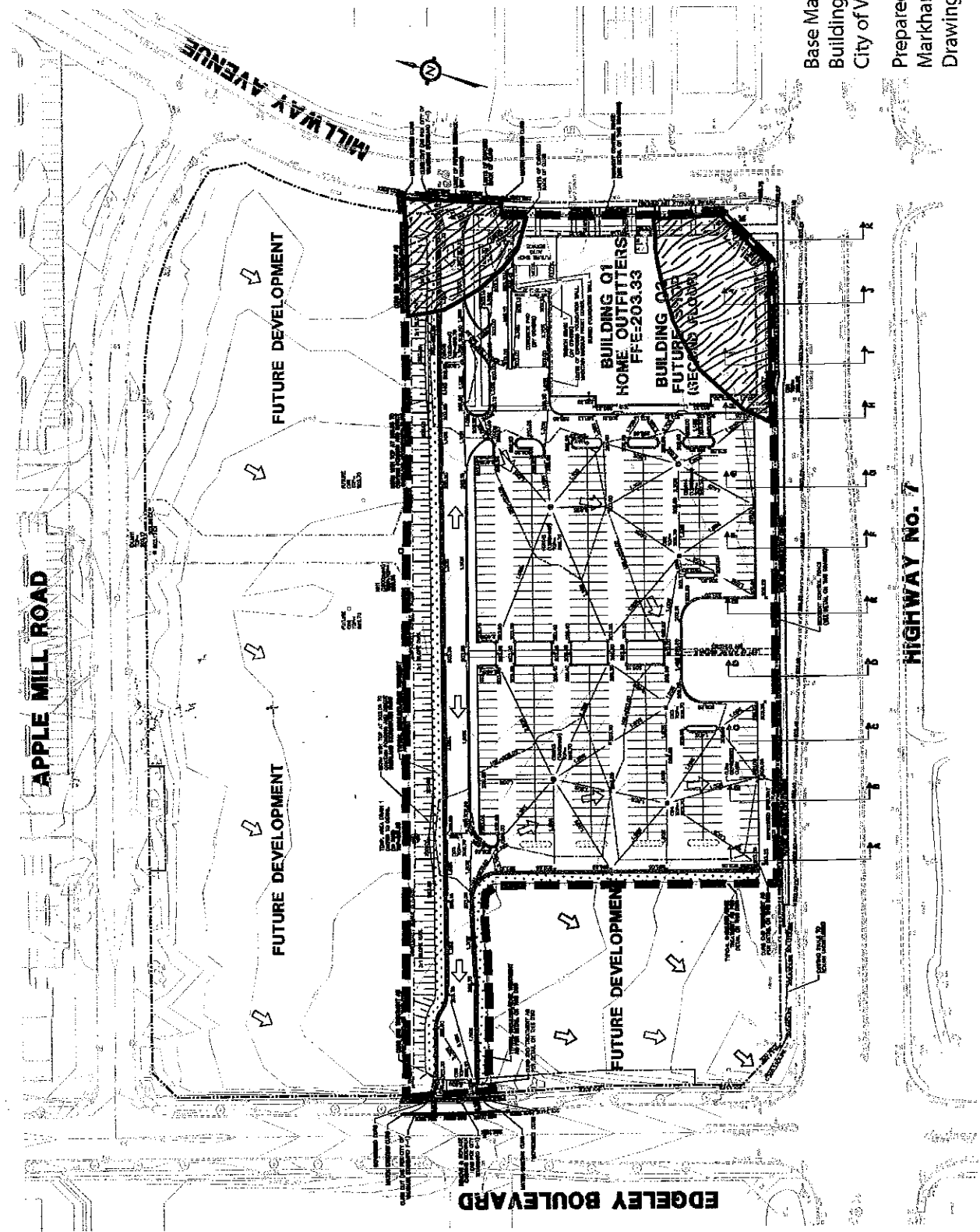
Drawn By: AKW

Study Area
Boundary

Ploughed:
Pedestrian
Survey at
5 m intervals

Disturbed
Soils

0 20 50 METRES



Base Mapping: Commercial Development,
Building 'Q', Millway Ave. & Hwy. No. 7,
City of Vaughan, Ontario

Prepared By: Stantec Consulting Ltd.,
Markham, Ontario.

Drawing No. SW2 Date: October 2003

Figure 3: Stage 2 Field Assessment of Parcel 'Q', Commercial Development, Millway Ave. & Hwy. No. 7, City of Vaughan, Ontario

Registrar of the Cemeteries Regulation Unit of the Ministry of Consumer and Business Services, (416) 326-8392.

The documentation related to the archaeological assessment of the subject property shall be curated by Archaeological Services Inc. until such a time that arrangements for their ultimate transfer to her Majesty the Queen in right of Ontario, or other public institution, can be made to the satisfaction of the landowner, the Ontario Ministry of Culture, and any other legitimate interest groups.

5.0 REFERENCES CITED

Chapman, L.J., and D.F. Putnam

1984 *The Physiography of Southern Ontario*. Second Edition. Toronto: University of Toronto Press.

Illustrated Historical Atlas of the County of York.

1878 Miles & Co. Toronto

Ministry of Culture

1997 *Conserving A Future For Our Past: Archaeology, Land Use Planning & Development in Ontario*. Toronto: Cultural Programs Branch, Archaeology & Heritage Planning Unit

