

STAGE 1 ARCHAEOLOGICAL BACKGROUND STUDY & STAGE 2 ARCHAEOLOGICAL PROPERTY ASSESSMENT

Wyandotte & Florence Development

Part of Lot 138, Concession 1 – Geographic Township of Sandwich East

City of Windsor, County of Essex

SUPPLEMENTARY INFORMATION

October 19, 2018

MTCS Archaeological File PIF # P244-0124-2018 | Licensee: Claire Freisenhausen (P244)

*Submitted to Sam Dawood, Principal
Haddad Morgan & Associates Ltd. Consulting Engineers
24 Shepherd Street East | Windsor, ON | N8X 2J8
T: 519-973-1177 ext:20 | M: 519-563-7090 | Sam@HaddadMorgan.com*

CRM Lab Archæological Services

Heritage Management Consultants

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416-937-9003 | info@crmlab.ca | www.crmlab.ca



Additional Information Included:

(1) ADDITIONAL FIGURE

Figure S1: Documented Location of the Nicodemo-Dupuis Site in Relation to Project Development Area with MNRF Buffers and Area of Parkland Conveyance to the City of Windsor.

(2) ADDITIONAL DOCUMENTATION

- A) CRM Lab correspondence with MTCS regarding limited Stage 3 Testing of the Nicodemo-Dupuis Site (AbHr-19)**

(3) ADDITIONAL INFORMATION

- A) Contact information for Mr. Dean Jacobs of Walpole Island FN:**

Director Heritage Centre & Consultation Manager, External Projects Program

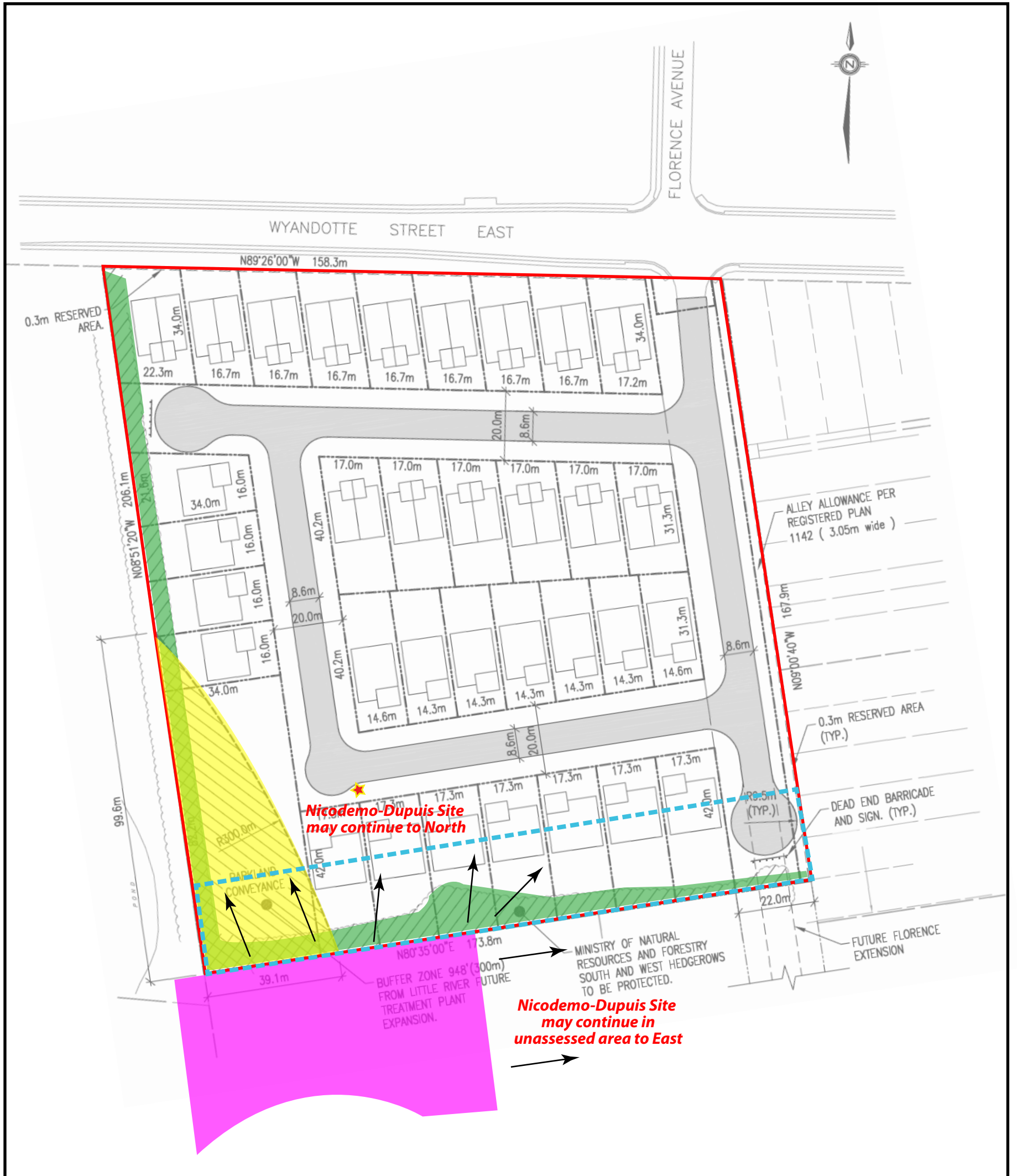
Walpole Island First Nation

R. R. 3 Wallaceburg, Ontario | N8A 4K9

Tel: 519-627-1475 | Fax: 519-627-1530 | email: dean.jacobs@wifn.org

ADDITIONAL SUPPLEMENTARY INFORMATION:

ADDITIONAL FIGURES



Key

- Documented Extent of Nicodemo-Dupuis Site (CRM Lab 2014)
- Archaeological Potential Zone (APZ) Requiring Stage 3 Assessment
- MNR Protected Hedgerows
- City of Windsor Parkland Conveyance
- Property Boundary
- ★
 Location of Lithic (17T: 341862.54E-4688449.66N)

SCALE



East Windsor: Wyandotte & Florence
 Windsor, Ontario
 2018 Stage 1&2 Archaeological Assessment
Figure S1: Documented Location of the
 Nicodemo-Dupuis Site in Relation to
 Project Development Area with MNR
 Buffers & Area of Parkland Conveyance to
 The City of Windsor

ADDITIONAL SUPPLEMENTARY INFORMATION:

Correspondence between MTCS & CRM Lab

Wyandotte and Florence Development

Claire Freisenhausen <claire@crmlab.ca>
To: "Prowse, Shari (MTC)" <Shari.Prowse@ontario.ca>

Thu, Sep 20, 2018 at 5:01 PM

Hi Shari,

Just sending this over to show the extent of the parkland conveyance and MNRF protected hedgerows buffer to be avoided which the client just reminded me about. I'm assuming we'd still need to do additional testing beyond (i.e. north and east) of these areas?

