

Phase 2.

Extracts from RIBA 3 Design Report.  
September 2024.

# 0.0 INTRODUCTION

## 0.1 EXECUTIVE SUMMARY

### 0.1.1 INTRODUCTION

This project is for the 1939 Grade II-listed purpose-built Library and Art Gallery to be refurbished, extended and re-purposed as a new Museum and Art Gallery for the town.

The new museum represents the vision to re display some of the town's valuable and varied collections (of c500,000 items) within a new dedicated building, including the relocation of those currently housed at the Tolson Museum. It will celebrate the diversity, history and culture of the town, and look towards its future, focusing on themes of regional significance such as landscape, engineering and textiles.

The Council itself has a significant collection of 20th Century paintings and sculptures, including works by Francis Bacon, LS Lowry and Henry Moore, but much of the collection is currently kept in permanent storage due to insufficient space and the poor condition and relative inaccessibility of the existing galleries. The proposed scheme provides a fantastic opportunity for Huddersfield to showcase its permanent collection, in high-quality purpose-designed spaces, as well as attracting both emerging and acclaimed artists and touring national and international exhibitions.

As an integral part of the Our Cultural Heart development, this new facility will allow engagement with Huddersfield's vast history and vibrant contemporary artistic community, to introduce the town's cultural heritage to a new and wider audience, increasing the inclusivity of this part of the town's cultural offer, and allowing a more ambitious programme of education and events to be realised.

### 0.1.2 PROJECT BACKGROUND

In 2022 the design team submitted Listed Building Consent, Planning and Stage 3 information for the Our Cultural Heart masterplan, which included the refurbishment and extension of the Grade II Library and Art Gallery into a new Museum, alongside a new separate Art Gallery building.

In April 2023, following the Listed Building Consent and Planning Approvals granted in March 2023, the design team were reappointed for a new and revised brief which is to develop a combined Museum and Art Gallery to be accommodated in the former Grade II Library and Art Gallery. The report that follows is based on this new brief.

Further information in relation to the initial Our Cultural Heart masterplan can be found in document CDT430201-FCB-XX-XX-RP-A-010060-P02 KCH RIBA Stage 3 Report.

### 0.1.3 EXECUTIVE SUMMARY

This RIBA Stage 3 Report for Our Cultural Heart Phase 2 Museum and Art Gallery has been compiled by FCBStudios for the conclusion of RIBA Stage 3, with Design Team contributions for their relevant discipline.

From June 2024 to September 2024 the process has been focused on coordinating key areas of design, operation and logistics for the Museum and Art Gallery Service Team. Frequent DTMs, workshops and Service Team engagement meetings have informed the design and identified a number of key topics that have been developed throughout Stage 3. The key activities undertaken in this period include:

- Development of the basement to improve operation
- Roof light and plant location and coordination
- New western stair and lift arrangement
- Development of external step free access to lower ground floor sunken terrace areas
- Coordination of servicing the existing and new build areas
- Review of the admin and support spaces
- Look and feel of main circulation spaces

There are a number of items / risks that have developed throughout these stages of work and need to be addressed prior to RIBA Stage 4 commencing. This list can be found below and in section 2.17 of the report.

- Appointment and coordination of Exhibition / Fit out designer (currently not aligned)
- Confirmation of procurement and programming and receipt of information from fabric surveys / investigations as per FCBS Note 044 (see appendix for information),
- Value Engineering process and possible implications on coordination, programme and Planning / LBC submission.
- Late change to composite concrete slab means this is not yet coordinated.
- Fire suppression system confirmation and coordination.

The Stage 3 Museum and Art Gallery building provides the following area and accommodation, further detail can be found in Section 2.0:

- **GIA Reconfigured Grade II-Listed Library and Art Gallery Building:** 3,468 sqm
- **GIA New Extension:** 2,645 sqm
- **GIA Total:** 6,114sqm
  
- **Art Gallery Display:** 837sqm (inc. 61 sqm shared with circ.)
- **Museum Display:** 1,728 sqm (inc. 328 sqm shared with circ.)
- **Storage & Display Stores:** 435 sqm
- **Admin & Curatorial Space:** 250 sqm
- **Education Space:** 171 sqm
- **Hire Space:** 210 sqm
- **Front of House (Foyer, Reception, Etc):** 376 sqm

# 0.0 INTRODUCTION

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# 1.0 SITE

## 1.1 SITE SUMMARY

### 1.1.1 SITE LOCATION

The Combined Museum and Gallery plot is occupied by the former Huddersfield Library and Art Gallery, a Grade II-listed building dating from 1939 with Art Deco-inspired decorative treatments. The building comprises five floors and is stone and brick masonry over a steel frame with an articulated base, an expressed stepped entrance and simply articulated tall windows to the main reading room spaces.

