



TECHNICAL MEMORANDUM

DATE September 19, 2025

Project No. CA0037598.7018

TO Mike Le Breton, Land and Resource Manager, Eastern Region
CBM Aggregates

CC Heidi Schopf, Cultural Heritage and Social Sciences Team Lead

FROM Johanna Kelly, Senior Cultural Heritage
Specialist

EMAIL johanna.kelly@WSP.com

CULTURAL HERITAGE REPORT ADDENDUM: COMMENTS RECEIVED FROM TOWN OF CALEDON HERITAGE PLANNING STAFF

1 INTRODUCTION

Golder Associates Ltd. (Golder), amalgamated under WSP Canada Inc. (WSP) in January 2023, was retained by CBM Aggregates (CBM), a division of St. Marys Cement Inc. (Canada), to complete a Cultural Heritage Report: Existing Conditions and Impact Assessment (Cultural Heritage Report) for the proposed CBM Caledon Pit / Quarry site (the Project). As part of the Project, CBM proposes to develop approximately 261.2 hectares licenced under the *Aggregate Resources Act* and designated / zoned under the *Planning Act* to permit the proposed CBM Caledon Pit / Quarry. Applications under the *Planning Act* (POPA 2022-0006 and RZ 2022-0010) and *Aggregate Resources Act* (Class A Licence #626600) are underway.

WSP submitted the Cultural Heritage Report to the Town of Caledon in 2023. Heritage Planning staff provided comments on March 18, 2025. This technical memorandum serves to address comments from Heritage Planning staff and should be appended to the Cultural Heritage Report (dated 21 July 2023).

2 CULTURAL HERITAGE REPORT UPDATES

Table 1 outlines comments received from the Town of Caledon and provides additional information to support the Cultural Heritage Report.

Table 1: Comment and response table

Town of Caledon Comment	Updated Information
1. The Town acknowledges the WSP cover letter, dated August 21, 2023, stating that the technical recommendations of the revised Cultural Heritage Report (revised July 2023) are superseded by the recommendations of the property specific Heritage Impact Assessments (HIAs).	n/a

Town of Caledon Comment	Updated Information
2. Accordingly, the Town limits its comments on the Cultural Heritage Report to the following, which may be addressed by an Addendum Letter: a. change in heritage status of the properties at 18473 Main Street and 1626 Charleston Sideroad, now designated under Part IV of the <i>Ontario Heritage Act</i>.	-18473 Main Street was designated under Part IV, Section 29, of the <i>Ontario Heritage Act</i> on November 26, 2024 (By-law 2024-094). -1626 Charleston Sideroad was designated under Part IV, Section 29, of the <i>Ontario Heritage Act</i> on November 26, 2024 (By-law 2024-096).
b. Rationale for 50 m no-go construction buffer	Historical structures, particularly those built using masonry, are susceptible to accidental damage from vehicles, heavy equipment operation, or other activities of the mineral aggregate operation in the immediate vicinity. The buffers established reflect research (Carman <i>et al.</i> 2012 and Randl 2001) and consultation with WSP vibration specialists, which determined a 50 m buffer adequate for capturing potential impacts to physical heritage attributes such as built structures. The recommendations of the blast impact assessment (WSP 2022) should be implemented to ensure the structural integrity of the built heritage resources potentially impacted by the Project are maintained.
c. Rationale for 60 m vibration buffer	This buffer reflects research (e.g., Carman <i>et al.</i> 2012) that identified 60 m as a common buffer distance for screening construction vibration effects on heritage structures. Consultation with WSP vibration specialists refined this to a 50 m no-go construction buffer since the Project will involve blasting.
d. Rationale for determining fugitive dust impacts	WSP Cultural Heritage Specialists followed guidance provided by WSP Environmental Engineers. The application has been designed to meet provincial blasting limits and air quality guidelines. CBM has conducted air quality monitoring in the vicinity of the site. Overall, the air quality is consistently below provincial guidelines, taking into account the existing aggregate operations and the existing truck traffic in the area. With the addition of the proposed CBM Caledon Pit / Quarry operations, including emissions from aggregate trucks accessing the site, the air quality is still predicted to be below provincial guidelines at surrounding residences. To support the continued conservation effort of cultural heritage resources impacted by the Project, the recommendations of the Air Quality Impact Assessment (WSP 2023), Best Management Practices Plan for the Control of Fugitive Dust (WSP 2024), and forthcoming Air Quality Monitoring Plan (WSP 2025) should be implemented.