6.0 PHOTOGRAPHY

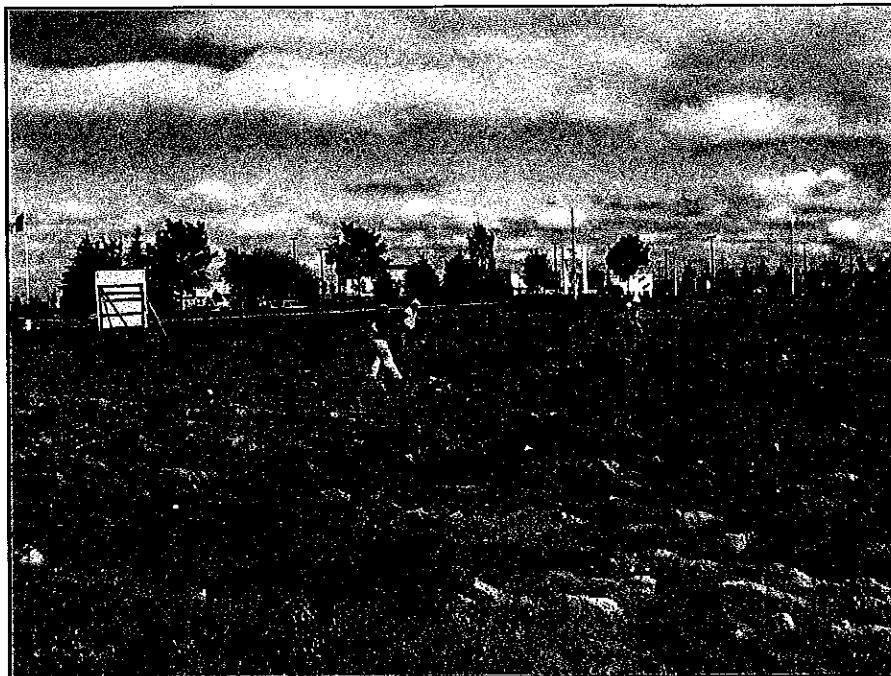


Plate 1: A view north across the narrow corridor of ploughed land in the northwest, showing excellent field conditions for pedestrian survey



Plate 2: Looking west along the northern boundary of the subject area. Note standing water in the ditch at the edge of the ploughed zone



Plate 3: Looking west into the area of disturbed land in the northeast corner of the subject property.

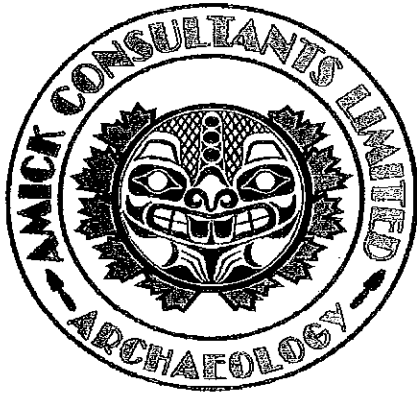


Plate 3: A view southeast across the disturbed land in the southeast corner of the subject property. Note the standing water

RECEIVED

AUG 17 2006

**CULTURAL SERVICES DIVISION/
RECREATION & CULTURE DEPT.
CITY OF VAUGHAN**



**Report on Part of the 2005
Stage 1-2 Archaeological Assessment of the
Proposed Draft Plan of Subdivision,
Part of Lot 6, Concession 4
City of Vaughan,
Regional Municipality of York,**

Submitted to

Royal Empress Gardens Inc.
620 Wilson St., Suite 202
Toronto, Ontario

Tel: (416) 630-5263 Fax: (416) 630-5267

&

The Ontario Ministry of Culture

Prepared by

AMICK Consultants Limited
Southwestern District
Archaeological Consulting Licence # P038
Project # P038-192
Corporate Project # 25663

December 2005

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Project Personnel

Consulting Archaeologist	Marilyn Cornies
Project Archaeologist	Marilyn Cornies
Field Assistant	Michael B. Henry
Report Preparation	Michael B. Henry Marilyn Cornies
Draughting/Photography	Michael B. Henry Derek Howard

Executive Summary

This report describes the results of the Stage 1-2 Archaeological Assessment of the Proposed Draft Plan of Subdivision, Part of Lot 6, Concession 4, City of Vaughan, Regional Municipality of York conducted by AMICK Consultants Limited. This study was conducted under Archaeological Consulting Licence #P038 issued to Ms Marilyn Cornies by the Minister of Culture for the Province of Ontario. This assessment was undertaken by the proponent to confirm the existence or absence of archaeological resources as a condition of approval for portions of the proposed development. All work was conducted in conformity with the Archaeological Assessment Technical Guidelines (OMCzCR 1993) and the Ontario Heritage Act (RSO 1980). AMICK Consultants Limited was engaged by the proponent to undertake this assessment on November 28, 2005. The lands were found to be disturbed. As a result of the assessment no archaeological resources was encountered. Consequently, it is recommended that the proposed development be considered cleared of any further requirement for archaeological work.

1.0 INTRODUCTION

This report details the 2005 Stage 1-2 Archaeological Assessment of the Proposed Draft Plan of Subdivision located on Part of Lot 6, Concession 4, City of Vaughan, Regional Municipality of York. The subject land consists of approximately 8.5 acres (see Figure 1). The conduct of the archaeological assessment followed two phases: Background Research and Archaeological Field Assessment. All work was conducted in accordance with the terms and conditions of the Ontario Heritage Act (RSO 1980) under Archaeological Consulting License #P038 issued by the Minister of Culture for the Province of Ontario to Ms Marilyn Cornies. Permission to enter the property and remove archaeological resources, if necessary, was granted by the client. All material is maintained at the offices of AMICK Consultants Limited. Artifacts (if applicable) are temporarily to be stored at the offices of AMICK Consultants Limited, with permanent placement to be determined at a later date.

2.0 LOCATION AND DESCRIPTION

As illustrated in Figure 1, the subject property is located along Regional Road 7 within the limits of the City of Vaughan. Existing commercial operations lie to the north and east and undeveloped lands to the west. The property consists of approximately 8.5 acres and is roughly square in shape. The nearest source of potable water is the Black Creek within 300 metres of the western boundary of the property. The property had been extensively disturbed. Topsoil had been removed throughout the property to the extent that no original topsoil was present.

The subject property is situated within the South Slope physiographic region, which extends from the Niagara Escarpment to the Trent River. Conditions in the region vary greatly. East of Maple the slope is smoothed, faintly drumlinized and scored at intervals by valleys tributary to the Rouge, Don and Humber River systems. The South Slope lies across the limestones of the Verulam and Lindsay Formations, the grey shales of the Georgian Bay Formation and the reddish shales of the Queenston Formation. A till consisting nearly of red and grey shale is reached west of the Credit River. The soil is only slightly acidic, ranging from sandy in the east to clayey in the west (Chapman and Putnam 1984: 172-174).

3.0 BACKGROUND RESEARCH

As part of the present study, background research was conducted in order to determine if any archaeological resources had been formerly documented within or in close proximity to the subject property and if these same resources might be subject to impacts from the proposed undertaking. This data was also collected in order to assist in the assessment of the archaeological potential of the subject property and in order to establish the significance of any resources which might be encountered during the conduct of the present study. The requisite data was collected from the Archaeology Unit, Heritage Branch, Ontario Ministry of Culture (OMC) and the corporate research library of AMICK Consultants Limited.