Cheers,

Claire Freisenhausen - MSc, APA, OAS
Principal Investigator & Senior Partner

----- Forwarded message -----

From: Sam Dawood <Sam@haddadmorgan.com>
Date: Thu, Sep 20, 2018 at 4:44 PM
Subject: FW: Wyandotte and Florence Development
To: Claire Freisenhausen <claire@crmlab.ca>

From: Sam Dawood
Sent: May 1, 2018 1:24 PM
To: 'claire@crmlab.ca' <claire@crmlab.ca>
Subject: Wyandotte and Florence Development

Hi Claire,

As discussed attached is the proposed development and the survey plan of the site.

Please let me know if you have any question or need more info

Please forward fee proposal for the stage 1 and 2 archaeological assessment along with delivery schedule.

Regards

Sam Dawood B.Sc. Arch. Eng.

Principal

24 Shepherd St.E.

Windsor, On. N8X 2J8

Tel : (519) 973-1177 ext:20

Cell : (519) 563-7090

Email : Sam@HaddadMorgan.com

3 attachments



 **Wyandotte and Florance Proposed Site Layout.pdf**
148K

 **Wyandotte and Florence Topo.pdf**
630K

Wyandotte and Florence Development

Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
To: Claire Freisenhausen <claire@crmlab.ca>

Wed, Oct 17, 2018 at 1:02 PM

Okay... I will catch you between 12 and 1:30 as I have a meeting prior to that. What number should I call?

Shari Prowse, MA

Archaeology Review Officer

London, Ontario

(519) 675-6898

From: Claire Freisenhausen [mailto:claire@crmlab.ca]

Sent: October 17, 2018 12:56 PM

To: Prowse, Shari (MTCS)

[Quoted text hidden]

[Quoted text hidden]



Claire Freisenhausen <verbene@gmail.com>

Wyandotte and Florence Development

Claire Freisenhausen <claire@crmlab.ca>
To: "Prowse, Shari (MTC)" <Shari.Prowse@ontario.ca>

Wed, Oct 17, 2018 at 2:17 PM

That works! Use the cell: 416-937-9003 :)

C.

[Quoted text hidden]

Wyandotte and Florence Development

Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
To: Claire Freisenhausen <claire@crmlab.ca>

Thu, Oct 18, 2018 at 10:02 AM

My call will be closer to 1:30 as I am stepping out for lunch today. Talk to you then.

Shari Prowse, MA

Archaeology Review Officer

(519) 675-6898

From: Claire Freisenhausen [mailto:claire@crmlab.ca]
Sent: October 17, 2018 2:18 PM
To: Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>

[Quoted text hidden]

[Quoted text hidden]

Wyandotte and Florence Development

Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
To: Claire Freisenhausen <claire@crmlab.ca>

Thu, Oct 18, 2018 at 10:14 AM

Hi Clair,

See my comments highlighted in yellow below. We can discuss during our call.

Shari Prowse, MA

Archaeology Review Officer

(519) 675-6898

>> From: Claire Freisenhausen [mailto:claire@crmlab.ca]
>> Sent: October 17, 2018 11:20 AM
>> To: Prowse, Shari (MTCS)
>> Subject: Re: FW: FW: Wyandotte and Florence Development

>>

>>

>>

>> Hi Shari,

>> I just left you a voicemail, but thought it would be a good idea to send over the last sections of the report with the recc's in it.

>>

>> Let me know when you have a few minutes to chat?

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>> Cheers,

>> Claire

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>> 5.0 ANALYSIS & CONCLUSIONS

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>> The Subject Property known as the Wyandotte and Florence Development, Part of Lot 138, Concession 1 in the Township of East Sandwich to be impacted by the proposed property redevelopment has been the subject of a Stage 1-2 Archaeological Assessment. The current assessment has been conducted in order to fulfill the requirements of The City of Windsor's Planning Department as part of a development condition prior to granting approval for the proposed property redevelopment.

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>> The Stage 1 Background Study was conducted in August of 2018. All Stage 2 excavations (assessment though

test pit and pedestrian survey) were conducted on August 23rd and 24th, 2018. The field assessment layout and strategy were guided by the findings of the Stage 1 Background Study and by the existing site conditions, as well as by the previous archaeological background research and fieldwork conducted by CRM Lab in 2013 and 2014 respectively.

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>> The property known as the Wyandotte and Florence Development was occupied by a series of 20th Century structures to the north with a possible tree farm in the agricultural area and has as such been significantly altered. Displaced fill layers were encountered throughout the test pitted area in the northern portion of the property in the only testable/grassed areas. Further disturbance occurred when Wyandotte Street East was extended to the north of the Subject Property in the 21st century. Given that the area appears to have been a tree farm/orchard in the 1940's, several structures were constructed in the late 20th century, and the impacts to the Subject Property from the extension of Wyandotte Street East the significant degree of subsurface disturbance was not surprising.

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>> The potential for significant cultural occupations had been identified by the proximity of the Nicodemo-Dupuis Site (AbHr-19) and cartographic sources (what do you mean by the last point "cartographic sources"). Potential for Aboriginal and early Euro-Canadian archaeological resources was considered to be high on this property given the location of the subject property within less than 200m proximity to a seasonal creek. The presence of a secondary water source identified the property as having potential for the presence of Aboriginal archaeological resources in undisturbed areas of the property. Further potential was identified in the proximity of the Nicodemo-Dupuis Site (AbHr-19), an Aboriginal site identified as relating to the Archaic and Woodland Periods. This potential has been impacted by significant 20th century disturbances which include the 20th century structures which occupied the northern portion of the property, the Wyandotte Street East extension to the north of the Subject Property and the 1940's agricultural activity identified in the Subject Property.

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>> Neither artifacts nor archaeological features related to either the Euro-Canadian, nor to the Aboriginal period of occupation in the area were recovered in situ during the current portion of the Stage 2 field assessment including both test pit and pedestrian survey, with the exception of a single Kettle Point chert flake.

