



7.1(c)(c) Landscape Architectural Services

HAMILTON FUTURE FUND PROGRESS REPORT No. 3

Project Title:	Albion Falls South Viewing Platform and Access	Date Agreement Signed by General Manager of Public Works:	March 28, 2018
Report Prepared By:	Louise Thomassin, Landscape Architect – Project Manager	Expiry Date of HFF Agreement:	March 28, 2020
Date of Report:	June 05, 2019	Reporting Period:	January 2019 - June 2019
General Purpose:	Progress of works funded by HFF (Environmental Impact Statement Report, Geotechnical Investigations; and Archaeology Investigations)		
Status of Works Funded by HFF:	<ol style="list-style-type: none"> 1. Stage 1 and Stage 2 Archaeological Assessments: <u>100% Complete</u> (HFF to fund: \$10,000.00; net total paid: \$15,211.75) 2. Geotechnical Investigations: <u>80% Complete</u> (HFF to fund: \$10,500.00; net total paid: TBD once complete) 3. Environmental Investigations: <u>50% Complete</u> (HFF to fund: \$22,000.00; net total paid: TBD once complete) <p>Total amount Funded by HFF: \$42,500.00</p>		

Progress:

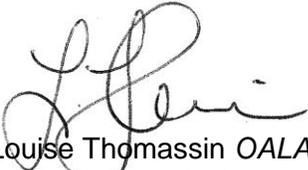
Item	Description	Image Ref. #
1.0	Environmental Impact Statement Report	
<p>Comments from Preceding Report (Report Submission 02 – December 05, 2018):</p> <ul style="list-style-type: none"> • A Purchase Order was received in May of 2018. A term of reference outlining the work to be undertaken by Wood for the Environmental Impact Statement was submitted to the City of Hamilton’s Natural Heritage Section and approved in October of 2018. • The site surveys that have been complete to-date for the report include: <ul style="list-style-type: none"> ○ Floristic survey for spring and fall ○ Bad habitat survey during leaf on and leaf off period ○ Breeding bird survey for June-July period ○ Fall reptile survey ○ Aquatic habitat assessment and fish community survey ○ Rare species and species at risk survey 		

1.1	<p>The mid-summer and fall period site surveys for the Environmental Impact Statement are complete. The spring period surveys are under-way and this is the last time period required for the Environmental Impact Statement.</p> <p>Surveys for spring include:</p> <ul style="list-style-type: none"> • Floristic surveys • Spring breeding bird surveys • Spring amphibian surveys • Spring reptile survey <p>A draft report will be submitted once the spring surveys are complete.</p>	
<p>2.0 Geotechnical Investigations</p>		
<p>Comments from Preceding Report (Report Submission 02 – December 05, 2018):</p> <ul style="list-style-type: none"> • A Purchase Order was received in May of 2018. • Site inspections have been conducted in summer and fall of 2018 to determine a location for the main viewing platform structure based on stability of soil and subsurface material and potential hazards posed from steep rock face. 		
2.1	<p>A Draft Geotechnical and Slope Assessment Report was submitted in February of 2019 and a follow up report was submitted in April of 2019 based on redline comments from the City. A final report will be submitted once all comments have been addressed.</p>	
2.2	<p>The report outlines the site and the geological setting, the general surface conditions, the groundwater conditions and makes recommendations that include but are not limited to the foundation design, the type of rock anchors to be employed, soil reuse and backfill and construction considerations.</p> <p>The report includes a slope assessment for the boardwalk, stairs and viewing platform where slopes exist to determine any design requirements. For example, at the viewing platform setback recommendations for the foundation from the slope face are provided. Images and maps from the report are provided in image 1 showing viewing platform setback recommendations.</p>	1
<p>3.0 Archaeology Investigations</p>		
<p>Comments from Preceding Report (Report Submission 02 – December 05, 2018):</p> <ul style="list-style-type: none"> • The Stage 1 inspection and the and Stage 2 field inspections occurred in June of 2019. Based on the field inspections and land use history Wood identified that a small portion of the site (approximately 15%) had archaeological potential and warranted a Stage 3 investigation, see image 2 for locations with archaeological potential. • A brief overview of the Stage 1 and 2 findings are as follows: <ul style="list-style-type: none"> ○ the area around Albion Falls is a historic Euro-Canadian site and the Stage 2 surface collection, test pits and test units recovered 421 artifacts. The artifacts are dated from the late 19th to early 20th century and include pottery and stoneware fragments, glass medicine container fragments, buttons, leather shoe fragments etc. See images 3 and 4 for examples of artifacts recovered. 		