Native Occupation:

The data gathered from the Archaeological Sites Database of the OMC was collected within a 2 km radius about the subject property. As a result it was determined that 8 archaeological sites related to First Nations activity in the area had been formally documented. These sites are briefly described below.

<i>Borden No.</i>	<i>Name</i>	<i>Description</i>
AkGv-104	Burkholder House	Indeterminate
AkGv-105		Indeterminate Findspot
AkGv-106	Goose	Indeterminate Scatter
AkGv-107	Bingo	Indeterminate Scatter
AkGv-108		Archaic Findspot
AkGv-109	Left Shoe	Indeterminate Scatter
AkGv-110	Right Shoe	Indeterminate Scatter
AkGv-111	Boot	Indeterminate Scatter

Euro-Canadian Settlement:

The Illustrated Historical Atlas of York County (1875) indicates that a homestead owned by Samuel Smith was situated on the western half of Lot 6, Concession 4 Vaughan Township at the time the atlas was compiled. The OMC Database indicated that the above mentioned Burkholder site also contained a Euro-Canadian component.

Summary:

Background research indicates a high potential for documented sites of Native origins and a moderate potential for site of Euro-Canadian origins. The proximity to the Black Creek further suggests a high potential for archaeological resources of Native origins.

4.0 ARCHAEOLOGICAL FIELD ASSESSMENT

4.1 Methodological Approach

Figure 3 of this report illustrates the subject property and the survey methods used to complete the physical assessment of the subject property. As indicated previously, the property exhibits high potential for significant archaeological resources of Native and Euro-Canadian origins (see Summary p. 5). Consequently, the property was deemed assessable at the high potential methodology of five metres between intervals. The property had undergone extensive disturbances. The topsoil had been removed from the property to the extent that no original topsoil was present resulting in numerous wet areas and thusly no assessable areas. In addition, rock, cement and construction materials were littered throughout the property. The assessment took place on December 4, 2005 under sunny skies.

4.2 Results

As a result of the physical assessment of the property, no archaeological resources were encountered. The homestead illustrated in the Historic atlas was outside the limits of the subject property or obliterated long ago. As a result, no further archaeological investigations are recommended for this portion of the subject property.

5.0 CONCLUSIONS & RECOMMENDATIONS

As a result of the physical assessment, no archaeological resources were encountered. Consequently, it is recommended that the proposed development be considered cleared of any further requirement for archaeological work. However, it must be noted at this time that no archaeological survey, regardless of its intensity, can entirely negate the possibility of deeply buried cultural material, notably human interments. In consequence, it is further recommended that should any such remains be encountered during construction activities, the Regulatory Operations Group, OMC and/or the Cemeteries Regulation Group of the Ontario Ministry of Consumer and Commercial Relations and AMICK Consultants Limited be contacted immediately.

TABLE 1 Cultural Chronology for South-Central Ontario

PERIOD	GROUP	DATE RANGE	TRAITS
Palaeo- Indian			
	Fluted Point	9500-8500 B.C.	Big Game hunters
	Hi-Lo	8500-7500 B.C.	small nomadic groups
Archaic			
Early		8000-6000 B.C.	hunter-gatherers
Middle	Laurentian	6000-2000 B.C.	territorial divisions arise
Late	Lamoka	2500-1700 B.C.	ground stone tools appear
	Broadpoint	1800-1400 B.C.	
	Crawford Knoll	1500-500 B.C.	
	Glacial Kame	c.a. 1000 B.C.	elaborate burial practices
Woodland			
Early	Meadowood	1000-400 B.C.	introduction of pottery
	Red Ochre	1000-500 B.C.	
Middle	Point Peninsula	400 B.C.-500 A.D.	long distance trade
	Princess Point	500-800 A.D.	horticulture
Late	Pickering	800-1300 A.D.	villages & agriculture
	Uren	1300-1350 A.D.	larger villages
	Middleport	1300-1400 A.D.	
	Huron	1400-1650 A.D.	warfare
Historic			
Early	Odawa, Ojibwa	1700-1875 A.D.	social displacement
Late	Euro-Canadian	1785 A.D. +	European settlement

Report on the 2005 Stage 1-2 Archaeological Assessment of the Proposed Draft Plan of Subdivision ,
Part of Lot 6, Concession 4, City of Vaughan, Regional Municipality of York.



Figure 1 Location of the Subject Property

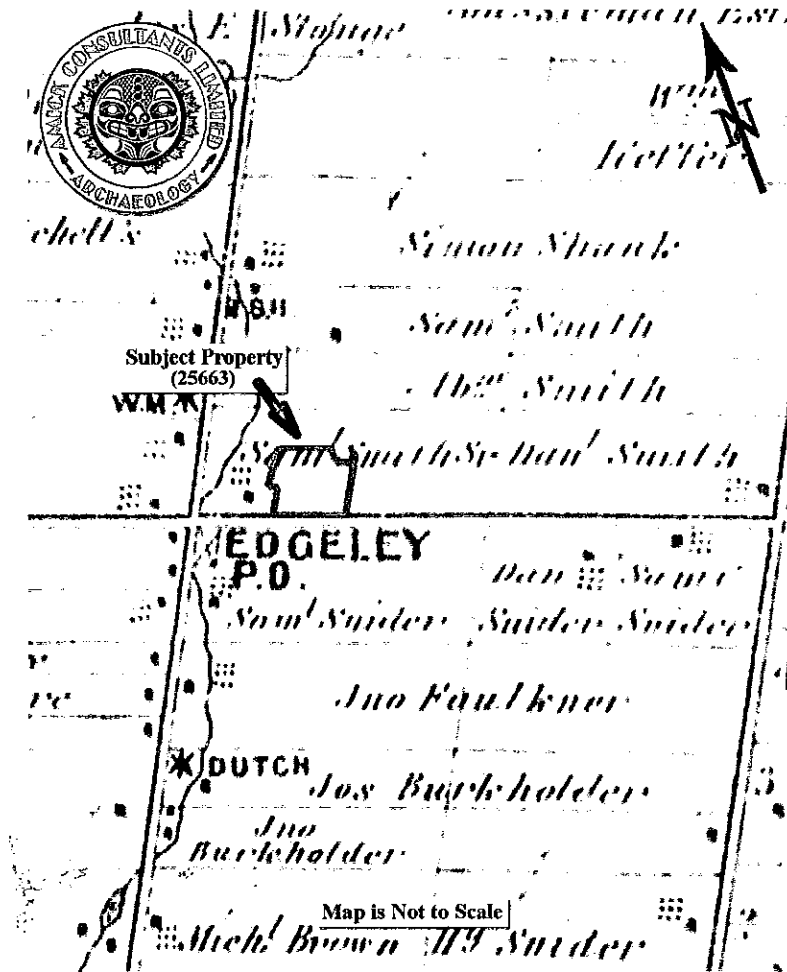


Figure 2 Segment of the Historic Atlas Map (1875)
(scale unknown)