The location of the plot can be seen within the overall Our Cultural Heart masterplan boundary in the diagram to the right, building 2. The setting is largely formed by the surrounding Huddersfield Town Centre Conservation Area- which lies to the north, east and west- and works to develop Phase 1 of the wider Our Cultural Heart masterplan to the south. To the north and east the existing building faces onto the Piazza shopping centre, where meanwhile uses are currently housed within former retail units.

Service tunnels beneath the public realm surround the existing building and extend along its north, east and western sides. The tunnel to the east ramps up to the lower ground floor level into an open-air service yard.

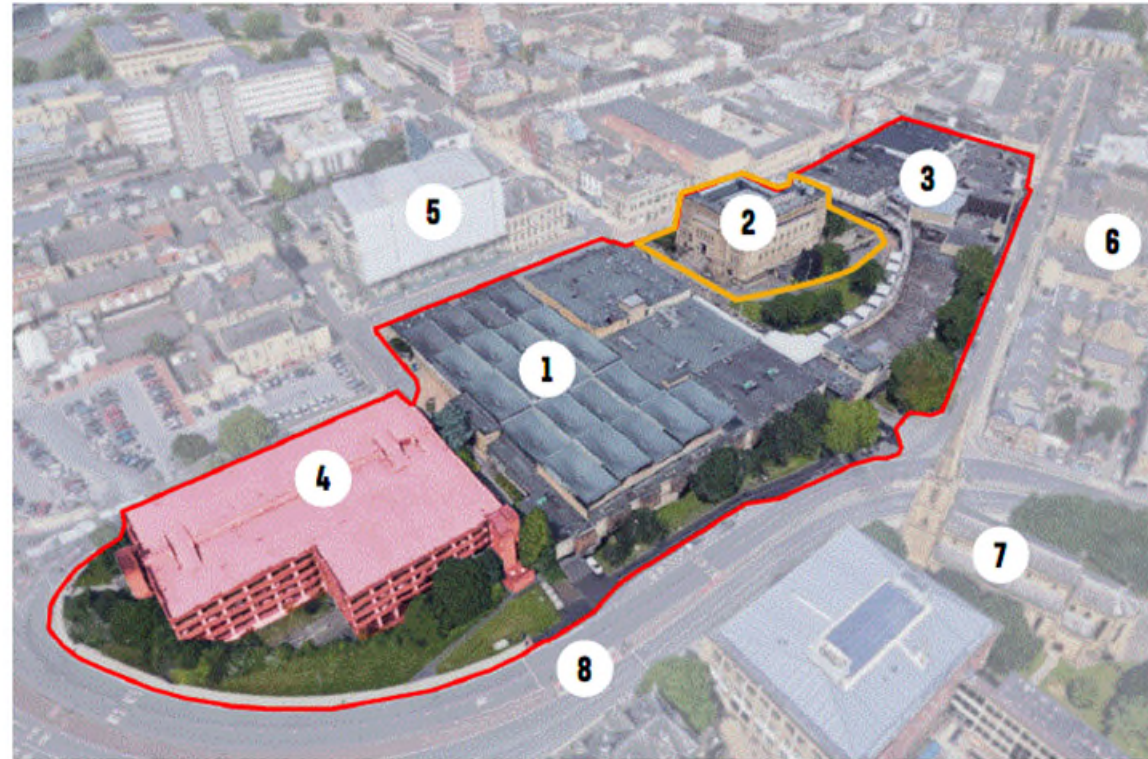




Fig. 1.1.1 Existing Site Location Diagram

#### KEY

1. Queensgate Market (Grade II)
2. Huddersfield Library and Art Gallery (Grade II)
3. Piazza Shopping Centre
4. Former municipal car park (now demolished)
5. Huddersfield Town Hall (Grade II)
6. Lawrence Batley Theatre (Grade II\*)
7. St Paul's Hall (Grade II)
8. A62 Queensgate ring road

-  OCH Masterplan Site
-  Phase 2 Site



# 2.0 ARCHITECTURE REPORT

## 2.3 KEY PLANNING AND LBC CHANGES

### 2.3.1 PLANNING AND LBC CHANGES

Over the course of the revised brief, and as highlighted on the previous pages, there have been a number of changes that have developed leading to a revised Section 73 Planning and LBC submission in September 2024. The key changes from the previous submission are captured in the below and adjacent pages.