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>>

>> The results of the current Stage 1-2 Archaeological Assessment indicate that despite the extensive disturbance in the northern portion of the Subject Property, the southern portion of the Subject Property still retains potential for subsurface archaeological resources of cultural heritage value or interest (CHVI) related to the Nicodemo-Dupuis Site located directly to the south of the Subject Property. There is a very high probability that the Nicodemo-Dupuis Site does extend into the southern portion of the Subject Property although no evidence of it was encountered during the Stage 2 field assessment. The planting of the hedges and other activities on the property in this area may have displaced and/or removed some or much of the original artifact bearing soil. Additionally, archaeological sites dating to the Woodland Period in this region may have few artifacts located within the topsoil/ploughzone but may yet contain subsurface cultural features which are only evident during excavations. While it is possible that the Site may have been removed through 20th century agricultural/industrial practices carried out in the Subject Property, further Stage 3 work as recommended by the current report will be required confirm this.

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>> An Archaeological Potential Zone (APZ) – see Figure S1– has been established to delineate the boundaries of the areas requiring further Archaeological Assessment.

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>> 6.0 RECOMMENDATIONS

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> > Given the results of the current Stage 1-2 Archaeological Assessment and the potential for as yet undocumented archaeological resources representing further cultural heritage value or interest (CHVI) related to the Nicodemo-Dupuis Site, the following recommendations have been made:

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> > 1. It is recommended that the subject property be partially cleared of archaeological concerns in areas where subsurface disturbance has been confirmed to sterile subsoil or deeply buried displaced fill deposits (in order to do this you need to recommend partial clearance but since you do not have enough information about how the site extends into the property you cannot do this yet. The area considered to be clear of CHVI can be seen in Figures A8 and S1. Remove all of recommendation 1)

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> > 2. It is furthermore recommended that limited Stage 3 testing take place within a 20m buffer area beyond (north of) the known limits of the Nicodemo-Dupuis Site on the adjacent property. The Stage 3 testing should involve a series of 1x1m test units in the area of this buffer overlap to confirm that the Site does not extend into the subject property.

> >

> > a. If no archaeological resources are found during the Stage 3 testing, the area should be considered sufficiently assessed and no further assessment for the Nicodemo-Dupuis Site within the Subject Property will be required.

> >

> > b. If archaeological resources are found, the limits of the Nicodemo-Dupuis Site will require adjustment to include this area and additional fieldwork, including Stage 4 Site Mitigation, may be required. Stage 4 mitigation may include an avoidance and long-term protection strategy which would reduce or eliminate additional (Stage 4) fieldwork; this is MTCS's preference (see Section 4.1 of the 2011 Standards & Guidelines).

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> > 3. A Ministry of Natural Resources & Forestry (MNRF) protected area and the lands depicted as "parkland conveyance" overlap a portion of this 20m buffer for the Nicodemo-Dupuis Site (see Figures A3, A8 & S1). Testing in these two areas can be avoided as per Section 4.1.4 of the Standards & Guidelines as follows:

> >

> > a. In the case of the MNRF protected area, the testing can be reduced to beyond (north of) this area if it can be demonstrated that:

> >

> > i. The proposed MNRF protected area for the hedgerow will prohibit all impacts prior to an Archaeological assessment, and;

> >

> > ii. MNRF acknowledges that they are aware of the presence of the Nicodemo-Dupuis Site and will protect it (add and ensure that the assessments are undertaken prior to impact). As such, the test units could then commence within what remains of the buffer to the north of this protected area.

[Quoted text hidden]



Claire Freisenhausen <verbene@gmail.com>

Wyandotte and Florence Development

Claire Freisenhausen <claire@crmlab.ca>

Thu, Oct 18, 2018 at 11:09 AM

To: "Prowse, Shari (MTC)" <Shari.Prowse@ontario.ca>

Hi Shari,

I actually have to step out myself at 1:30, but I'll be back by 3:30. Can we talk then? I'll take a look at the comments now!

C.

[Quoted text hidden]

Wyandotte and Florence Development

Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
To: Claire Freisenhausen <claire@crmlab.ca>

Thu, Oct 18, 2018 at 11:13 AM

I will catch you then during those times.

Shari Prowse, MA

Archaeology Review Officer

(519) 675-6898

From: Claire Freisenhausen [mailto:claire@crmlab.ca]

Sent: October 18, 2018 11:09 AM

[Quoted text hidden]

[Quoted text hidden]

Wyandotte and Florence Development

Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
To: Claire Freisenhausen <claire@crmlab.ca>

Thu, Oct 18, 2018 at 1:42 PM

We will have to reschedule if need as I am not available at that time anymore. Sometime tomorrow will work for me.

Shari Prowse, MA

Archaeology Review Officer

(519) 675-6898

From: Claire Freisenhausen [mailto:claire@crmlab.ca]

Sent: October 18, 2018 11:09 AM

[Quoted text hidden]

[Quoted text hidden]

Wyandotte and Florence Development

Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
To: Claire Freisenhausen <claire@crmlab.ca>

Fri, Oct 19, 2018 at 8:20 AM

I am in the office. Call me when you are ready to discuss.

519 675-6898

Shari Prowse, MA

Archaeology Review Officer

(519) 675-6898

From: Claire Freisenhausen [mailto:claire@crmlab.ca]
Sent: October 18, 2018 1:47 PM
To: Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
Subject: Re: Wyandotte and Florence Development

Hi Shari,

That's not a problem! How about I give you a buzz in the morning tomorrow?

C.

Sent from my iPhone

[Quoted text hidden]

Wyandotte and Florence Development

Claire Freisenhausen <claire@crmlab.ca>
To: "Prowse, Shari (MTC)" <Shari.Prowse@ontario.ca>

Fri, Oct 19, 2018 at 10:55 AM

Hi Shari,
Thanks for the chat this morning! Here is the rejigged section with the changes in **RED**:

Cheers,
C.

5.0 ANALYSIS & CONCLUSIONS

The Subject Property known as the Wyandotte and Florence Development, Part of Lot 138, Concession 1 in the Township of East Sandwich to be impacted by the proposed property redevelopment has been the subject of a Stage 1-2 Archaeological Assessment. The current assessment has been conducted in order to fulfill the requirements of The City of Windsor's Planning Department as part of a development condition prior to granting approval for the proposed property redevelopment.

The Stage 1 Background Study was conducted in August of 2018. **All Stage 2 fieldwork (test pit and pedestrian survey)** was conducted on August 23rd and 24th, 2018. The field assessment layout and strategy were guided by the findings of the Stage 1 Background Study and by the existing site conditions, as well as by the previous archaeological background research and fieldwork conducted by CRM Lab in 2013 and 2014 respectively.