Town of Caledon Comment	Updated Information
e. Explanation of blast impact assessment	This information is contained in the Blast Impact Assessment for the Project. The recommendations of the blast impact assessment (WSP 2022) should be implemented to ensure the structural integrity of the built heritage resources potentially impacted by the Project are maintained.

Table 2 provides an update to the heritage status of properties identified in the Cultural Heritage Report in the time since the revised report was submitted in July 2023 and Table 3 lists properties newly added to the heritage register within the community of Cataract. The updates to these properties are reflected in Figure 1.

Table 2: Updated Cultural Heritage Status of Properties Identified in the Cultural Heritage Report

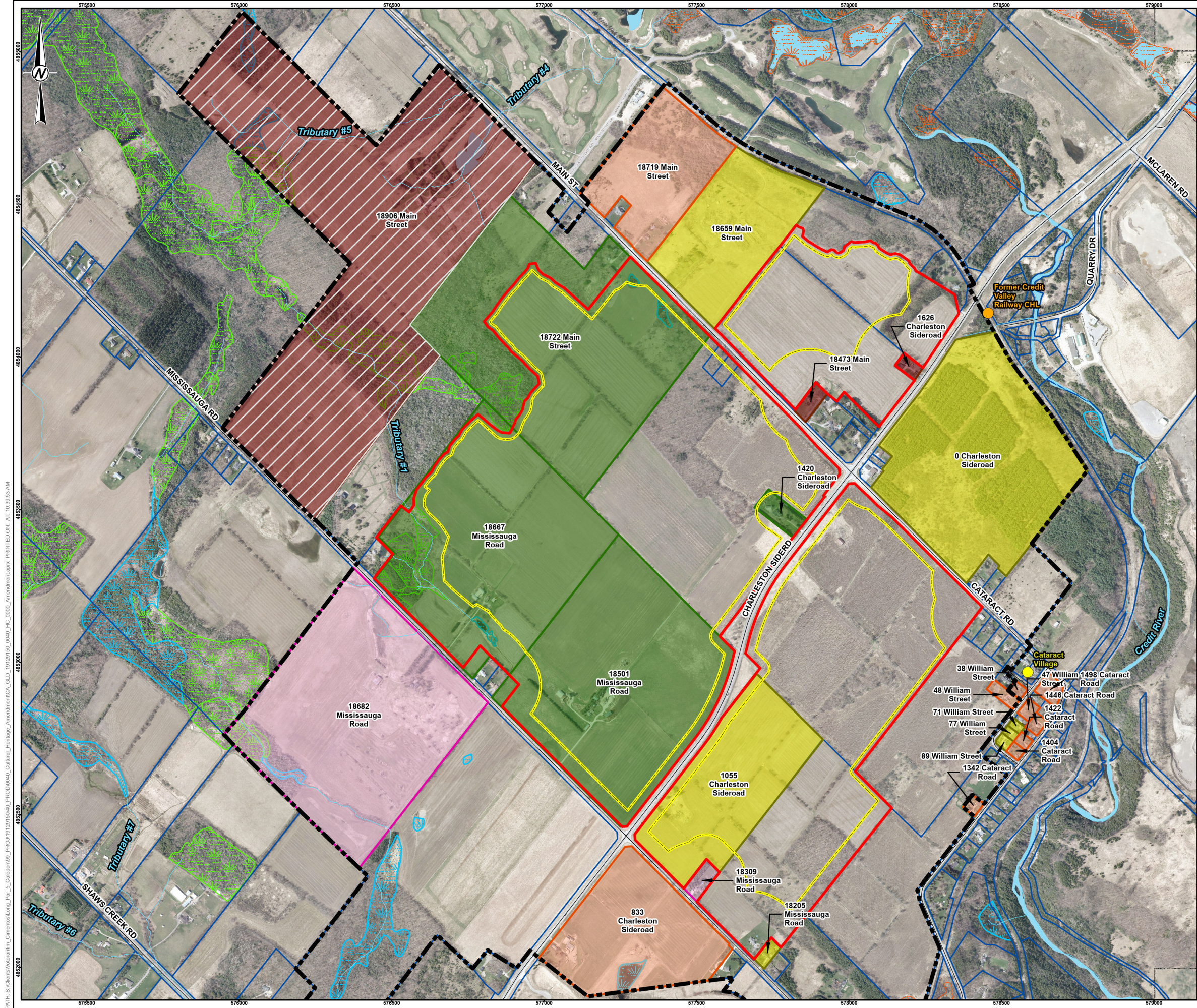
Address / Location	Cultural Heritage Status (July 2023)	Cultural Heritage Status (July 2025)
Former CVR CHL	Identified on the Town of Caledon's <i>Cultural Heritage Landscapes Inventory</i>	No change
Community of Cataract (along Cataract Road southeast of Charleston Sideroad)	Potential Cultural Heritage Landscape	No change
18906 Main Street	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	Designated under Part IV of the <i>Ontario Heritage Act</i> (By-Law 2024-095) and under appeal by Landowner
18719 Main Street	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	No change
18722 Main Street	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	Notice of Intention to Designate issued March 12, 2024 (Staff Report 2024-0056)
18659 Main Street	Identified on the Town of Caledon's <i>Built Heritage Resource Inventory (BHRI) of Pre-1946 Structures</i>	No change
18473 Main Street	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	Designated under Part IV of the <i>Ontario Heritage Act</i> (By-law 2024-094)
1626 Charleston Sideroad	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	Designated under Part IV of the <i>Ontario Heritage Act</i> (By-law 2024-096)
0 Charleston Sideroad	Identified on the Town of Caledon's <i>BHRI of Pre-1946 Structures</i>	No change
1420 Charleston Sideroad	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	Notice of Intention to Designate issued March 12, 2024 (Staff Report 2024-0056)

