| | |
|---|---|
| Name of project, policy, function, service or proposal being assessed: | Carlton Active - redevelopment proposals for the Richard Herrod Centre site (RIBA Stage 2 concept design). |
| The main objective of (please insert the name of accessed document stated above): | The Carlton Active project seeks to deliver a modern, inclusive and operationally efficient leisure, health and wellbeing facility that replaces an ageing, inefficient Carlton Forum Leisure Centre with a purpose-designed centre capable of significantly improved environmental performance. Located at the Richard Herrod Centre, the project will provide a high-quality, multi-functional space that meets the health, fitness, and wellbeing needs of the local community.<br><br>Environmental sustainability is a core priority, with the design incorporating energy-efficient systems, low and zero-carbon technologies, and features aligned to best-practice environmental standards. The project also supports the Council's strategic goal of improving operational efficiency by consolidating services, reducing annual subsidies, and enhancing long-term viability.<br><br>At the end of RIBA Stage 2, the project has developed coordinated architectural layouts, site strategy, massing, circulation, and an outline all-electric building services approach. These design decisions establish a strong foundation for reducing operational carbon, improving energy efficiency, and supporting the Council's longer-term net zero ambitions. While detailed energy modelling and embodied carbon calculations are not yet complete, the Stage 2 design demonstrates a clear and credible pathway to improved climate performance when compared with the existing facility. |

What impact will this (please insert the name) have on the following Please read guidance before completing.

| Category | Negative | Positive | No impact/ Negligible change | Mitigation/ Comments |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| **Behaviour & Culture Change** | | X | | The Carlton Active RIBA Stage 2 design supports positive behaviour change by embedding sustainability into everyday use of the building and site. The developed layout prioritises clear and safe pedestrian routes, improved visibility from the street and dedicated cycle storage, encouraging walking and cycling where possible. Consolidating leisure provision into a single modern facility also reduces the need for travel between multiple sites, helping to lower transport-related emissions.<br><br>The design incorporates clearly defined internal and external waste and recycling areas, supporting effective waste segregation and making recycling a normal part of daily building use. Layouts allow for clear signage |

| | | | | |
|---|---|---|---|---|
| | | | | and intuitive wayfinding to reinforce sustainable behaviours.<br><br>The Stage 2 proposals also strengthen the relationship between the building and its external environment through soft landscaping, green features and visual connections to outdoor spaces. Community-facing areas such as the café and social spaces are designed to encourage movement between indoor and outdoor environments, supporting wellbeing and reinforcing the value of green space and nature. |
| **Built Environment** | | X | | The Carlton Active RIBA Stage 2 design replaces two ageing, energy-inefficient building with a purpose-designed facility that significantly improves environmental performance. The developed building form, massing and orientation support energy efficiency through compact floorplates, reduced heat |

| | | | | |
|---|---|---|---|---|
| | | | | loss and efficient zoning of wet and dry areas.<br>At Stage 2, the layout has been designed to support Passivhaus principles such as improved thermal performance, solar gains, airtightness and servicing efficiency compared with the existing facility, reducing long-term operational energy demand. The rationalised internal arrangement minimises unnecessary circulation and supports efficient plant distribution.<br>The building has also been designed with long-term adaptability in mind, reducing the risk of premature refurbishment or replacement and therefore lowering whole-life carbon impact.<br>Detailed fabric specifications and embodied carbon assessments will be progressed at RIBA Stage 3. |

| | | | | |
|---|---|---|---|---|
| **Transport** | | X | | The Carlton Active RIBA Stage 2 design supports more sustainable transport patterns through improved site layout, accessibility and consolidation of provision. The developed proposals prioritise safe and legible pedestrian routes across the site, with direct access to the main entrance and clear separation from vehicle movements. Dedicated cycle storage has been incorporated to encourage cycling by staff and users.<br>By consolidating leisure services into a single modern facility, the project reduces the need for users to travel between multiple sites, contributing to a reduction in overall transport-related emissions. While car parking remains necessary to ensure accessibility for all users, particularly those with mobility needs, the layout has been designed to manage vehicle |

| | | | | |
|---|---|---|---|---|
| | | | | movements efficiently and safely.<br>Further work at RIBA Stage 3 will explore opportunities for travel planning, electric vehicle infrastructure and operational measures to support a continued shift towards sustainable travel choices. |

## Climate Impact Assessment

Gedling Borough Council

| | | | | |
|---|---|---|---|---|
| **Energy, Natural Resources & Climate Change** | | X | | The Carlton Active RIBA Stage 2 design establishes a clear pathway to reduced operational carbon through an emerging all-electric energy strategy and the incorporation of low and zero-carbon technologies. The proposals have been developed to support compliance with Part L of the Building Regulations and to significantly improve energy performance compared with the existing facility. The building form, layout and zoning have been designed to support energy-efficient building systems, with wet and dry areas arranged to minimise energy demand and optimise plant distribution. Design principles developed at Stage 2 include natural ventilation where appropriate, effective solar gain management, high-performance insulation and the use of energy-efficient LED |