- The Stage 1 and Stage 2 report was submitted to the Ministry of Tourism, Culture and Sport and entered the register as of September 21, 2018.
- A Purchase Order was issued to Wood in August of 2018 to conduct a Stage 3 Archaeological Assessment. Wood conducted the Stage 3 field work in late August of 2018. The field work included the excavation of nine (9) one-meter test units within the area identified in the Stage 1 and 2 report as having archaeological potential.
- A brief overview of the Stage 3 findings are as follows:
 - 650 Euro-Canadian artifacts were uncovered from the nine (9) test units dating from the late 19th to the early 20th century. Examples of artifacts are window glass fragments, mortar fragments, bricks, earthenware fragments etc.
 - Two possible midden features (i.e. a former refuse heap) were identified and the outbuilding wall foundation of the former mill.
- The archaeological features requiring further investigation are located along the route of the proposed boardwalk and can not be avoided due to site constraints that render other route options impassable (i.e. steep slopes, wet areas). A Stage 4 is recommended to mitigate the site by means of a comprehensive salvage excavation of the cultural heritage features that are of value and interest.
- The Stage 3 report was submitted to the Ministry of Tourism, Culture and Sport and entered the register as of November 5, 2018.
- A Purchase Order was issued to Wood in October of 2018 to conduct a Stage 4 Archaeological Assessment. Wood began the Stage 4 field work in late November of 2018 and will be finished the field work in December of 2018. The field work includes the hand-excavation of approximately sixty-seven (67) one-meter test units within the area identified in the Stage 3 report to fully expose the Euro-Canadian wall feature and further explore the midden feature for retrieval of artifacts.

3.1	<p>The Stage 4 Archaeological Assessment is complete, and a final report was submitted to the City on May 24, 2019. In conclusion, the site has been fully excavated and documented and has no further cultural heritage value or interest. The report was submitted to the Ministry of Tourism, Culture and Sport and once accepted the site can be developed.</p> <p>A short description of the artifacts uncovered are as follows:</p> <ul style="list-style-type: none"> • A recovery of 3,828 euro-Canadian artifacts and include kitchen and food related items, indeterminant items, personal items, architectural items, furnishing items and tools and equipment items. Examples are provided in image 2 and 3. <p>Please note that the HFF grant only funds the Stage 1 and Stage 2 Archeological reports, however the full description of events was provided for information purposes.</p>	2, 3
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Regards,



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City of Hamilton

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HAMILTON FUTURE FUND PROGRESS REPORT No. 3 Photo References

