

Eco Impact Checklist**Title of report:**

SEND Sufficiency & Capital proposals:

1. Masterplan - Elmfield & Claremont Special Schools
2. City of Bristol College – Independent Living building.
3. SEND minor tranche works (various schools)

Report author: Phil Lawrence MRICS, Senior Project Manager, Education Capital Team.**Anticipated date of key decision** September 2020 Cabinet**Summary of proposals:** Masterplan project involving demolition, refurbishment and new build. In summary, in broad order of chronology:1. SEND Masterplan:

- **Project A:** Minor refurbishment of Redland Green School to enable Elmfield School for Deaf Children Secondary pupils to move from Fairfield School to Redland Green School.
- **Project B:** Refurbishment, demolition and new build at the Bristol Education Centre to meet the needs of Elmfield School for Deaf Children Early & primary Years. Project proposals to be coordinated with the adjacent Upper Horfield Community School.
- **Project C:** Construction and installation of temporary accommodation, location to be confirmed, internally specialist fitted to enable decant of pupils from Claremont Special School.
- **Project D:** Refurbishment, demolition and new build at Claremont Special School.
- **Project E:** Demolition of Elmfield School and development of the site for residential purposes (by Housing Delivery).

2. Independent Living accommodation:

- Construction of a new Independent Living facility at the City of Bristol College, Ashley Down Campus. The project is Phase 3 of Project Rainbow, an initiative to provide independent residential living accommodation for young SEND adults. The proposals will build on the success of the former phases of Project Rainbow at the Brislington Centre, and increase the current offer of 13 beds spaces with a further 14 bed spaces.

3. Independent Living accommodation:

- Small adaptation and refurbishment works at various SEND schools across the

city.				
Will the proposal impact on...	Yes/ No	+ive or -ive	If Yes...	
			Briefly describe impact	Briefly describe Mitigation measures
Emission of Climate Changing Gases?	Yes	+ve	<p>The Masterplan will involve demolition, refurbishment and new build of aging and deteriorating building stock.</p> <p>Some of the existing buildings to be demolished are of inefficient 1960's construction.</p> <p>One of the buildings to be refurbished is Victorian (est. construction, mid C19th).</p> <p>Although there will be a net increase in building area due to the increase in student provision, the new and refurbished buildings will be designed to current standards with a fabric first approach.</p>	<p>Design to meet current standards, including Approved Documents parts L1A, L2A and L2B.</p> <p>The buildings will be designed to target BREEAM 2018 'Very Good' or above.</p> <p>The heating / cooling strategy and associated infrastructure will be aligned with the heating and cooling hierarchy in the BCC Core Strategy and BCC Climate Change and Sustainability Practice Note, December 2012.</p> <p>Renewables will be provided in accordance with BCC BCS14 of the Core Strategy, for a 20% reduction in emissions through the use of renewables.</p>
Bristol's resilience to the effects of climate change?	Yes	+ve	As above.	As above.
Consumption of non-renewable resources?	Yes	-ve	<p>To provide new and refurbished buildings, the proposals will require the use of building materials.</p> <p>There is potential for some building materials to be from non-renewable resources.</p>	<p>The Zero Waste Hierarchy will be adopted to Reduce, Reuse & Recycle from design through to construction.</p> <p>Materials will be selected with consideration to the BRE Green Guide Material rating, with A+ products and materials to</p>

				be targeted for selection as far as possible.
Production, recycling or disposal of waste	Yes	-ve	The proposals will generate construction waste.	<p>For the new build and refurbishment specification, the Zero Waste Hierarchy and BRE Green Guide will be adopted – ref above.</p> <p>For the demolition of existing buildings, where safe and appropriate to do so, materials may be recycled or re-used on site (e.g. concrete hard core and rubble arisings).</p>
The appearance of the city?	Yes	+ve	<p>The existing buildings are a mix of Victorian, 1960's and post-1960's extensions, all in deteriorating condition.</p> <p>The proposals are for the demolition of the 1960's buildings and post-1960's extensions. The proposals are to retain and refurbish the Victorian buildings.</p>	<p>The Victorian buildings will be retained, internally refurbished and externally repaired.</p> <p>The new buildings will be of modern design and designed to suit the respective adjacent urban environment.</p> <p>External hard and soft landscaping will be designed to provide both enhanced place-making and more suitable external areas.</p> <p>The buildings will be constructed to current modern standards.</p>
Pollution to land, water, or air?	Yes	-ve	Potential pollution risks, notably during demolition works will be robustly managed.	All demolition works will be carried out under strict regulations with control measures in place for specialised and licenced contractors to mitigate harm to human health and the environment.

			<p>Dust pollution</p> <p>Noise pollution during all demolition / construction activities.</p>	<p>Demolition will also require a Demolition Notice with associated control measures. Dust pollution is strictly controlled by various regulations and will be managed and controlled accordingly.</p> <p>Noise pollution during all construction activities will be managed with the neighbours through registering the sites with the Considerate Construction Scheme (CCS) and controlling working hours.</p>
Wildlife and habitats?	Yes	-ve and +ve	<p>Potential for disturbance to existing wildlife and habitats.</p> <p>Potential for ecological betterment and overall net biodiversity gains for the development at each site.</p>	<p>Specialist surveys (arboricultural, Phase ecological surveys etc.) plus additional surveys as may be highlighted within the commissioned reports (bats surveys etc.) will be commissioned at early design stage.</p> <p>The developments should comply with National Planning Policy Framework (2019) to minimise impacts on and provide net gains for biodiversity.</p>
Consulted with: Environmental Programme Manager (Energy).				
Summary of impacts and Mitigation - <u>to go into the main Cabinet/ Council Report</u>				
<p>The significant impacts of this proposal are the provision of modern, energy efficient buildings that are specifically designed to meet the needs of the SEND schools.</p> <p>The proposals include the following measures to mitigate the impacts:</p> <ul style="list-style-type: none"> Buildings designed to current energy efficient building standards, to also meet BCC Core Strategy and Climate Change Practice Notes, including use of 20% renewables. 				

- Zero Waste Hierarchy for construction materials, including material selection with consideration to the BRE Green Guide, targeting A+ materials as far as possible.
- Modern building designs to suit the urban environment with enhanced place-making for hard and soft landscaping.
- Competent and experienced design teams and contractors to be commissioned to deliver the project to ensure robust control measures are in place to manage SHE regulations and control pollution.
- Construction sites to be registered with the Considerate Constructors Scheme to ensure an independent audit to of best working practices within urban settings.
- Commission of specialist ecological surveys, plus any further specialist surveys early in the design phase to identify ecological habitat, also complying with National Planning Policy Framework (2019) to minimise impacts on and provide net gains for biodiversity.

The net effects of the proposals are positive. The project will involve the demolition of aging, inefficient and deteriorating building stock (1960's onwards), with the construction of new energy efficient buildings, internal refurbishment and external repair to retained buildings. The impacts on the environment and biodiversity will be considered from the outset of the design throughout the project, with significant betterment readily achievable in all areas.

Checklist completed by:

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Date:	13 th July 2020
Verified by Environmental Performance Team	

Education Capital Team

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