#### Design Changes | Plan

- Basement reconfigured / relocated - to accommodate MEP and structural arrangement, Collections Store relocated off site (1)
- New Extension stair, passenger lift and goods lift locations reconfigured (2)
- Central lower ground floor layout and display stores amended (to be included in fit-out works) (3)
- East terrace landscape revised to enable external step free accessible entry / exit to LCF out-of-hours (4)
- Heritage Innovation Activity Space (HIAS) relocated to LCF (5)
- Reconfigured visitor arrival to north - layout re-planned (foyer, cafe, shop, WCs), east entrance omitted, stone piers updated to suit new entrance (6)
- New atrium feature stair amended between UGF and LCF and omitted on upper floors. (7)
- Previous new entrance through east elevation omitted providing greater retention of existing fabric (8)
- Layout and windows to new extension Art Galleries amended (9)
- Reinstatement of top floor as Art Gallery (as 1940 design)
- Increase in GIS provision - layout and service strategy impact
- Reconfigured Art Gallery entrances at Level 01 and 02
- Amended rooflight design
- Admin spaces redistributed

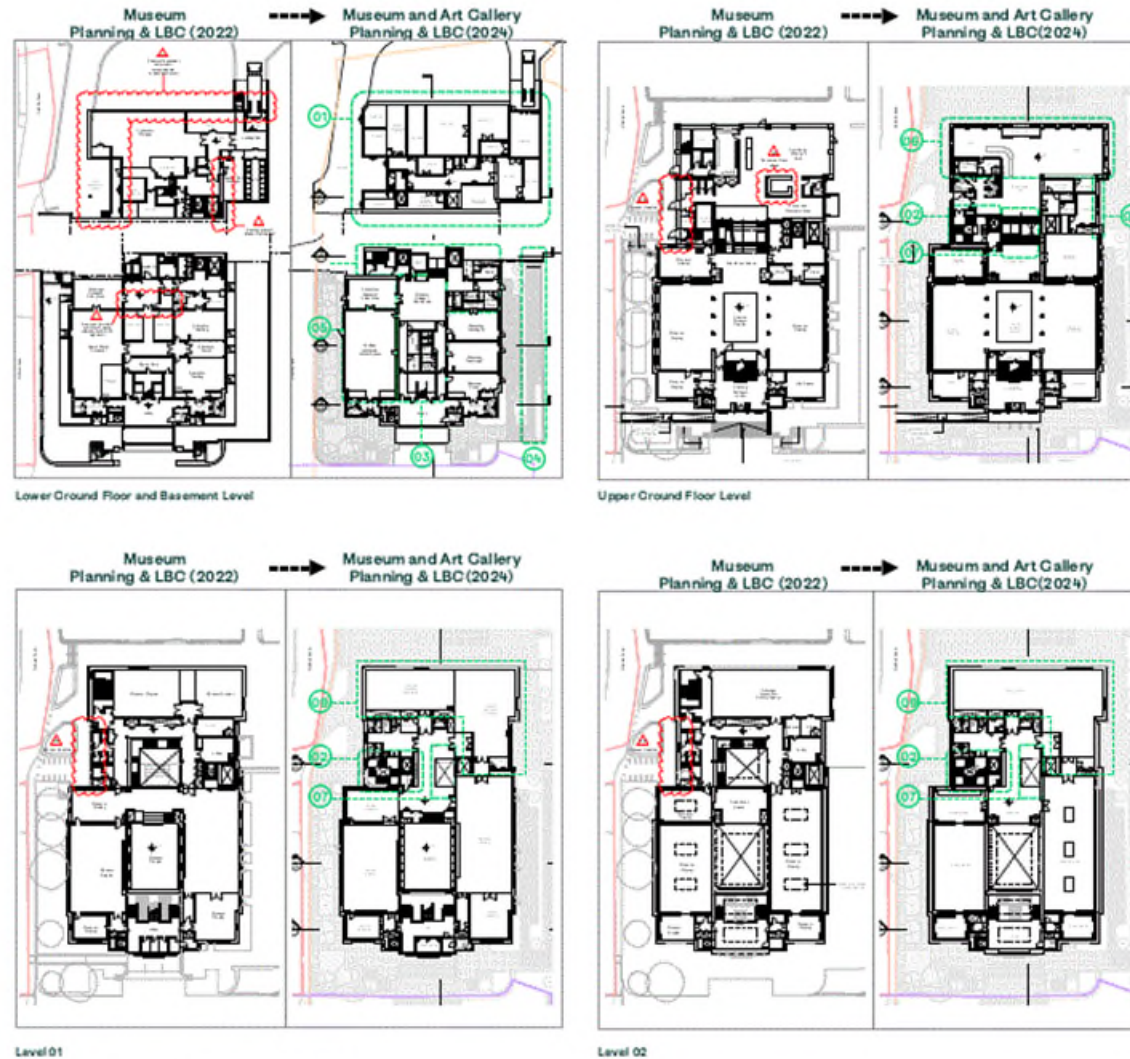


Fig. 2.3.1 Summary of Development in Stage 3

# 2.0 ARCHITECTURE REPORT

## 2.3 KEY PLANNING AND LBC CHANGES

### Design Changes | Elevation

- Facade piers updated to emphasise the new entrance. (1)
- Window locations in extension updated to align with internal layout changes and key views to surrounding context (2)
- New main entrance relocated to the North elevation. Existing windows on level 01 infilled to provide flexibility to Temporary Exhibition space (3)
- Window locations to west new facade updated to suit internal updates and relocation of stair (4)