The property known as the Wyandotte and Florence Development was occupied by a series of 20th Century structures to the north with a possible tree farm in the agricultural area and has as such been significantly altered. Displaced fill layers were encountered throughout the test pitted area in the northern portion of the property in the only testable/grassed areas. Further disturbance occurred when Wyandotte Street East was extended to the north of the Subject Property in the 21st century. Given that the area appears to have been a tree farm/orchard in the 1940's, several structures were constructed in the late 20th century, and the impacts to the Subject Property from the extension of Wyandotte Street East the significant degree of subsurface disturbance was not surprising.

The potential for significant cultural occupations had been identified by the proximity of the Nicodemo-Dupuis Site (AbHr-19) **and the historic background research**. Potential for Aboriginal and early Euro-Canadian archaeological resources was considered to be high on this property given the location of the subject property within less than 200m proximity to a seasonal creek. The presence of a secondary water source identified the property as having potential for the presence of Aboriginal archaeological resources in undisturbed areas of the property. Further potential was identified in the proximity of the Nicodemo-Dupuis Site (AbHr-19), an Aboriginal site identified as relating to the Archaic and Woodland Periods. This potential has been impacted by significant 20th century disturbances which include the 20th century structures which occupied the northern portion of the property, the Wyandotte Street East extension to the north of the Subject Property and the 1940's agricultural activity identified in the Subject Property.

Neither artifacts nor archaeological features related to either the Euro-Canadian, nor to the Aboriginal period of occupation in the area were recovered in situ during the current portion of the Stage 2 field assessment including both test pit and pedestrian survey, with the exception of a single Kettle Point chert flake.

The results of the current Stage 1-2 Archaeological Assessment indicate that despite the extensive disturbance in the northern portion of the Subject Property, the southern portion of the Subject Property still retains potential for subsurface archaeological resources of cultural heritage value or interest (CHVI) related to the Nicodemo-Dupuis Site located directly to the south of the Subject Property. **There is a very high probability that the Nicodemo-Dupuis Site does extend into the southern portion of the Subject Property although no evidence of it was encountered during the Stage 2 field assessment. Furthermore, given that the property to the south was not completely assessed there remains a high likelihood based on the previous avocational work of Mr. Dupuis that the Nicodemo-Dupuis Site continues both east and north of the known site limits as identified in 2014 (CRM Lab).** The planting of the hedges and other activities on the property in this area may have displaced and/or removed some or much of the original artifact bearing soil. Additionally, archaeological sites dating to the Woodland Period in this region may have few artifacts located within the topsoil/ploughzone but may yet contain subsurface cultural features which are only evident during excavations. While it is possible that the Site may have been removed through 20th century agricultural/industrial practices carried out in the Subject Property, further Stage 3 work as recommended by the current report will be required confirm this.

An Archaeological Potential Zone (APZ) – see **Figures A9 & S1**– has been established to delineate the boundaries of the areas requiring further Archaeological Assessment.

6.0 RECOMMENDATIONS

Given the results of the current Stage 1-2 Archaeological Assessment and the potential for as yet undocumented archaeological resources representing further cultural heritage value or interest (CHVI) related to the Nicodemo-Dupuis Site, the following recommendations have been made:

(original Recc #1 has been removed)

1. It is recommended that limited Stage 3 testing take place within a 20m buffer area beyond (north of) the known limits of the Nicodemo-Dupuis Site on the adjacent property to the south, **AND continuing across the entire southern end of the Subject Property given that there remains a high likelihood that the Nicodemo-Dupuis Site continues to the east and to the north of the known site limits.** The Stage 3 testing should involve a series of 1x1m test units in the area of this buffer overlap to confirm that the Site *does not extend into the subject property*.
 - a. If no archaeological resources are found during the Stage 3 testing, the area should be considered sufficiently assessed and no further assessment for the **Nicodemo-Dupuis Site** within the Subject Property will be required.
 - b. If archaeological resources are found, the limits of the Nicodemo-Dupuis Site will require adjustment to include this area and additional fieldwork, including Stage 4 Site Mitigation, may be required. Stage 4 mitigation may include an avoidance and long-term protection strategy which would reduce or eliminate additional **(Stage 4)** fieldwork; this is MTCS's preference (see Section 4.1 of the 2011 Standards & Guidelines).
2. A Ministry of Natural Resources & Forestry (MNRF) protected area and the lands depicted as “parkland conveyance” overlap a portion of this 20m buffer for the Nicodemo-Dupuis Site (see **Figures A3, A9 & S1**). Testing in these two areas can be avoided as per Section 4.1.4 of the Standards

& Guidelines as follows:

- a. In the case of the MNR protected area, the testing can be reduced to beyond (north of) this area if it can be demonstrated that:**
 - i. The proposed MNR protected area for the hedgerow will prohibit all impacts prior to an Archaeological Assessment, and;**
 - ii. MNR acknowledges that they are aware of the presence of the Nicodemo-Dupuis Site and will protect it and ensure that the **Assessments are undertaken prior to impact**. As such, the test units could then commence within what remains of the buffer to the north of this protected area.**
- b. Testing in the area of overlap with the 20m Site buffer and the “parkland conveyance” can be avoided if it can be confirmed that (as per Section 4.1.4 of the Standards & Guidelines):**
 - i. The lands will be conveyed to the Municipality and that the Municipality is aware of the potential for the Nicodemo-Dupuis Site to be present in this location, and;**
 - ii. The Municipality will keep this area passive prohibiting activities that could impact the Nicodemo-Dupuis Site negatively within this Buffer area prior to additional Archaeological Assessment.**

3. Recommended Test Unit Placement:

- a. If the protective provisions for the hedgerow apply for the Site, the protected area varies from 8 to 15m in width (north to south). Therefore, a minimum of two rows of test units north of the hedgerow at a 5m interval (offset by 2.5 metres) beginning at the edge of the hedgerow where it is between 8 to 10 metres, and one row of test units at a 5m interval just beyond where it is 15m wide.**
- b. If the conditions above are not met for protecting the Buffer area within the hedgerow or the “parkland conveyance”, the test units should begin between 2.5 and 5m north of the southern property line (where the hedges will allow) and consist of two rows at a five metre interval (offset at a 2.5 metre interval).**

4. In addition to the above, Walpole Island First Nation should be engaged regarding the Stage 3 work plan and any short or long-term avoidance and protection strategy at Stage 3 or Stage 4 given that they have expressed interest in the Site, were engaged in the fieldwork of the portion of the Site to the south, and a component of this Site dates to the Woodland period (see MTCS Bulletin *Engaging Aboriginal Communities in Archaeology* Standard 2).