| | | | | |
|---|---|---|---|---|
| | | | | lighting to reduce overall energy consumption. The design also allows for the future integration of renewable technologies, such as roof-mounted photovoltaic panels, subject to further feasibility work. Detailed energy modelling, carbon assessment and refinement of building services strategies will be undertaken at RIBA Stage 3 to quantify performance and optimise the final low-carbon approach. |
| **Waste Reduction & Recycling** | | X | | The Carlton Active RIBA Stage 2 design supports waste reduction and increased recycling through the provision of clearly defined internal and external waste and recycling areas, enabling effective segregation of waste streams during daily operation. The layout allows for clear signage and intuitive access, helping to normalise recycling behaviour for both staff and users. |

| | | | | |
|---|---|---|---|---|
| | | | | The rationalised building layout and standardised spaces developed at Stage 2 support efficient construction methods and reduced material waste. Opportunities to reuse and recycle materials arising from demolition of the existing building will be explored at later stages, subject to surveys and contractor methodology.<br>A detailed construction waste and materials management strategy will be developed at RIBA Stages 3 and 4 to further reduce waste, maximise recycling and minimise environmental impact during construction and operation. |
| **Blue-Green Infrastructure/Biodiversity** | | X | | The Carlton Active RIBA Stage 2 design establishes a strong relationship between the building and its surrounding environment, creating opportunities to enhance green infrastructure and biodiversity. The developed site layout allows for increased soft |

| | | | | |
|---|---|---|---|---|
| | | | | landscaping, improved site permeability and the integration of green features that support climate resilience and environmental quality. While detailed ecological surveys and biodiversity net gain calculations will be undertaken at later stages, the Stage 2 proposals have been developed to avoid unnecessary loss of existing green assets and to create opportunities for enhancement through landscaping, planting and sustainable drainage measures. Further design development at RIBA Stage 3 will refine biodiversity interventions and blue-green infrastructure, informed by ecological assessments and planning requirements, to deliver measurable environmental benefits. |
| **Procurement & Purchasing** | | X | | The Carlton Active RIBA Stage 2 proposals are being progressed through a framework-based |

| | | | | |
|---|---|---|---|---|
| | | | | procurement route with early contractor involvement, enabling sustainability considerations to be embedded into design development, cost planning and construction methodology from an early stage. This approach supports informed decision-making around materials, building systems and construction techniques, helping to reduce both operational and embodied carbon. Early engagement with the contractor and supply chain allows opportunities to be identified to prioritise energy-efficient systems, low-carbon materials and responsible sourcing, while maintaining affordability and buildability. Further refinement of procurement strategies, including embodied carbon assessment and sustainable purchasing policies, will be undertaken at RIBA Stage 3 and 4. |

| | | | | |
|---|---|---|---|---|
| | | | | |

In response to the information provided above please provide if there is any proposed action including any consultation that is going to be carried out

| Planned Actions | Timeframe | Potential Outcome | Responsible Officer |
|---|---|---|---|
| Consultation 1- RIBA 0 | 8 weeks | • Identifies community priorities such as energy efficiency, sustainable travel, biodiversity, and waste reduction.<br>• Ensures climate-related feedback is reflected in the final design and operation of the facility.<br>• Supports stronger community buy-in and engagement with the project.<br>• Informs behaviour change initiatives promoting sustainability. | Lance Juby |
| Consultation 2 RIBA 3/4 | 4 weeks | • Enables stakeholders to visualise and understand the centre's low-carbon and sustainable design features.<br>• Provides an opportunity to gather feedback on climate-resilient elements | Lance Juby |

| | | | |
|---|---|---|---|
| | | such as natural ventilation, daylighting, and green infrastructure.<br><br>• Encourages input on how the layout supports sustainable behaviours, including walking, cycling, and efficient energy use.<br><br>• Demonstrates the project's commitment to climate action, helping to build community trust and support.<br><br>• Informs potential enhancements to environmental performance by highlighting user preferences and concerns early in the design process. | |

| | | | |
|---|---|---|---|
| Sustainable Design Integration | 12 weeks | The facility will incorporate energy-efficient systems, low and zero-carbon technologies, and design features that respond to Part L regulations and environmental best practice (e.g. solar gain control, natural ventilation, high-efficiency MEP systems). | Tom Fletcher |

| | | | |
|---|---|---|---|
| Climate-Resilient Infrastructure | 6 months | Consideration is being given to flood mitigation, sustainable drainage systems (SuDS), and materials that reduce overheating and energy demand | Tom Fletcher |
| Carbon Management and Performance Monitoring | 6 months | A carbon management strategy will be developed, supported by metering, monitoring systems, and energy performance targets across RIBA design stages. | Tom Fletcher |
| Sustainable Travel Support | 6 months | Plans include active travel infrastructure (cycle storage, pedestrian links), EV charging points, and integration with public transport to reduce transport-related emissions. | Tom Fletcher/ Lance Juby/ Nathan Wall |

## Authorisation and Review

| | |
|---|---|
| **Completing Officer** | **Tom Fletcher** |
| **Authorising Head of Service/Director** | **Lance Juby** |
| **Date** | **20/1/2026** |
| **Review date ( if applicable)** | **June 2026 (RIBA 3 Completion)** |