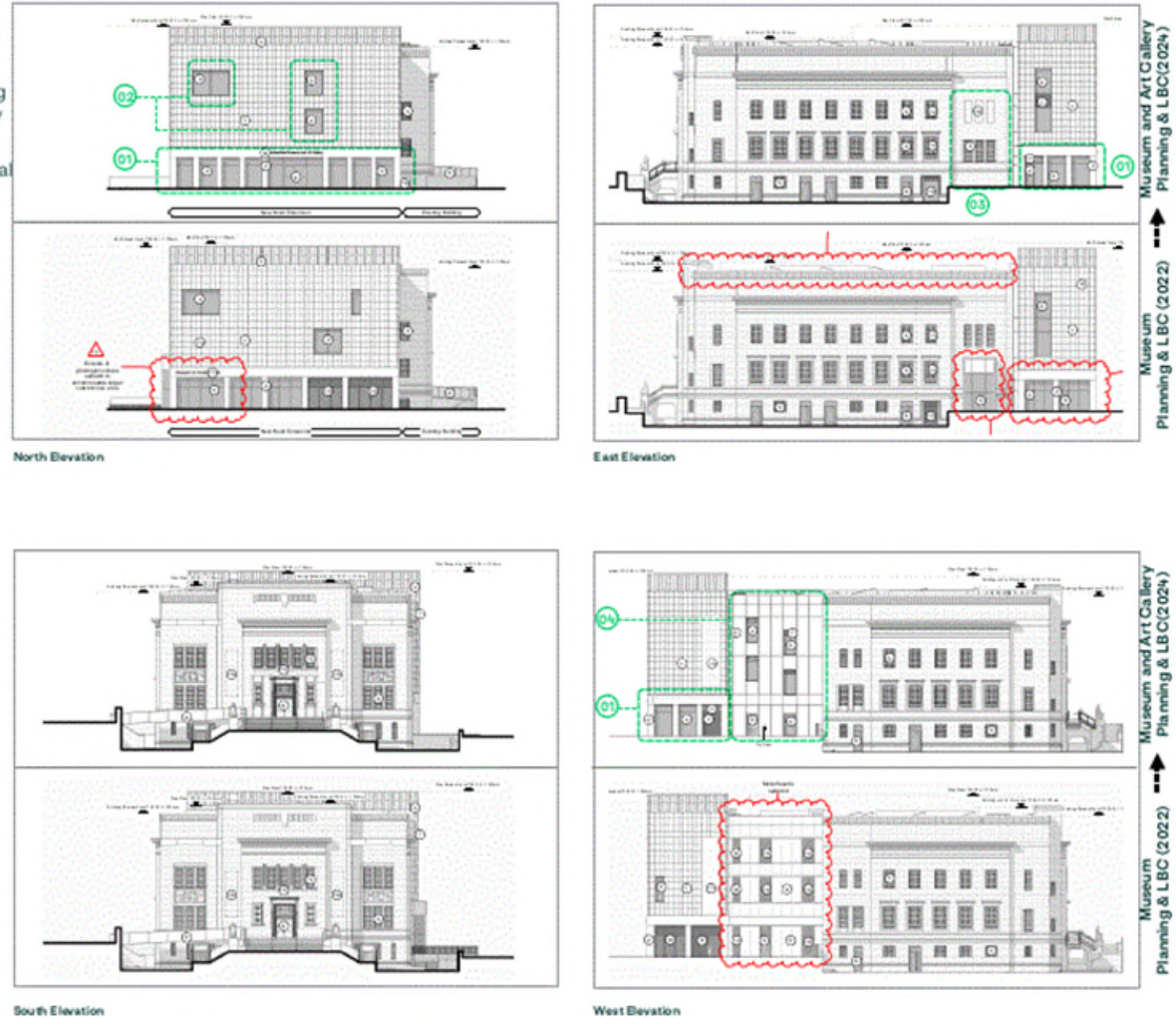


Fig. 2.3.2 Summary of Development in Stage 3



# 2.0 ARCHITECTURE REPORT

## 2.4 LAYOUT AND ORGANISATION

### 2.4.3 UPPER GROUND FLOOR

To bring new life to the building and facilitate its new use as a museum and art gallery, a new extension will sit to the north, and where historic drawings by the original architect show a future extension had been considered.

From this level, internal access can be provided to both the existing lower ground and upper ground levels via a new public lift, service lift and central stair, in a generous entrance foyer. To the west a new stair enables a public route to all floors of the building, sitting adjacent to the existing facade, with new windows providing daylight throughout. The stair has been carefully coordinated to also act as the primary fire fighting stair and a means of escape, exiting out to the west.

The new entrance foyer will be flanked by a cafe to the east, serving light refreshments, and a museum and art gallery shop to the west, both providing active frontage to key corners. Public facilities including WCs, Changing Places, lockers and buggy parks are also located within this area. Staff spaces are dispersed across each floor to support the different functions.

A feature stair connects the UG and LC levels, with an atrium above providing natural light and visibility between all floors. The wall that spans the full height of the atrium enables possibility of digital projection or physical artworks to act as a connection between different uses and levels.

Half a level up, on the existing UCF, visitors will arrive in the central museum display area, in what was the main lending library, beneath the retained daylight. The space is organised by the existing marble columns, with the historic volume of the reading room space still legible, albeit with some alterations to its layout and fittings to suit its new use, and to demarcate this space as an important threshold between the existing building and its new extension. This floor will be the principal museum display and orientation space.

The existing main entrance to the south will continue to function as a primary visitor entrance at the top of the external stairs, with a new ramp from Victoria Lane providing step-free access from the south for the first time. The existing lobby will be carefully restored, providing space for a small lectern reception area. An updated public lift and existing feature stair will provide access to all existing levels.