18667 Mississauga Road	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	Notice of Intention to Designate issued March 12, 2024 (Staff Report 2024-0056)
18682 Mississauga Road	Property of potential CHVI (identified through historical research and field investigation for this Cultural Heritage Report)	No change
18501 Mississauga Road	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	Notice of Intention to Designate issued March 12, 2024 (Staff Report 2024-0056)
48 William Street East	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	No change
71 William Street East	Identified on the Town of Caledon's <i>BHRI of Pre-1946 Structures</i>	No change
77 William Street East	Identified on the Town of Caledon's <i>BHRI of Pre-1946 Structures</i>	No change
89 William Street East	Identified on the Town of Caledon's <i>BHRI of Pre-1946 Structures</i>	No change
1055 Charleston Sideroad	Identified on the Town of Caledon's <i>BHRI of Pre-1946 Structures</i>	No change
18309 Mississauga Road	Property of potential CHVI (identified through historical research and field investigation for this Cultural Heritage Report)	No change
18205 Mississauga Road	Identified on the Town of Caledon's <i>BHRI of Pre-1946 Structures</i>	No change
833 Charleston Sideroad	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	No change

Table 3: Properties Added to the Heritage Register within the Community of Cataract Since July 2023

Address / Location	Cultural Heritage Status (July 2025)	Anticipated Impacts
38 William Street	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	As this property is over 150 m from the license boundary, no further work is required.
47 William Street	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	As this property is over 150 m from the license boundary, no further work is required.
1342 Cataract Road	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	As this property is over 150 m from the license boundary, no further work is required.

Address / Location	Cultural Heritage Status (July 2025)	Anticipated Impacts
1404 Cataract Road	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	As this property is over 150 m from the license boundary, no further work is required.
1422 Cataract Road	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	As this property is over 150 m from the license boundary, no further work is required.
1446 Cataract Road	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	As this property is over 150 m from the license boundary, no further work is required.
1498 Cataract Road	Listed (not designated) on the Town of Caledon's <i>Heritage Register</i>	As this property is over 150 m from the license boundary, no further work is required.