5. Other strategies for avoiding this Stage 3 fieldwork include removing the 20m Site Buffer area out of the development plans altogether or conveying this Buffer area to an appropriate land holding body that will ensure the area is protected long-term from activities that will negatively impact Archaeological Sites (see Section 4.1.4 of the Standards & Guidelines). The latter strategy will need to be acceptable to the Approval Authority.

[Quoted text hidden]

Wyandotte and Florence Development

Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
To: Claire Freisenhausen <claire@crmlab.ca>

Fri, Oct 19, 2018 at 11:02 AM

Hi Claire,

This is as we discussed. If you require additional assistance, please get back to me.

Shari Prowse, MA

Archaeology Review Officer

(519) 675-6898

From: Claire Freisenhausen [mailto:claire@crmlab.ca]
Sent: October 19, 2018 10:56 AM
To: Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
Subject: Re: Wyandotte and Florence Development

[Quoted text hidden]

Wyandotte and Florence Development

Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
To: Claire Freisenhausen <claire@crmlab.ca>
Cc: "Archaeology (MTCS)" <archaeology@ontario.ca>

Fri, Sep 21, 2018 at 9:03 AM

Hi Clair,

Even if Stage 2 is negative for artifacts we generally require Stage 3 testing adjacent to a site where the limits are not known with any certainty, which is the case here, or the property falls within the site's 20 metre buffer after the limits of the site defined by Stage 2. Here is the advice we provide in these circumstances:

We would expect a series of test units in the area of buffer overlap to confirm that the site does not extend there. For the area of the five meter overlap, we recommend you excavate one row of units at a five metre interval at the overlap/property boundary. For the 10 metre area of overlap, we recommend you excavate two rows of units at a 5 metre interval in a staggered (offset at 2.5 metres) pattern closest to overlap/property boundary. If you don't find anything, the area should be considered not to require any additional assessment. If you do find materials, the limits of the site will need to be adjusted and more work may be required.

We can discuss the extent of test units to be excavated based on the size of this MNR buffer as the testing would be carried out beyond the limits of this. Can you sketch the site on these maps and confirm the size of the buffer adjacent to this and send it to me.

This advice has been provided by MTCS under the assumption that the information submitted by the licensed archaeologist is complete and accurate. The advice provided applies only to the project in question and is not to be used as a precedent for future projects. Further measures may need to be taken in the event that additional artifacts or archaeological sites are identified or if the information provided by the licensed archaeologist is otherwise found to be inaccurate, incomplete, misleading, or fraudulent.

Please include a PDF copy of this advice as supplementary documentation to your project report package.

Shari Prowse, MA

Archaeology Review Officer

(519) 675-6898

From: Claire Freisenhausen [mailto:claire@crmlab.ca]
Sent: September 20, 2018 5:02 PM
To: Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
Subject: Fwd: FW: Wyandotte and Florence Development

[Quoted text hidden]

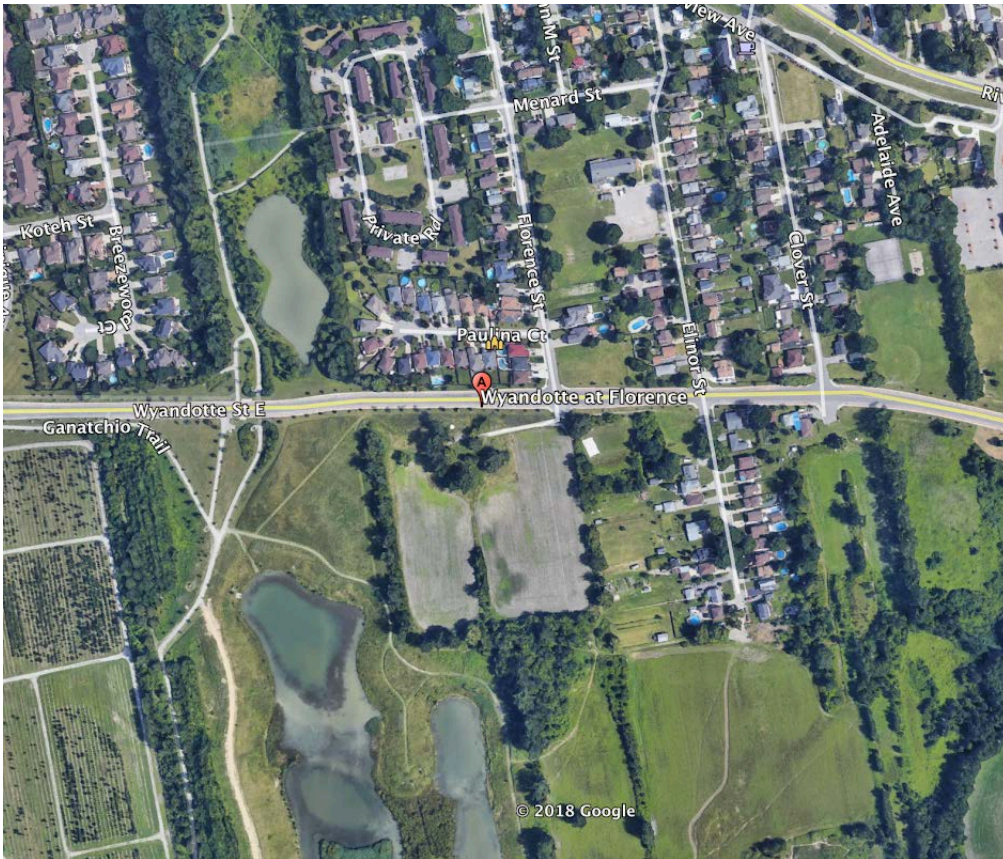
Wyandotte and Florence Development

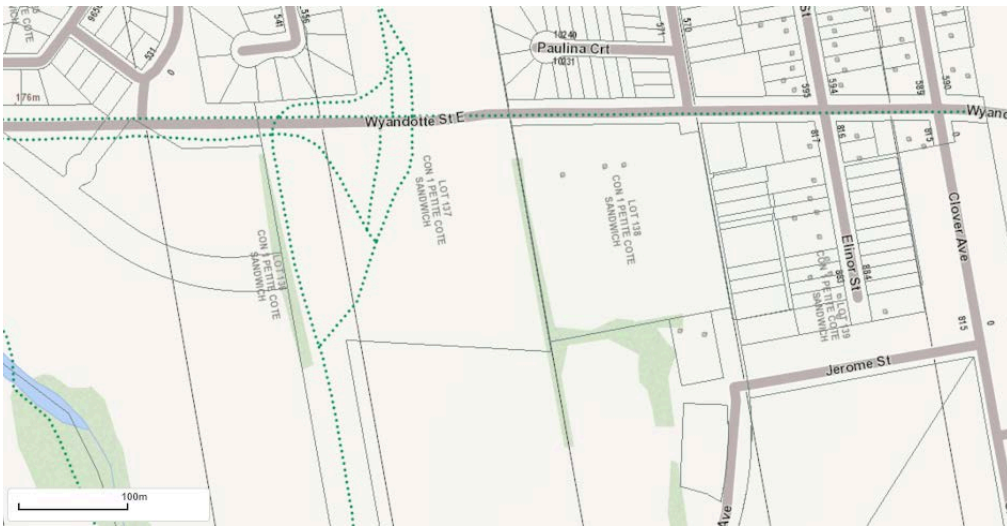
Claire Freisenhausen <claire@crmlab.ca>
To: "Prowse, Shari (MTC)" <Shari.Prowse@ontario.ca>