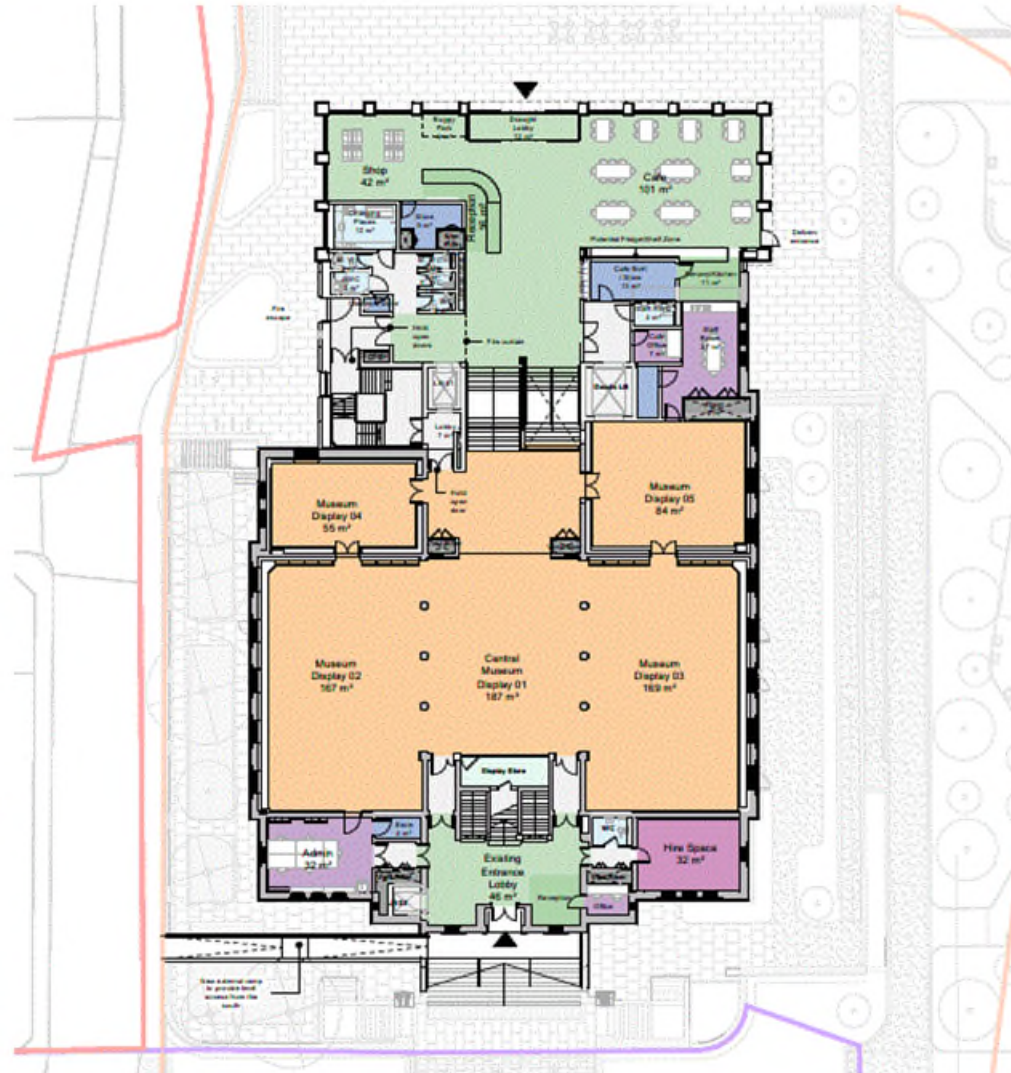


Fig. 2.4.3 Upper Ground Floor plan





# 2.0 ARCHITECTURE REPORT

## 2.7 ACCESS AND INCLUSIVITY

### 2.7.1 ACCESS AND INCLUSIVITY

The proposals new adaption and extension improves accessibility and inclusivity to the existing Library and Art Gallery building alongside its connections to the wider context and masterplan. Level access is provided to all parts of the building and the amendments to the east landscape area enables external level access to the lower ground areas.

All floors have WC's that have a variety of gender-specific superloos, alongside accessible and ambulant disabled WC's. The below highlights the key facilities across the proposed Museum and Art Gallery.

#### Basement Level

- Staff shower and changing room

#### Lower Ground Floor

- A dedicated breastfeeding and baby change room
- A dedicated education quiet room
- A public faith room
- Staff cycle store

#### Upper Ground Floor

- Changing Places room within the new extension foyer
- Buggy and Locker space within the foyer

#### Level 01

- A public Quiet room

The diagrams to the right indicates some of the key access and inclusivity features.

- Passenger Lift
- Goods Lift
- Changing Places Room
- Quiet Room
- Baby change / Breastfeeding room
- Staff shower/ changing
- Buggy store/ lockers
- Faith Room
- Staff Bike Store
- Main Entrance
- Staff Entrance
- Level Access