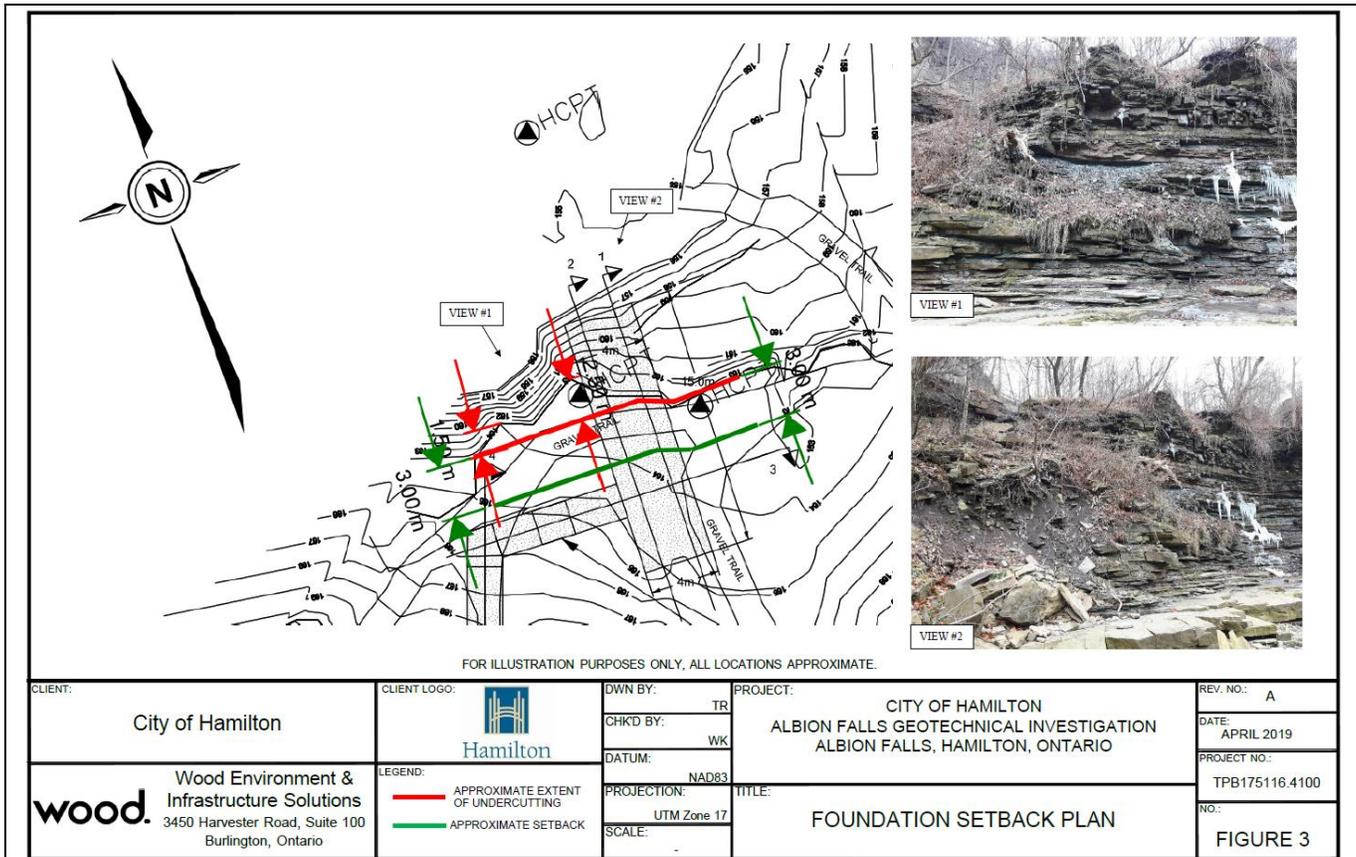


Image ID: 1

Date: April 2019

Location: Albion Falls Site (south side)

Details:

Setback recommendations from slope face to the foundation of the viewing platform based on slope assessment.



Image ID: 2

Date: May 2019

Location: Albion Falls Site (south side)

Details:

Examples of findings from Stage 4 field investigations.



	<table border="1"><tr><td data-bbox="1063 367 1331 430">PHOTOGRAPH</td><td data-bbox="1331 367 1453 430">33</td></tr><tr><td colspan="2" data-bbox="1063 451 1453 514">Description</td></tr><tr><td colspan="2" data-bbox="1063 514 1453 997">Watch Cat No. H848 recovered from unit 498N-199E in feature fill and a metal adornment Cat No. H806 recovered also from unit 498N-199E in topsoil.</td></tr></table>	PHOTOGRAPH	33	Description		Watch Cat No. H848 recovered from unit 498N-199E in feature fill and a metal adornment Cat No. H806 recovered also from unit 498N-199E in topsoil.	
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Watch Cat No. H848 recovered from unit 498N-199E in feature fill and a metal adornment Cat No. H806 recovered also from unit 498N-199E in topsoil.							

Image ID: 3
Date: May 2019
Location: Albion Falls Site (south side)

Details:
Examples of findings from Stage 4 field investigations.