

CBM Caledon Pit/Quarry
Summary of Updates to the Application December 2022 – August 2023

Prepared December 2023

Update to the Application	Rationale and Summary of Changes to the proposed Caledon Pit/Quarry
Licence Area reduced from 262 hectares to 261.2 hectares.	The Licence Area was reduced along Mississauga Road north of Charleston Sideroad to accommodate the proposed relocation of the Built Heritage Resources located at 18501 and 18667 Mississauga Road.
Extraction Area reduced from 204 hectares to 199.5 hectares.	<p>The Extraction Area was reduced to:</p> <ul style="list-style-type: none"> • Protect the Built Heritage Resource located at 1420 Charleston Sideroad; • Provide additional protection for the Built Heritage Resource located at 18722 Main Street; and • Incorporate components of the proposed water mitigation system along portions of the west and south boundary of the proposed Caledon Pit / Quarry.
Completed five site specific cultural heritage impact assessments for the properties located at 1055 Charleston Sideroad, 1420 Charleston Sideroad, 18501 Mississauga Road, 18667 Mississauga Road and 18722 Main Street.	<p>The cultural heritage report that was submitted with the application in 2022 recommended that five site specific cultural heritage impact assessments be completed. In summary these reports resulted in the following changes to the application:</p> <ul style="list-style-type: none"> • The Built Heritage Resource at 1420 Charleston Sideroad will be retained. During operations it will be used as an office/laboratory and following surrender of the Aggregate Resources Act Licence of the site, the structure will be converted back to a residential use; • The Built Heritage Resources at 18501 and 18667 Mississauga Road should be relocated outside of the extraction area and continue to be used as a residential use. As noted above, these buildings are proposed to be relocated outside of the Licence Boundary along Mississauga Road north of Charleston Sideroad on lands owned by CBM; • The Built Heritage Resources at 18722 Main Street was already outside of the proposed extraction area and the study resulted in an increased extraction setback to this Built Heritage Resource; and

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	<ul style="list-style-type: none"> The Built Heritage Resource at 1055 Charleston Sideroad will require a Heritage Documentation Plan prior to the structures being removed.
Updated the traffic impact study with current traffic counts.	At the Planning Act public meeting held on June 20, 2023 members of the public raised concerns with the traffic counts that were used in the traffic impact study due to COVID. As a result, current traffic counts were obtained and the traffic study was updated using these counts. The updated traffic counts did not change any conclusions or recommendations of the study.
Modified the location to discharge water off-site during operations.	CVC indicated that they do not support an increase in surface water flow from the site onto CVC lands which are located to the east of the proposed Caledon Pit / Quarry. As a result, the discharge was modified to direct water to the adjacent golf course so the water can be used for irrigation and also can be used in a recirculated manner in the water management system to keep water levels next to the quarry higher in order to reduce the off-site drawdown.
CBM initiated an independent peer review of the water and natural environment reports. The peer review was completed by GHD.	<p>The protection of water and natural environment was identified as a major concern for the community. As a result, CBM initiated a peer review of the reports. The peer review supported the conclusion / recommendations of the updated reports since the following items were included:</p> <ul style="list-style-type: none"> An infiltration trench and slurry wall is proposed along a portion of the west and south boundary of the site to handle more water on-site (i.e., reducing off-site discharge) while adding the benefit of reducing drawdown from the quarry which will provide additional protection for off-site wetlands and water users; Addition of seven groundwater monitoring wells (MW-IT-01 to MW-IT-07) located in proximity to the infiltration trench to monitor the predicted performance of the re-infiltration;

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	<ul style="list-style-type: none"> • Incorporation of additional groundwater and surface water data for the wetlands located to the west of the site based on GHD’s knowledge of these features as a result of their historical involvement in the former Pinchin Pit; • Incorporation of additional data for Tributary # 1 based on supplemental investigations completed, including new surface water and groundwater monitors and a pumping test; and • Updates to the rehabilitation plan to permit portions of Phase 5 and 7 to be rehabilitated to a vertical face to further mitigate long-term groundwater drawdown to the west of the site.
<p>CBM initiated an independent peer review of the traffic study. The peer review was completed by Tatham Engineering.</p>	<p>The additional truck traffic from the proposed Caledon Pit / Quarry was identified as a major concern for the community. As a result, CBM initiated a peer review of the study. This peer review supported the conclusions / recommendations of the study and did not result in any changes to the proposed Caledon Pit/Quarry.</p>
<p>CBM initiated an independent peer review of the noise study. The peer review was completed by Aercoustics.</p>	<p>The potential of noise impacts from the proposed Caledon Pit / Quarry was identified as a major concern for the community. As a result, CBM initiated a peer review. The peer review supported the conclusion / recommendations of the updated reports since the following items were included:</p> <ul style="list-style-type: none"> • A portion of the berm adjacent to 18627 and 18615 Mississauga Road was increased from 5 m to 7 m; • Minor reconfiguration of the acoustic barriers for the temporary processing plant to provide access to the proposed office located at 1420 Charleston Sideroad; • Two new sensitive receptors were added (RPOR13 and RPOR14). • Drill operations are to be limited to daytime hours consistent with the proposed operation; and

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	<ul style="list-style-type: none"> Mitigation measures to ensure that the proposed relocated Built Heritage Resources at 18501 and 18667 Mississauga Road can be occupied for residential purposes in accordance with provincial noise guidelines.
<p>CBM initiated an independent peer review of the blasting study. The peer review was completed by Explotech.</p>	<p>Blasting from the proposed Caledon Pit / Quarry was identified as a major concern for the community. As a result, CBM initiated a peer review of the study. This peer review supported the conclusions / recommendations of the study and did not result in any changes to the proposed Caledon Pit/Quarry.</p>
<p>CBM initiated an independent peer review of the air quality study. The peer review was completed by RWDI.</p>	<p>The potential impact on air quality from the proposed Caledon Pit / Quarry was identified as a major concern for the community. As a result, CBM initiated a peer review of the study. This peer review supported the conclusions / recommendations of the study and did not result in any changes to the proposed Caledon Pit/Quarry.</p>
<p>Updated Rehabilitation Plan.</p>	<p>As a result of the reduction in the Licence Boundary and the Extraction Limit, and the updated water resources report there have been minor changes to the rehabilitation plan, including the inclusion of vertical faces in a portion of Phase 5 and 7 of the proposed Caledon Pit / Quarry.</p>
<p>CBM's proposed Town of Caledon Official Plan Amendment and Zoning By-law Amendment.</p>	<p>CBM modified the proposed Town of Caledon Official Plan Amendment and Zoning By-law Amendment to remove the lands that are no longer in the proposed Aggregate Resources Act Licence (e.g. 0.8 ha reduction).</p>
<p>All Technical Reports and Site Plans.</p>	<p>In 2023, all of the technical reports were updated to reflect the updated Licence Area and Extraction Area. In addition, the traffic, noise, water resources and natural environment reports and Aggregate Resources Act Site Plan were updated to address the above noted items where applicable.</p>