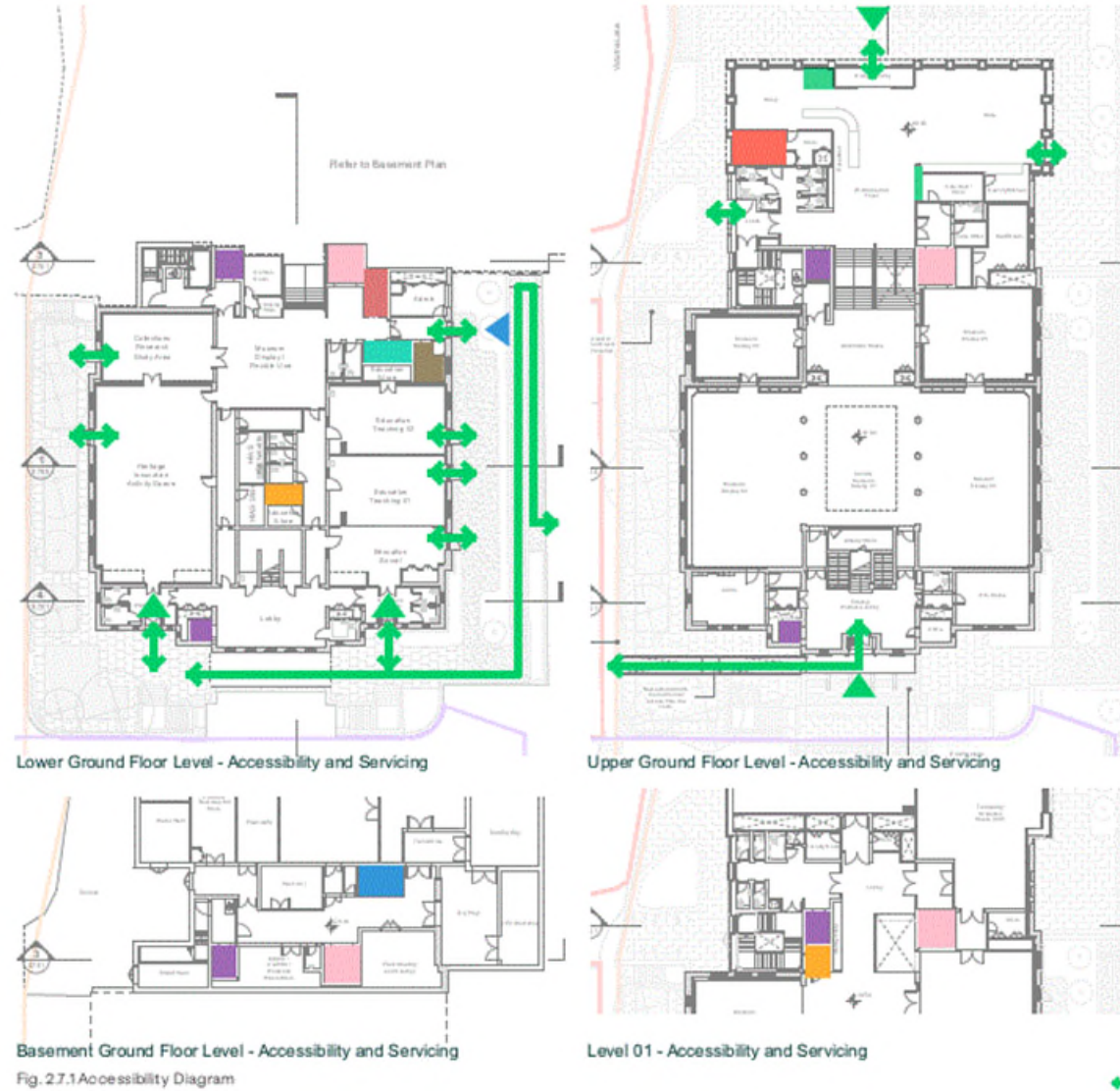


Fig. 2.7.1 Accessibility Diagram



# 2.0 ARCHITECTURE REPORT

## 2.10 VIEWS



Fig. 2.10.1 Museum and Art Gallery south elevation showing existing fabric with new ramp and landscaping - Landscape shown as per final phase of masterplan indicatively



# 2.0 ARCHITECTURE REPORT

## 2.10 VIEWS



Fig. 2.10.2 Museum and Art Gallery east elevation showing both new and existing fabric, looking west - Landscape shown as per final phase of masterplan indicatively



# 2.0 ARCHITECTURE REPORT

## 2.10 VIEWS



Fig. 2.10.3 Museum and Art Gallery west elevation showing new and existing fabric with new north entrance - Landscape shown as per final phase of masterplan indicatively



# 2.0 ARCHITECTURE REPORT

## 2.12 SUSTAINABILITY

### 2.12.1 SUSTAINABILITY GENERALLY

The overarching sustainability principles and ambitions for the Museum and Art Gallery are covered in more detail in the Etude's Stage 3 report.