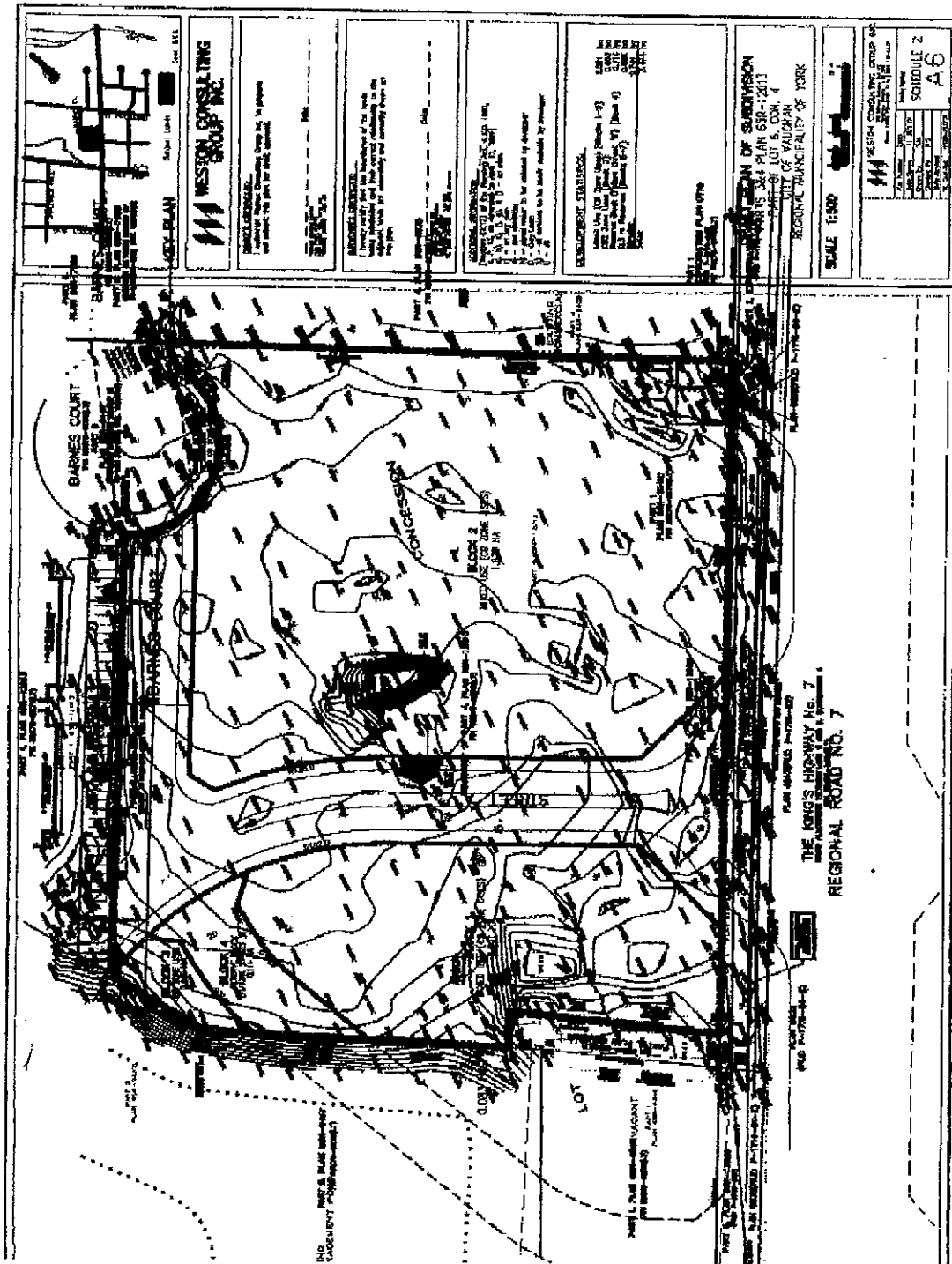


Figure 3 Plan of the Subject Property and the Archaeological Assessment
 (Disturbed and not assessed)



Plate 1 Survey Conditions



Plate 2 Survey Conditions



Plate 3 **Survey Conditions**



Plate 4 **Survey Conditions**



Plate 5 **Survey Conditions**



Plate 6 **Survey Conditions**

Robinson, Stephen

From: Horne, Malcolm (MCL) [mailto:Malcolm.Horne@ontario.ca]
Sent: Friday, October 27, 2006 1:49 PM
To: Robinson, Stephen
Subject: RE: 19T-00V21 (Royal Empress Gardens Inc.)

We have not yet provided a recommendation of no further concerns for this project. I will put it on my list and contact the archaeological consultant regarding some additional information that I require.

Thanks,

Malcolm Horne
Heritage Planner/Archaeologist
Heritage Operations Unit
Ministry of Culture
400 University Avenue, 4th Floor
Toronto ON M7A 2R9

Tel: (416) 314-7146
Fax: (416) 314-7175
e-mail: malcolm.horne@ontario.ca

From: Robinson, Stephen [mailto:Stephen.Robinson@vaughan.ca]
Sent: October 27, 2006 1:29 PM
To: Horne, Malcolm (MCL)
Subject: RE: 19T-00V21 (Royal Empress Gardens Inc.)

Malcolm,

Sorry, I should have included this in my initial message.

Part Lot 6, Concession 4
P038-192

Stephen

Stephen Robinson, MA, CAPHC
Cultural Heritage Coordinator
City of Vaughan, Cultural Services Division
(905) 832-8585, Ext. 3128

-----Original Message-----

From: Horne, Malcolm (MCL) [mailto:Malcolm.Horne@ontario.ca]
Sent: Friday, October 27, 2006 1:24 PM
To: Robinson, Stephen
Subject: RE: 19T-00V21 (Royal Empress Gardens Inc.)

If you could provide me with the lot and concession, or even better with the Project Information Form

10/27/2006

number (CIF or PIF) from the front cover of the report, I should be able to determine the status of this project.