Fri, Sep 21, 2018 at 2:24 PM

Hi Shari,
Thanks for this! Please see attached - I hope it all makes sense. I'm around until about 4:30 if you have time to chat today, otherwise we can discuss on Monday!

Cheers,
C.





Claire Freisenhausen - MSc, APA, OAS
Principal Investigator & Senior Partner



CRM Lab Archaeological Services

242 Joicey Boulevard - Suite 200

Toronto, ON M5M 2V7

tel: 416-937-9003 www.crmlab.ca



[Quoted text hidden]

2 attachments

 **Site Loc with Dev Plan_Buffers.pdf**
853K

 **A2 Site Location LIO.pdf**
2670K

Wyandotte and Florence Development

Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
To: Claire Freisenhausen <claire@crmlab.ca>

Fri, Sep 21, 2018 at 3:12 PM

Monday it is. I am out the door in a bit. Have a great weekend.

Shari Prowse, MA

Archaeology Review Officer

(519) 675-6898

From: Claire Freisenhausen [mailto:claire@crmlab.ca]
Sent: September 21, 2018 2:24 PM
To: Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
Subject: Re: FW: Wyandotte and Florence Development

Hi Shari,

Thanks for this! Please see attached - I hope it all makes sense. I'm around until about 4:30 if you have time to chat today, otherwise we can discuss on Monday!

Cheers,

C.



Claire Freisenhausen - MSc, APA, OAS

Principal Investigator & Senior Partner



CRM Lab Archaeological Services

242 Joicey Boulevard - Suite 200

Toronto, ON M5M 2V7



On Fri, Sep 21, 2018 at 9:03 AM Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca> wrote:

[Quoted text hidden]

Wyandotte and Florence Development

Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
To: Claire Freisenhausen <claire@crmlab.ca>

Mon, Sep 24, 2018 at 9:19 AM

Hi Clair,

When is a good time to call? I just tried your number but got your answering service.

Shari Prowse, MA

Archaeology Review Officer

(519) 675-6898

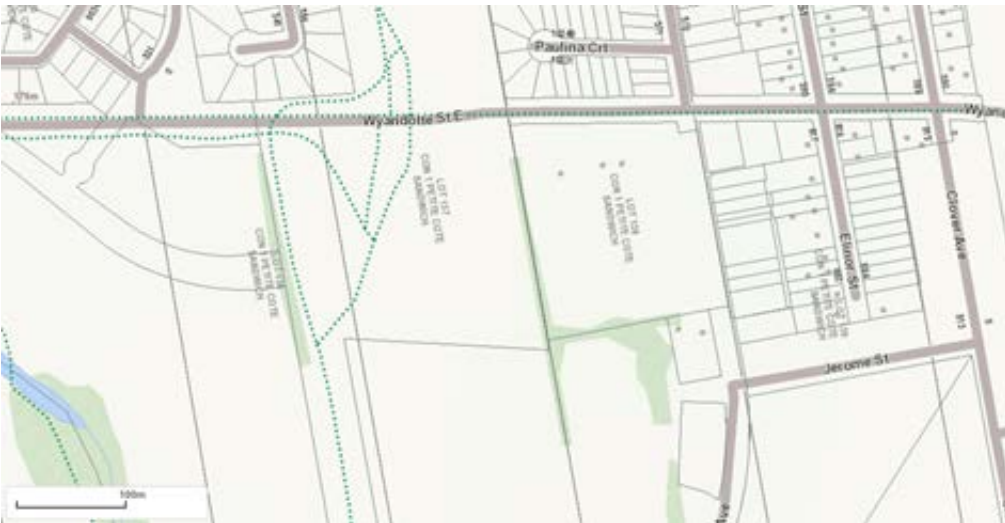
From: Claire Freisenhausen [mailto:claire@crmlab.ca]
Sent: September 21, 2018 2:24 PM
To: Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
Subject: Re: FW: Wyandotte and Florence Development

Hi Shari,

Thanks for this! Please see attached - I hope it all makes sense. I'm around until about 4:30 if you have time to chat today, otherwise we can discuss on Monday!

Cheers,

C.



Claire Freisenhausen - MSc, APA, OAS

Principal Investigator & Senior Partner



CRM Lab Archaeological Services

242 Joicey Boulevard - Suite 200

Toronto, ON M5M 2V7



On Fri, Sep 21, 2018 at 9:03 AM Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca> wrote:

[Quoted text hidden]

Wyandotte and Florence Development

Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
To: Claire Freisenhausen <claire@crmlab.ca>
Cc: "Archaeology (MTCS)" <archaeology@ontario.ca>

Tue, Sep 25, 2018 at 10:38 AM

Hi Claire,

I have taken a look at what you have provided and incorporated the information we discussed during our call yesterday and can provide the following advice:

There is a very high probability that the Dupuis/Nicodemo site does extend into southern portion of the subject property even though you did not find any evidence of it during the Stage 2 assessment. The planting of the hedges and other activities on the property in this area could have displaced and/or removed some of the original artifact bearing soil. Additionally, archaeological sites dating to the Woodland period in this area can have few artifacts in the topsoil/plough zone but many subsurface cultural features that are only apparent during excavations.

We would expect under these circumstances that limited Stage 3 testing take place within the 20 metre buffer area beyond (north of) the known limits of this site in the adjacent property. The Stage 3 testing would involve a series of test units in the area of this buffer overlap to confirm that the site does not extend into the subject property. If you do not find anything during the Stage 3 testing, the area should be considered sufficiently assessed and no further assessment for this site within this property will be required. If you do find archaeological resources, the limits of the site will need to be adjusted to include this area and more fieldwork, including Stage 4 mitigation, may be required. Stage 4 mitigation can include an avoidance and long-term protection strategy which could reduce or eliminate additional fieldwork, which is MTCS's preference (see Section 4.1 of the S and Gs).