In summary the following will be incorporated:

- Enhanced insulation performance to the existing external walls
- Enhanced thermal performance to the existing windows with new secondary glazing units
- Enhanced insulation performance across the existing building with a new roof
- Enclosure of the existing central lightwell with a new roof, to reduce heat loss
- Highly insulated new fabric
- High performing new glazing
- Air source heat pump heating system
- No fossil fuel use for heating, cooling or cooking
- Airtight new building fabric
- Efficient modern plant with effective controls
- Roof mounted solar PV panels
- BREEAM Excellent rating

### 2.12.2 BREEAM TARGETS

The Museum and Art Gallery and Phase 2 of the Our Cultural Heart project consists of the following BREEAM Assessments:

- Museum and Gallery combined refurbishment - BREEAM 2014 UK Refurbishment and Fit-Out
- Museum and Gallery combined extension - BREEAM 2018 UK New Construction V6

The two assessments are required to achieve a BREEAM Excellent rating which means achieving a minimum score of 70%.

### 2.12.2 EARLY STAGE BREEAM CREDITS (STAGE 1-2)

To achieve the targeted baseline score, a strategy was set up to initially target the 'Early Action' credits which are to be completed before the end of the Concept Design stage or RIBA Stage 2. These provide a robust base to the target score and cannot be achieved at later stages. The following early actions were undertaken:

Credit	Timescale	Status
1. LE 02-03 - Ecology credits, early advice	RIBA Stage 1 or early in the project's development	Completed
2. Mat 03 - Sustainable Procurement Plan		Completed
3. Mat 06 - Materials Efficiency		Completed
4. Mat 01 - Lifecycle Assessment (LCA)	Prior to planning submission and RIBA Stage 2	Completed
5. Man 01 - BREEAM AP	RIBA Stage 2	Completed
6. Man 01 - Project Delivery Planning		Completed
7. Man 01 - Stakeholder Third Party Consultation		Completed
8. Man 02 - Life Cycle Costing		Completed
9. Hea 06 - Security Needs Assessment		Completed
10. Ene 04 - Passive Design and LZC Report		Completed
11. Tra 01/05 - Travel Plan		Completed
12. Wat 01 - Pre-Demolition Waste Audit		Completed
13. Wat 05 - Adaptation to Climate Change		Completed
14. Wat 06 - Disassembly and Adaptation		Completed
15. Mat 06 - Materials Efficiency		Completed

### 2.12.3 BREEAM CURRENT SCORES

The assessments have seen a number of credits confirmed as achievable during the design and construction stages. The target scores are shown below. Those with lower Baseline targets should still see the addition of a few credits as a margin of 5% over 70% is recommended to comfortably achieve the desired Excellent rating. Scenarios are the following:

**Baseline:** credits that are likely to be achieved.

**Extra:** Credits that are less likely to be achieved but may be possible. These may attract further costs or require additional appointments.

**Achieved:** Score achieved to date.

Assessments	Baseline	Extra	Achieved
Museum & Gallery Extension (New Construction)	77.6%	83.0%	22.8%
Museum & Gallery Refurbishment (Refurbishment & Fit-Out)	74.9%	80.6%	16.7%

### 2.12.4 BREEAM NEXT STEPS

Once the RIBA Stage 3 design is completed, it is proposed to either competitively tender, use a framework, or negotiate the Phase 2 scheme in order to engage a PCSA contractor who will develop the RIBA Stage 4 detailed design and develop the proposed contract sum.

This proposal follows recent reviews of the Phase 1 format.

The design team shall liaise with Kirklees Council regarding their preferred procurement options, and will provide advice, support, and guidance where necessary.



# 3.0 LANDSCAPE & PUBLIC REALM

## 3.4 PHASE 2 LAYOUT

The plan opposite illustrates the phase two design within the context of the existing site condition; i.e. phase one completed, but the remainder of the Our Cultural Heart site as existing with the Piazza shops still in situ.

Refer to pages overleaf for comparison with masterplan consented scheme.

1. Eastern sunken terrace to provide outdoor education space. Resin bound gravel surfacing, with planting to edges of space to soften walls
2. 1:21 sloped access route from street level to lower ground floor level. To be gated
3. Western sunken terrace to be re-graded and re-surfaced to provide level access in and out of building as per consented scheme
4. Southern entrance stair as existing; new handrails and ramp landing
5. Flank stairs as existing
6. Proposed planting with gravel margin to listed wall
7. Seating
8. Existing walls
9. Section of Ramsden Street to be delivered under this phase
10. North-south accessible pedestrian route as per consented scheme
11. Proposed planting
12. Proposed curved stairs to north east and north west building corners
13. Temporary planted embankment
14. Proposed raised planters as per consented scheme
15. Proposed visitor cycle parking (22no. spaces) as per consented scheme