Thanks,

Malcolm Horne
Heritage Planner/Archaeologist
Heritage Operations Unit
Ministry of Culture
400 University Avenue, 4th Floor
Toronto ON M7A 2R9

Tel: (416) 314-7146
Fax: (416) 314-7175
e-mail: malcolm.horne@ontario.ca

From: Robinson, Stephen [mailto:Stephen.Robinson@vaughan.ca]
Sent: October 26, 2006 12:05 PM
To: Horne, Malcolm (MCL)
Subject: 19T-00V21 (Royal Empress Gardens Inc.)

Hi Malcolm,

Can you confirm if your office has cleared concerns for archaeology at 19T-00V21 (Royal Empress Gardens Inc.)? AMICK has provided a Stage 1-2 assessment recommending clearance dated December 2005.

Cheers.

Stephen

Stephen Robinson, MA, CAPHC
Cultural Heritage Coordinator
City of Vaughan, Cultural Services Division
(905) 832-8585, Ext. 3128

This e-mail, including any attachment(s), may be confidential and is intended solely for the attention and information of the named addressee(s). If you are not the intended recipient or have received this message in error, please notify me immediately by return e-mail and permanently delete the original transmission from your computer, including any attachment(s). Any unauthorized distribution, disclosure or copying of this message and attachment(s) by anyone other than the recipient is strictly prohibited.

This e-mail, including any attachment(s), may be confidential and is intended solely for the attention and information of the named addressee(s). If you are not the intended recipient or have received this message in error, please notify me immediately by return e-mail and permanently delete the original transmission from your computer, including any attachment(s). Any unauthorized distribution, disclosure or copying of this message and attachment(s) by anyone other than the recipient is strictly prohibited.

10/27/2006

Robinson, Stephen

From: Seca, Andrea
Sent: Thursday, October 26, 2006 1:27 PM
To: Robinson, Stephen
Subject: RE: 19T-00V21

Thanks for the clarification Stephen.

Andrea

From: Robinson, Stephen
Sent: Thursday, October 26, 2006 12:02 PM
To: Seca, Andrea
Subject: RE: 19T-00V21

Andrea,

To clarify, our files contain the Stage 1-2 reports from AMICK. All I am waiting on is the Ministry's letter of concurrence with the report recommendations. I will contact Malcolm Horne to confirm when a Ministry letter has been issued.

Stephen

Stephen Robinson, MA, CAPHC
Cultural Heritage Coordinator
City of Vaughan, Cultural Services Division
(905) 832-8585, Ext. 3128

-----Original Message-----

From: Seca, Andrea
Sent: Thursday, October 26, 2006 10:45 AM
To: Robinson, Stephen
Subject: 19T-00V21
Importance: High

Stephen

Re: Royal Empress Gardens
19T-00V21 (R) / Z.06.051 / OP.06.019

Thank you for your comments on 19T-00V21 dated October 20, 2006. However, I would just like clarification on something. The comment indicates that the archeological assessment has to be submitted and reviewed by the municipality and the Ministry.

With my formal circulation of the applications for the subject lands I did circulate a copy of the following report: Stage 1-2 Archeological Assessment – prepared by Amick Consultants Limited – dated December 2005. Before I send your comments out can you verify if you are still in the process of reviewing this document? I know the applicant will ask.

For your information and in the event you have to look back, OP.06.019 was circulated on June 29, 2006 and 19T-00V21 and Z.016.051 was circulated on August 15, 2006. To be honest I don't recall which one of the two I circulated it with but I know it was with one of them.

Thanks

Andrea

Andrea Seca, B.E.S.
Planner
Community Planning Department
City of Vaughan
(tel) 905-832-8585 ext 8215
(fax) 905-832-6080

Robinson, Stephen

From: Seca, Andrea
Sent: Thursday, October 26, 2006 10:45 AM
To: Robinson, Stephen
Subject: 19T-00V21
Importance: High

Stephen

Re: Royal Empress Gardens
19T-00V21 (R) / Z.06.051 / OP.06.019

Thank you for your comments on 19T-00V21 dated October 20, 2006. However, I would just like clarification on something. The comment indicates that the archeological assessment has to be submitted and reviewed by the municipality and the Ministry.

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Thanks

Andrea

Andrea Seca, B.E.S.
Planner
Community Planning Department
City of Vaughan
(tel) 905-832-8585 ext 8215
(fax) 905-832-6080

October 20, 2006

To: Andrea Seca
Development Planning Department

Via Fax: (905) 832-6080

From: Stephen Robinson
Cultural Heritage Co-ordinator

**CONDITIONS REGARDING CONCERNS FOR ARCHAEOLOGICAL RESOURCES
DRAFT PLAN OF SUBDIVISION
19T-00V21
PT LOT 6, CON 4
CITY OF VAUGHAN**

Prior to final approval of the any agreement of the development application, and prior to the initiation of any grading to any lands included in the development application, a preliminary archeological evaluation of the entire area within the proposed application shall be carried out at the owner's expense, and the same report shall identify any significant archaeological sites found as a result of the assessment. The archaeological assessment report shall be carried out by a licensed archaeologist and prepared according to the Ministry of Culture approved Archaeological Assessment Technical Guidelines, dated 1993. The archaeological assessment shall be submitted to the municipality and the said Ministry for review and approval.

Prior to final approval of any development application, the owner, by way of development agreement, shall agree that no development or grading shall occur on any site identified as being archaeologically significant as a result of the archaeological evaluation carried out on the property, until such time as protective and mitigative measures of all significant archaeological sites have been fulfilled to the satisfaction of the Ministry of Culture (Archaeology Unit) and the municipality.


Stephen Robinson
Cultural Heritage Co-ordinator
Cultural Services Division
Recreation & Culture Department
(905) 832-8585, ext. 3128

memorandum



The City Above Toronto

The City of Vaughan
2141 Major Mackenzie Drive
Vaughan, Ontario
Canada L6A 1T1
Development Planning Dept.
Tel (905) 832-8585
Fax (905) 832-6080

AGENT: WESTON CONSULTING GROUP INC.
Attn: PETER SMITH
3300 HIGHWAY 7, SUITE 320
VAUGHAN, ONT. L4K 4M3
Tel: (905) 738-8080 Fax: (905) 738-6637

RECEIVED

AUG 17 2006

CULTURAL SERVICES DIVISION/
RECREATION & CULTURE DEPT.
CITY OF VAUGHAN

DATE: Aug/15/2006
TO: Stephen Robinson
Recreation & Culture Dept.
FROM: DEVELOPMENT PLANNING DEPARTMENT
SUBJECT: REQUEST FOR COMMENTS

The Vaughan Development Planning Department requests your comment on the following Application:

APPLICANT: ROYAL EMPRESS GARDENS LTD.