An MNRF protected area and the lands depicted as "parkland conveyance" overlap a portion of this 20 metre buffer for the site. Testing in these areas can be avoided as per Section 4.1.4 of the S and Gs. In the case of the MNRF protected area, the testing can be reduced to beyond (north of) this area if it can be demonstrated that 1) the proposed MNRF protected area for the hedgerow will prohibit all impacts prior to an archaeological assessment and 2) MNRF acknowledges that they are aware of the site and will protect it. As such, the tests units could then begin within what remains of the buffer to the north of this protected area.

Testing in the area of overlap with the 20 metre site buffer and the "parkland convenience" can be avoided if it can be confirmed that (as per Section 4.1.4) 1) the lands will be conveyed to the municipality and 2) they are aware of the potential for the site to be present here and 2) will keep this area passive prohibiting activities that could impact the site negatively within this buffer area prior to additional archaeological assessment.

Recommended Test Unit Placement

If the protective provisions for the hedgerow apply for the site, the protected area varies from 8 to 15 metres in width (north to

south), therefore, we would expect a minimum of two rows of test units north of the hedgerow at a five metre interval (offset by 2.5 metres) beginning at the edge of the hedgerow where it is between 8 to 10 metres, and one row of test units at a five metre interval just beyond where it is 15 metres wide. If the conditions above are not met for protecting the buffer area within the hedgerow or the “parkland conveyance”, the test units should begin between 2.5 and 5 metres north of the southern property line (where the hedges will allow) and consist of two rows at a five metre interval (offset at a 2.5 metre interval).

In addition to the above Walpole Island First Nation should be engaged regarding the Stage 3 work plan and any short or long-term avoidance and protected strategy at this Stage or Stage 4 given that they have expressed interest in the site, were engaged in the fieldwork of the portion of the site to the south, and a component of this site dates to the Woodland period (see bulletin *Engaging Aboriginal Communities in Archaeology Standard 2*).

Other strategies for avoiding this Stage 3 fieldwork include taking the 20 metres site buffer area out of the development plans altogether or conveying this buffer area to an appropriate land holding body that will ensure the area is protected long-term from activities that will negatively impact archaeological sites (see Section 4.1.4 of the S and Gs). The latter strategy will need to be acceptable to the approval authority.

I trust this is useful. Please get back to me if you would like to discuss further.

Shari Prowse, MA

Archaeology Review Officer

(519) 675-6898

From: Prowse, Shari (MTCS)
Sent: September 24, 2018 9:19 AM
To: 'Claire Freisenhausen' <claire@crmlab.ca>
Subject: RE: FW: Wyandotte and Florence Development

Hi Clair,

When is a good time to call? I just tried your number but got your answering service.

Shari Prowse, MA

Archaeology Review Officer

(519) 675-6898

From: Claire Freisenhausen [<mailto:claire@crmlab.ca>]

Sent: September 21, 2018 2:24 PM

To: Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>

Subject: Re: FW: Wyandotte and Florence Development

Hi Shari,

Thanks for this! Please see attached - I hope it all makes sense. I'm around until about 4:30 if you have time to chat today, otherwise we can discuss on Monday!

Cheers,

C.





Claire Freisenhausen - MSc, APA, OAS

Principal Investigator & Senior Partner



CRM Lab Archaeological Services

242 Joicey Boulevard - Suite 200

Toronto, ON M5M 2V7

tel: 416-937-9003 www.crmlab.ca



On Fri, Sep 21, 2018 at 9:03 AM Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca> wrote:

[Quoted text hidden]

Wyandotte and Florence Development

Claire Freisenhausen <claire@crmlab.ca>
To: "Prowse, Shari (MTC)" <Shari.Prowse@ontario.ca>

Wed, Oct 17, 2018 at 11:20 AM

Hi Shari,

I just left you a voicemail, but thought it would be a good idea to send over the last sections of the report with the recc's in it.

Let me know when you have a few minutes to chat?

Cheers,
Claire

5.0 ANALYSIS & CONCLUSIONS

The Subject Property known as the Wyandotte and Florence Development, Part of Lot 138, Concession 1 in the Township of East Sandwich to be impacted by the proposed property redevelopment has been the subject of a Stage 1-2 Archaeological Assessment. The current assessment has been conducted in order to fulfill the requirements of The City of Windsor's Planning Department as part of a development condition prior to granting approval for the proposed property redevelopment.

The Stage 1 Background Study was conducted in August of 2018. All Stage 2 excavations were conducted on August 23rd and 24th, 2018. The field assessment layout and strategy were guided by the findings of the Stage 1 Background Study and by the existing site conditions, as well as by the previous archaeological background research and fieldwork conducted by CRM Lab in 2013 and 2014 respectively.

The property known as the Wyandotte and Florence Development was occupied by a series of 20th Century structures to the north with a possible tree farm in the agricultural area and has as such been significantly altered. Displaced fill layers were encountered throughout the test pitted area in the northern portion of the property in the only testable/grassed areas. Further disturbance occurred when Wyandotte Street East was extended to the north of the Subject Property in the 21st century. Given that the area appears to have been a tree farm/orchard in the 1940's, several structures were constructed in the late 20th century, and the impacts to the Subject Property from the extension of Wyandotte Street East the significant degree of subsurface disturbance was not surprising.

The potential for significant cultural occupations had been identified by the proximity of the Nicodemo-Dupuis Site (AbHr-19) and cartographic sources. Potential for Aboriginal and early Euro-Canadian archaeological resources was considered to be high on this property given the location of the subject property within less than 200m proximity to a seasonal creek. The presence of a secondary water source identified the property as having potential for the presence of Aboriginal archaeological resources in undisturbed areas of the property. Further potential was identified in the proximity of the Nicodemo-Dupuis Site (AbHr-19), an Aboriginal site identified as relating to the Archaic and Woodland Periods. This potential has been impacted by significant 20th century disturbances which include the 20th century structures which occupied the northern

portion of the property, the Wyandotte Street East extension to the north of the Subject Property and the 1940's agricultural activity identified in the Subject Property.

Neither artifacts nor archaeological features related to either the Euro-Canadian, nor to the Aboriginal period of occupation in the area were recovered in situ during the current portion of the Stage 2 field assessment including both test pit and pedestrian survey, with the exception of a single Kettle Point chert flake.