- LEGEND
- POTENTIAL CULTURAL HERITAGE LANDSCAPE
 - LANDSCAPE IDENTIFIED ON TOWN OF CALEDON CULTURAL HERITAGE LANDSCAPES INVENTORY
 - ROAD
 - WATERCOURSE
 - UNDER APPEAL BY LANDOWNER
 - DESIGNATED UNDER PART IV
 - NOTICE OF INTENTION TO DESIGNATE
 - PROPERTY IDENTIFIED ON TOWN OF CALEDON BUILT HERITAGE RESOURCE INVENTORY OF PRE-1946 STRUCTURES
 - PROPERTY LISTED (NOT DESIGNATED) ON THE TOWN OF CALEDON HERITAGE REGISTER
 - PROPERTY OF POTENTIAL CHVI: BUILT HERITAGE RESOURCE
 - CULTURAL HERITAGE REPORT STUDY AREA
 - WATERBODY
 - UNEVALUATED WETLAND
 - OTHER EVALUATED WETLAND
 - PROVINCIALY SIGNIFICANT WETLAND
 - PROPERTY PARCEL
 - LICENCE BOUNDARY
 - LIMIT OF EXTRACTION

DRAFT



NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)

1. BASEDATA MNRF LIO OBTAINED APRIL 2019
2. WATERCOURSES OBTAINED FROM CREDIT VALLEY CONSERVATION AUTHORITY OPEN DATA PORTAL, NOVEMBER 2022 IN COMBINATION WITH SITE WATERCOURSE SURVEY PROVIDED BY FIRST BASE SOLUTIONS NOVEMBER 2021.
3. IMAGERY FIRSTBASE SOLUTIONS SPRING 2019 (15CM RESOLUTION) AND WORLD IMAGERY: DUFFERIN COUNTY, PEEL REGION, MAXAR LIO_CARTOGRAPHIC/LIO_TOPOGRAPHIC:
4. LICENSE AND EXTRACTION LIMIT PROVIDED BY MHBC IN JUNE 2023.
5. PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 17N

CLIENT

CBM AGGREGATES, A DIVISION OF ST. MARYS CEMENT INC. (CANADA)

PROJECT

CALEDON PIT/ QUARRY

TITLE

BUILT HERITAGE RESOURCES AND CULTURAL HERITAGE LANDSCAPES WITHIN THE STUDY AREA

CONSULTANT	YYYY-MM-DD	2025-09-19
DESIGNED	AM	
PREPARED	BR/MC	
REVIEWED	JK	
APPROVED	HM	

PROJECT NO. 19129150 CONTROL 0040 REV. A

FIGURE 1



3 REFERENCES

Carman, R.A., Buehler, D., Mikesell, S., and C.L. Searls (2012). Current Practices to Address Construction Vibration and Potential Effects to Historic Buildings Adjacent to Transportation Projects. Wilson, Ihrig and Associates, ICF International, and Simpson, Gumpertz and Heger, Incorporated for the American Association of State Highway and Transportation Officials (AASHTO), Washington, DC.

Randl, C. (2001). Temporary Protection No. 3: Protecting a Historic Structure during Adjacent Construction. U.S. Department of the Interior National Parks Service Cultural Resources Tech Notes.
<https://www.nps.gov/orgs/1739/upload/tech-note-temporary-protection-03-during-construction.pdf>. Last accessed April 4, 2025.

WSP (2022). Blast Impact Assessment, Proposed Caledon Pit / Quarry. (Submitted by Golder Associates Ltd., now WSP). On file with report author.

WSP (2023). Air Quality Impact Assessment. (Submitted by Golder Associates Ltd., now WSP). On file with report author.

WSP (2024). Best Management Practices Plan for the Control of Fugitive Dust. On file with report author.

WSP (2025). Air Quality Monitoring Plan. In preparation at the time of report revision by WSP.

4 SIGNATURE PAGE

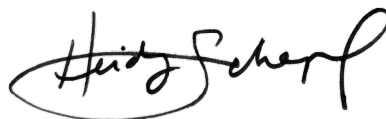
This memorandum is intended exclusively for CBM and should not be utilized by any third party without the explicit written consent of WSP. Any use by a third party is their own responsibility.

We trust this report meets your current requirements. Please do not hesitate to contact us should you require further information or have additional questions about any facet of this document.

WSP Canada Inc.



Johanna Kelly, MSc., CAHP
Senior Cultural Heritage Specialist



Heidi Schopf, MES, CAHP
Cultural Heritage and Social Sciences Team Lead