LOCATION: North side of Regional Road 7, between Jane Street and Creditstone Road, municipally known as 2900 Regional Road 7, in Part of Lot 6, Concession 4, City of Vaughan.

FILE#: 19T-00V21 (revised) Related Files: OP.06.019 and Z.06.051

WARD#: 4

PROPOSAL: The Owner has also submitted a revised Draft Plan of Subdivision as follows:

Table with 2 columns: Description and Area (ha). Rows include: 1 Apartment Residential Block (C9, Corporate Centre Zone) 0.6 ha; 5 Mixed-Use Apartment Residential Blocks (with ground floor Commercial) (C9, Corporate Centre Zone) 1.93 ha; 2 Park Blocks (OS2, Open Space Park Zone) 0.15 ha; Roads/Reserves/Other 0.79 ha; TOTAL AREA 3.47 ha

A Zoning By-law Amendment Application has been submitted for the removal of The (H), Holding Provision. In addition, the Owner is requesting a) to rezone a portion of the land to OS2, Open Space Park Zone to facilitate a second Park Block and b) to allow the required exceptions for increased density and total unit count, reduced parking standard and unlimited height required for the proposed subdivision development.

The lands area designated 'Corporate Centre Node' within the Vaughan Corporate Centre Secondary Plan (OPA #500) and zoned C9 (H) Corporate

Centre Zone with a Holding Symbol (H), subject to exception 9(1248) and A
Agricultural Zone under By-law 1-88, as amended.

Please return your reply to the Development Planning Department no later than **Sep/05/2006**

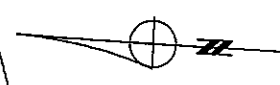
Please indicate: COMMENT _____

NO COMMENT _____

**IF NO RESPONSE IS RECEIVED BY THE DATE INDICATED, IT WILL BE ASSUMED THAT
THERE ARE NO OBJECTIONS OR COMMENTS FORTHCOMING. SHOULD AN EXTENSION
BE REQUIRED, PLEASE INFORM THE DEVELOPMENT PLANNING DEPARTMENT.**

Thank you for your assistance to this matter. Should you require any further information please
contact **Andrea Seca** at **(905) 832-8585**, extension **8215**, fax **(905) 832-6080**.

R:\SERWORKING\SECAA\PROPOSALS\19T-00V21&Z.06.051-Inside Letter 060815pg.doc .



Not to Scale

- Legend**
- A - AGRICULTURAL ZONE
 - C7 - SERVICE COMMERCIAL ZONE
 - C8(H) - OFFICE COMMERCIAL ZONE (WITH HOLDING PROVISION)
 - C9(H) - CORPORATE CENTRE ZONE (WITH HOLDING PROVISION)
 - EM1 - PRESTIGE EMPLOYMENT ZONE
 - OS2 - OPEN SPACE PARK ZONE
- Subject Lands**
-

Location Map

Part Lot 6,
Concession 4

APPLICANT:
ROYAL EMPRESS GARDENS LTD.