The results of the current Stage 1-2 Archaeological Assessment indicate that despite the extensive disturbance in the northern portion of the Subject Property, the southern portion of the Subject Property still retains potential for subsurface archaeological resources of cultural heritage value or interest (CHVI) related to the Nicodemo-Dupuis Site located directly to the south of the Subject Property. There is a very high probability that the Nicodemo-Dupuis Site **does extend** into the southern portion of the Subject Property although no evidence of it was encountered during the Stage 2 field assessment. The planting of the hedges and other activities on the property in this area may have displaced and/or removed some or much of the original artifact bearing soil. Additionally, archaeological sites dating to the Woodland Period in this region may have few artifacts located within the topsoil/ploughzone but may yet contain subsurface cultural features which are only evident during excavations. While it is possible that the Site may have been removed through 20th century agricultural/industrial practices carried out in the Subject Property, further Stage 3 work as recommended by the current report will be required confirm this.

An Archaeological Potential Zone (APZ) – see **Figure S1**– has been established to delineate the boundaries of the areas requiring further Archaeological Assessment.

6.0 RECOMMENDATIONS

Given the results of the current Stage 1-2 Archaeological Assessment and the potential for as yet undocumented archaeological resources representing further cultural heritage value or interest (CHVI) related to the Nicodemo-Dupuis Site, the following recommendations have been made:

- 1. It is recommended that the subject property be *partially* cleared of archaeological concerns in areas where subsurface disturbance has been confirmed to sterile subsoil or deeply buried displaced fill deposits. The area considered to be clear of CHVI can be seen in Figures A8 and S1.**
- 2. It is furthermore recommended that limited Stage 3 testing take place within a 20m buffer area beyond (north of) the known limits of the Nicodemo-Dupuis Site on the adjacent property. The Stage 3 testing should involve a series of 1x1m test units in the area of this buffer overlap to confirm that the Site *does not extend into the subject property*.**
 - a. If no archaeological resources are found during the Stage 3 testing, the area should be considered sufficiently assessed and no further assessment for the Nicodemo-Dupuis Site within the Subject Property will be required.**
 - b. If archaeological resources are found, the limits of the Nicodemo-Dupuis Site will require adjustment to include this area and additional fieldwork, including Stage 4 Site Mitigation, may be required. Stage 4 mitigation may include an avoidance and long-term protection strategy which would reduce or eliminate additional fieldwork; this is MTCS's preference (see Section 4.1 of the 2011 Standards & Guidelines).**
- 3. A Ministry of Natural Resources & Forestry (MNRF) protected area and the lands depicted as "parkland conveyance" overlap a portion of this 20m buffer for the Nicodemo-Dupuis Site (see**

Figures A3, A8 & S1). Testing in these two areas can be avoided as per Section 4.1.4 of the Standards & Guidelines as follows:

- a. In the case of the MNRF protected area, the testing can be reduced to beyond (north of) this area if it can be demonstrated that:
 - i. The proposed MNRF protected area for the hedgerow will prohibit all impacts prior to an Archaeological assessment, and;
 - ii. MNRF acknowledges that they are aware of the presence of the Nicodemo-Dupuis Site and will protect it. As such, the test units could then commence within what remains of the buffer to the north of this protected area.
- b. Testing in the area of overlap with the 20m Site buffer and the “parkland conveyance” can be avoided if it can be confirmed that (as per Section 4.1.4 of the Standards & Guidelines):
 - i. The lands will be conveyed to the Municipality and that the Municipality is aware of the potential for the Nicodemo-Dupuis Site to be present in this location, and;
 - ii. The Municipality will keep this area passive prohibiting activities that could impact the Nicodemo-Dupuis Site negatively within this Buffer area prior to additional Archaeological assessment.

4. Recommended Test Unit Placement:

- a. If the protective provisions for the hedgerow apply for the Site, the protected area varies from 8 to 15m in width (north to south). Therefore, a minimum of two rows of test units north of the hedgerow at a 5m interval (offset by 2.5 metres) beginning at the edge of the hedgerow where it is between 8 to 10 metres, and one row of test units at a 5m interval just beyond where it is 15m wide.
- b. If the conditions above are not met for protecting the Buffer area within the hedgerow or the “parkland conveyance”, the test units should begin between 2.5 and 5m north of the southern property line (where the hedges will allow) and consist of two rows at a five metre interval (offset at a 2.5 metre interval).

5. In addition to the above, Walpole Island First Nation should be engaged regarding the Stage 3 work plan and any short or long-term avoidance and protection strategy at Stage 3 or Stage 4 given that they have expressed interest in the Site, were engaged in the fieldwork of the portion of the Site to the south, and a component of this Site dates to the Woodland period (see MTCS Bulletin *Engaging Aboriginal Communities in Archaeology* Standard 2).

6. Other strategies for avoiding this Stage 3 fieldwork include removing the 20m Site Buffer area out of the development plans altogether or conveying this Buffer area to an appropriate land holding body that will ensure the area is protected long-term from activities that will negatively impact Archaeological Sites (see Section 4.1.4 of the Standards & Guidelines). The latter strategy will need to be acceptable to the Approval Authority.

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> Claire Freisenhausen - MSc, APA, OAS
>
> Principal Investigator & Senior Partner
>
> CRM Lab Archaeological Services
>
> 242 Joicey Boulevard - Suite 200
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> Toronto, ON M5M 2V7
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> tel: 416-937-9003 www.crmlab.ca

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2 attachments



image001.png
489K



image002.png
124K

Wyandotte and Florence Development

Prowse, Shari (MTCS) <Shari.Prowse@ontario.ca>
To: Claire Freisenhausen <claire@crmlab.ca>

Wed, Oct 17, 2018 at 11:39 AM

Hi Claire,

I will take a look at this tomorrow. Let me know when you will be around and I will call...give me number to call too.

Shari Prowse, MA

Archaeology Review Officer

London, Ontario

(519) 675-6898

From: Claire Freisenhausen [mailto:claire@crmlab.ca]

Sent: October 17, 2018 11:20 AM

To: Prowse, Shari (MTCS)

Subject: Re: FW: FW: Wyandotte and Florence Development

[Quoted text hidden]



Claire Freisenhausen <verbene@gmail.com>

Wyandotte and Florence Development

Claire Freisenhausen <claire@crmlab.ca>

Wed, Oct 17, 2018 at 12:56 PM

To: "Prowse, Shari (MTC)" <Shari.Prowse@ontario.ca>

Hi Shari,

I'm around all morning and until about 1:30, then I'll be back around 3:30. You can call the cell: 416-937-9003

Thanks!

C.

[Quoted text hidden]