

APPENDIX 4

Environment and Sustainability Assessment

Birmingham City Council is required to assess any positive or negative impacts that any policy/strategy/ decision/development proposal is likely to have on the environment. This assessment must be completed for CLT and Cabinet reports where appropriate. It is the responsibility of the Service Director signing off the report to ensure that the assessment is complete.

To complete the assessment, you should consider whether the proposal will have a positive or a negative impact on each of the key themes by placing a (√) for positive, (x) for negative and (?) for unclear impact, and (N/A) for non-applicable impact. Further guidance on the completion of the template is available on page 3 below.

Project Title:	Birmingham Museum and Art Gallery MEND			
Directorate: City Operations	Team: Property Services		Person Responsible for assessment: Lesley Steele	
Date of assessment: 18th January 2022	Is it a new or existing proposal? New proposal			
Brief description of the proposal: The grant will fund the following areas of work <ul style="list-style-type: none"> • Accessibility – lift repairs/replacement to the public lift on Edmund Street and the goods lift on Margaret Street. • Fabric longevity – replace water damaged plaster and paint work and roof works to the 1885 and Council House extension roofs. • Upgrading building services – upgrade the heating systems to the 1885 building, link bridge and Council House extension and the upgrade of the mains water inlet/outlet valve. • Fire protection – upgrade fire doors and other fire protection works. 				
Potential impacts of the policy/development/ decision on:	Positive Impact	Negative Impact	No Specific Impact	What will the impact be? If the impact is negative, how can it be mitigated, what action will be taken?
Natural Resources - including water, soil, air	√			ISG Construction will support green travel plans by encouraging staff to utilise public transport to travel to and from site where feasible.

				Where appropriate meeting will also be held via Microsoft Teams reducing travel into the city centre. Electronic files and Shared Drives will be utilised by the project team to view/share information reducing paper wastage (wood wastage).
Energy use and CO ₂ emissions	√			Roof replacement works, specifically the 1885 roof will include insulation as per current Building Regs which will assist with reducing heat loss from the building New lighting will use LED fittings with sensor controls where appropriate, which are activated when movement is picked up. Additional heating is to be installed in areas where there is currently no heating; Link Bridge and where heating is inadequate; Edwardian Tearoom. This will help alleviate damp and condensation. Consideration will be given to how materials used in the refurbishment can be recycled at the end of their useful life. .
Quality of environment	√			We will encourage the contractor to review their transportation plan and encourage their staff where practicable to use public transport, cycle to work and car share. Overall, the internal environment will be improved for both visitors and staff as the proposed works will address the major issue of water ingress and lack of heating. The work will also extend the life of a grade II* listed building ensuring it is fit for purpose whilst also protecting the collections it houses.

Impact on local green and open spaces and biodiversity			√	N/A
Use of sustainable products and equipment	√			<p>ISG Construction will be using material that are sensitive to the building's grade II* listing. This will include materials originally used e.g. lime plaster and slate roofing tiles. Materials will be responsibly sourced with consideration given to the impact on the environment. e.g. timber sourced from sustainable sources and reusing roof tiles where possible and replacing damaged tiles with reclaimed ones.</p> <p>N.B Historic England will dictate what materials we can use as part of the grant conditions as they will want us to replicate those used originally in the building where feasible.</p>
Minimising waste	√			ISG Construction has a Site Waste Management Plan. This encourages the concept of designing out waste and repurposing materials at end of life.
Council plan priority: a city that takes a leading role in tackling climate change	√			We will work in partnership with ISG and Acivico to ensure a sustainable repair and refurbishment is delivered. We will be encouraging ISG to review their working practices to support the R20 agenda e.g. operatives to car share reducing carbon emissions or where practicable cycle or utilise public transport to travel to and from site.
Overall conclusion on the environmental and sustainability impacts of the proposal	<p>We will encourage the contractor to be as resourceful as possible, working within the constraints of the buildings listed status. Environmental sustainability will be reviewed at each progress meeting to ensure that the project team are fully committed and additional contributions can be made.</p>			

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Guidance for completing the template

Theme	Example
Natural Resources - Impact on natural resources including water, soil, air.	<p>Does the decision increase water use?</p> <p>Does the decision have an impact on air quality?</p> <p>Does the decision discourage the use of the most polluting vehicles (private and public) and promote sustainable modes of transport or working from home to reduce air pollution?</p> <p>Does the decision impact on soil?</p> <p>For example, development will typically use water for carrying out various operations and, once complete, water will be needed to service the development. Providing water to development and treating affluent water requires energy and contributes to climate change. Some of the activities including construction or disposal of waste may lead to soil pollution. The decisions may lead to more journeys thereby deteriorating air quality and thus contribution to climate change and greenhouse gases.</p>
Energy use and CO ₂ emissions.	<p>Will the decision have an impact on energy use?</p> <p>Will the decision impact on carbon emissions?</p> <p>Most day-to-day activities use energy. The main environmental impact of producing and using energy such as electricity, gas, and fuel (unless it is from a renewable source) is the emission of carbon dioxide.</p>
Quality of environment.	<p>Does the decision impact on the overall quality of the built environment?</p> <p>Decisions may have an impact on the overall setting, character and distinctiveness in the area. For example, if development involves ground digging and excavations etc. it may have an impact on the local archaeology.</p>
Impact on local green and open spaces and biodiversity	<p>The proposal may lead to localised impacts on the local green and open spaces which may have an impact on local biodiversity, trees and other vegetation in the area.</p> <p>Will the proposal lead to loss (or creation) of green and blue infrastructure?</p> <p>For example, selling an open space may reduce access to open space within an area and lead to a loss of biodiversity. However, creating a new open space would have positive effects.</p>
Use of environmentally sustainable products, equipment and packaging'	<p>Will the decision present opportunities to incorporate the use of environmentally sustainable products (such as compostable bags, paper straws etc.), recycled materials (i.e. Forest Stewardship Council (FSC) Timber/wood), non-polluting vehicles, avoid the use of single use plastics and packaging.</p>
Minimising waste	<p>Will the decision minimise waste creation and the maximise recycling during the construction and operation</p>

	<p>of the development/programme/project?</p> <p>Will the decision provide opportunities to improve recycling?</p> <p>For example, if the proposal involves the demolition of a building or a structure, could some of the construction materials be reused in the new development or recycled back into the construction industry for use on another project?</p>
<p>Council plan priority: a city that takes a leading role in tackling climate change and deliver Route to Zero.</p>	<p>How does the proposal or decision contribute to tackling and showing leadership in tackling climate change and deliver Route to Zero aspirations?</p>

If you require further assistance with completing this template, please contact: ESAGuidance@birmingham.gov.uk