N:\2011\ATTACHMENTS\1818_00\21\0601



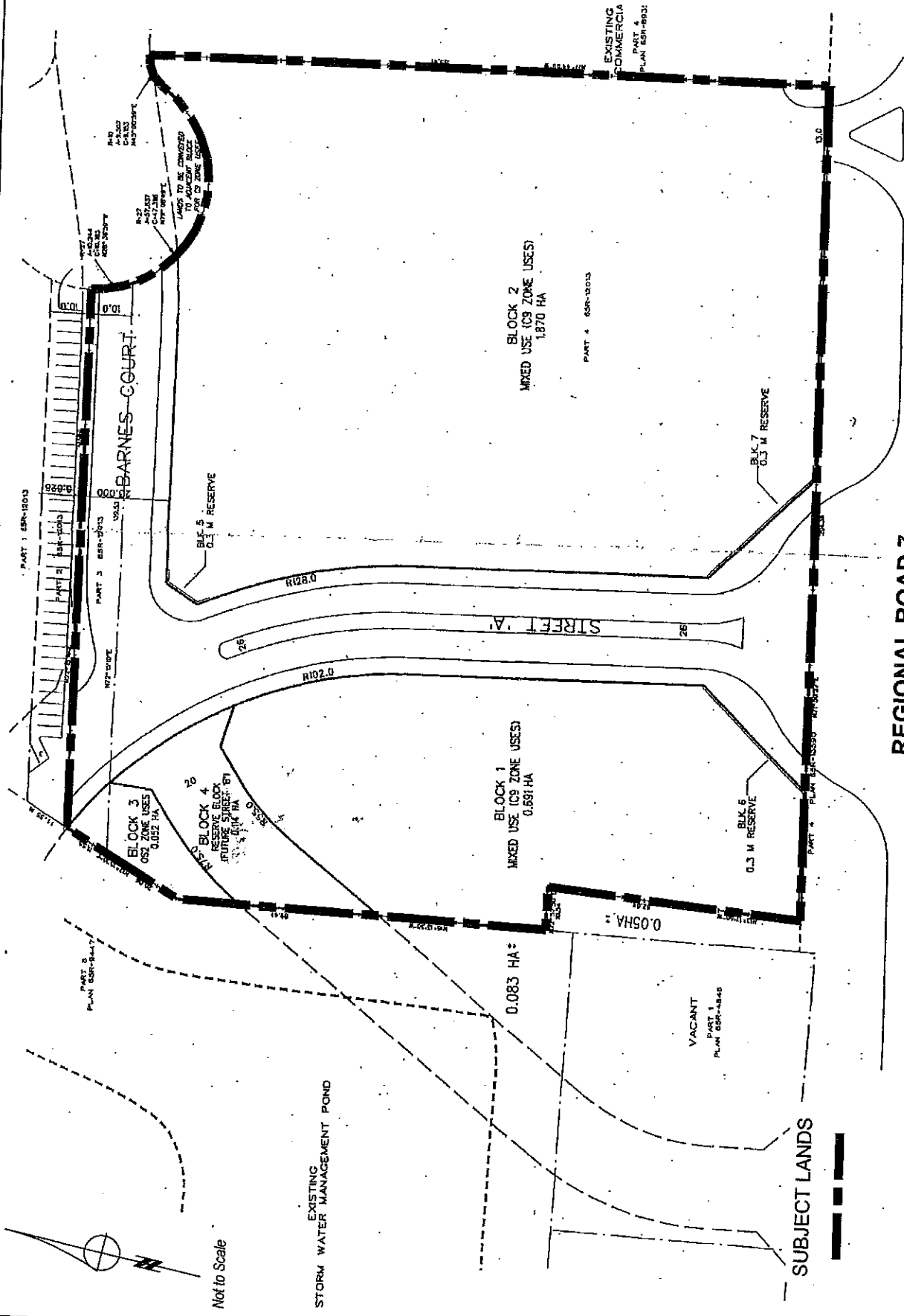
The City Above Toronto

Development Planning Department

Attachment

FILE No.:
19T-00V/21 (REVISED)
& Z.06.051
RELATED FILE:
OP.06.019
August 8, 2006





Approved Draft Plan of Subdivision (19T-00V21)

APPLICANT:
 ROYAL EMPRESS GARDENS LTD.
 Part Lot 6,
 Concession 4

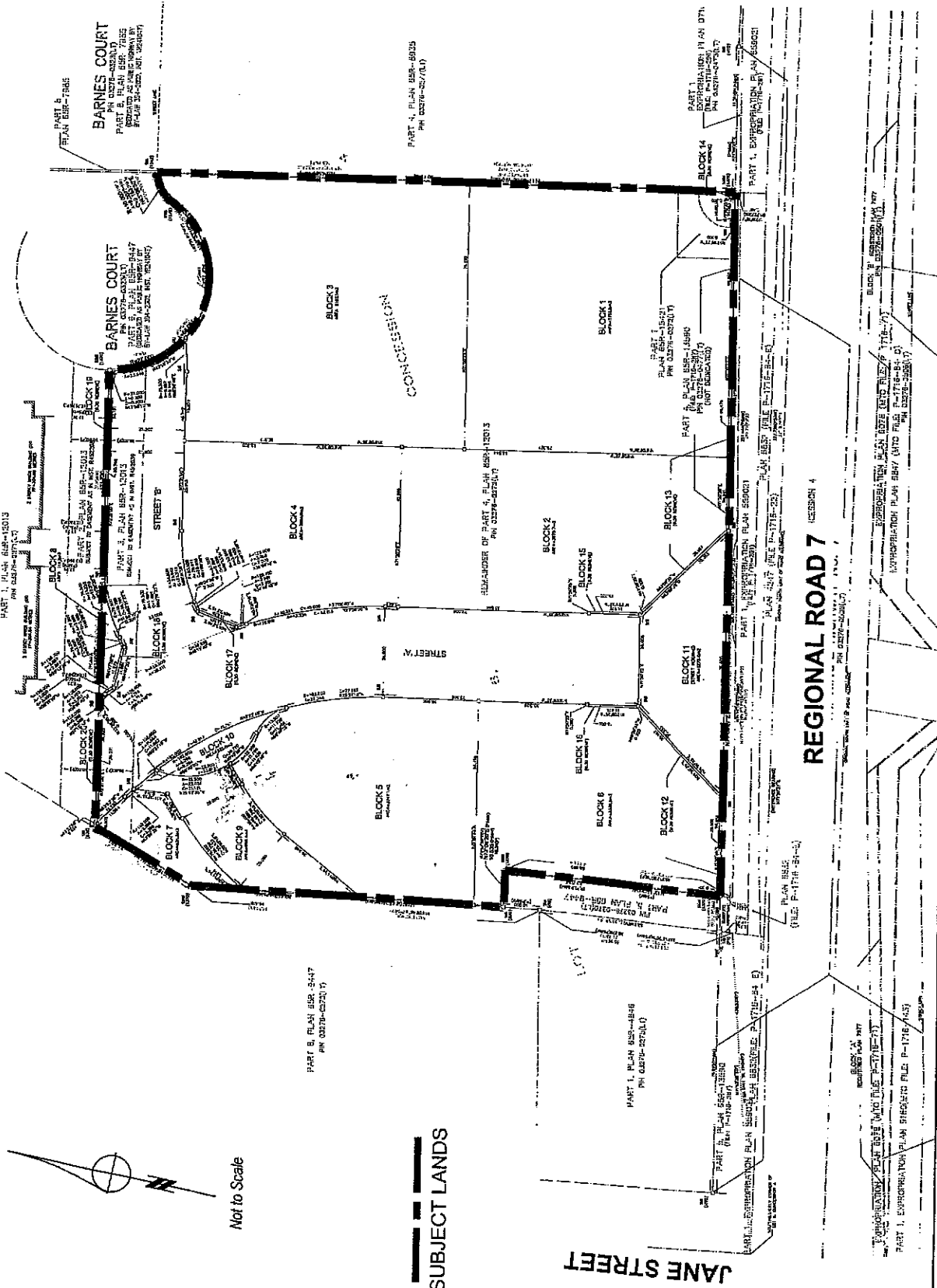


Development Planning Department

Attachment 2

FILE No.:
 19T-00V21 (REVISED)
 & Z.06.051
 RELATED FILE:
 OP.06.019
 August 8, 2006

LOT 5, CONCESSION 4



Revised Draft Plan of Subdivision (19T-00V21)

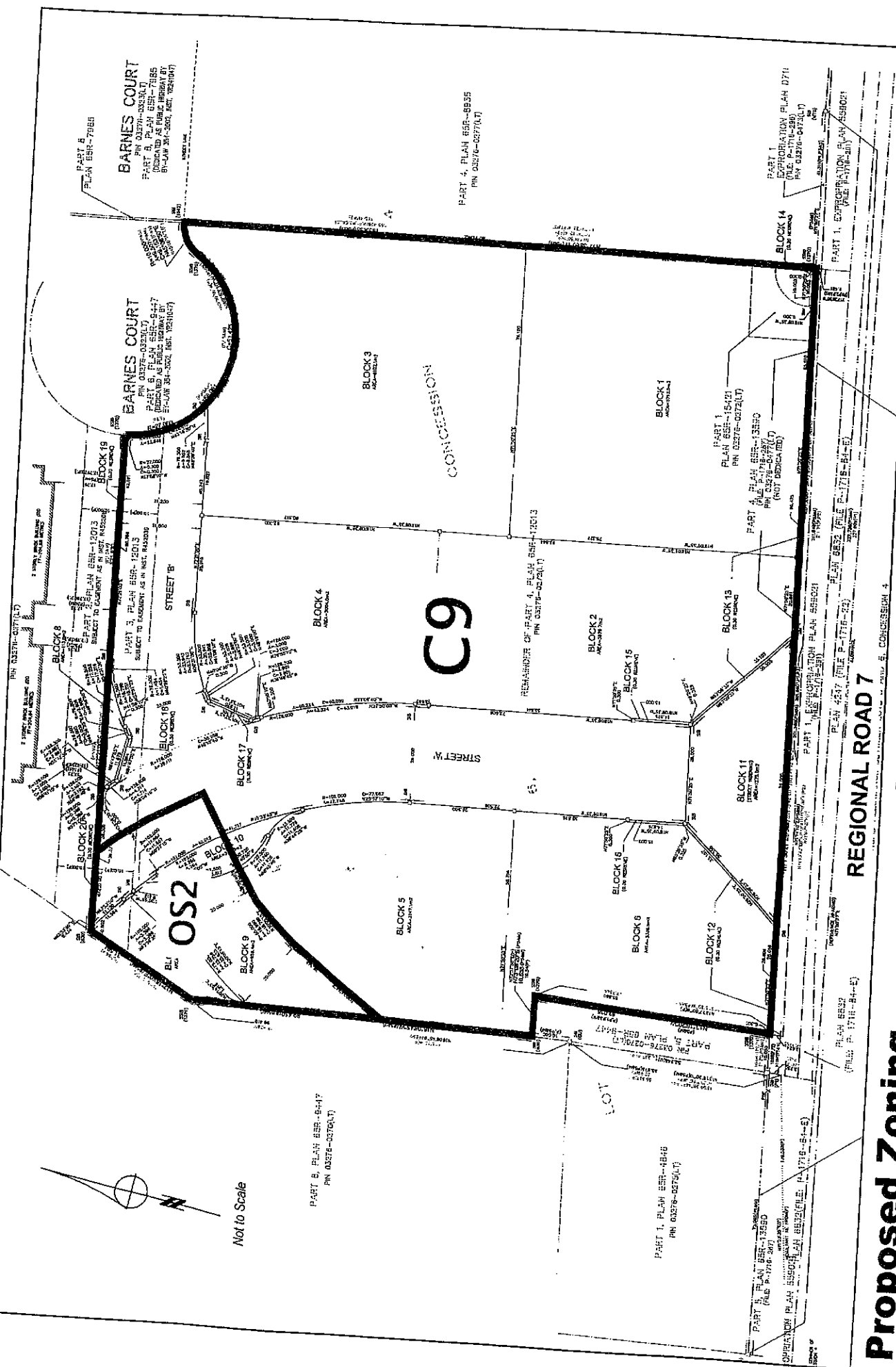
APPLICANT:
ROYAL EMPRESS GARDENS LTD.
Part Lot 6,
Concession 4



Development Planning Department

Attachment 3
FILE No.: 19T-00V21 (REVISED)
& Z.06.051
RELATED FILE: OP.06.019
August 8, 2006

NORTH ATTACHMENT 3 (19T-00V21) 08/08



Attachment
 FILE No.:
 19T-00V21 (REVISED)
 & Z.06.051
 RELATED FILE:
 OP.06.019
 August 8, 2006



Development Planning Department

Proposed Zoning

Part Lot 6,
 Concession 4

APPLICANT:
 ROYAL EMPRESS GARDENS LTD.
 118701 ATTORNEY GENERAL ST. #210 (S)

P. 02/03
Mick AAA

Ministry of Culture
Programs and Services Branch
400 University Avenue
4th Floor
Toronto ON M7A 2R9

Ministère de la Culture
Direction des programmes et des services
400, avenue University
4^e étage
Toronto (ON) M7A 2R9



ario:

TO FILE: AAA

197-00V21

Heritage Operations Unit
Tel: (416) 314-7146 Fax: (416) 314-7175
email: malcolm.home@ontario.ca

November 9, 2006

Marilyn Cornies
AMICK Consultants Limited
760 Walker Street
London ON N5Z 1J4

RE: Recommendation of No Further Concerns for Impacts to Archaeological Resources, Draft Plan of Subdivision, Royal Empress Gardens Inc., Part of Lot 6, Concession 4 (formerly Township of Vaughan), City of Vaughan, AMICK Consultants Limited Corporate Project # 25663, MCL File 19SB694

Dear Ms. Cornies:

This Ministry has reviewed the report entitled "Report on Part of the 2005 Stage 1-2 Archaeological Assessment of the Proposed Draft Plan of Subdivision, Part of Lot 6, Concession 4, City of Vaughan, Regional Municipality of York", (Project Information Form Number P038-192), prepared by AMICK Consultants Limited, dated December, 2005, as per the 1993 Archaeological Assessment Technical Guidelines which set out the information required pursuant to subsections 65(1) and 65(3) of the *Ontario Heritage Act*, R.S.O. 1990, c.O. 18. This letter acknowledges review and approval of the above titled report for licensing purposes.

No archaeological sites were documented. It is recommended that there are no further concerns for impacts to archaeological resources for the subject property. This Ministry concurs with this recommendation.

Given the above, this Ministry is satisfied that concerns for archaeological resources have been met for the subject property as depicted by the plan prepared by Krcmar Surveyors Ltd., Dwg Name: 00-202MP01, dated June 9, 2006, comprising a total area of 3.4746 hectares.

Please note that this letter applies solely to concerns for impacts to archaeological resources. This letter should not be understood to apply to or have reference to any other matter relating to the subject property.

If any expansions to the external boundaries of the subject property are proposed subsequent to this letter, please contact this Ministry to determine whether further archaeological assessment may be required.

If deeply buried cultural remains (including human remains) are discovered during construction activities, this office should be notified immediately.

Should you wish to discuss this matter further, please do not hesitate to contact me.

Sincerely,



Malcolm Horne
Heritage Planner/Archaeologist

cc. Director of Development Planning, City of Vaughan
Stephen Robinson, Cultural Heritage Coordinator, City of Vaughan
Royal Empress Gardens Inc., Toronto
Archaeological Licence Coordinator, MCL