

BRITISH LIBRARY

MITSUI FUDOSAN

STANHOPE

Rogers  
Stirk  
Harbour  
+ Partners

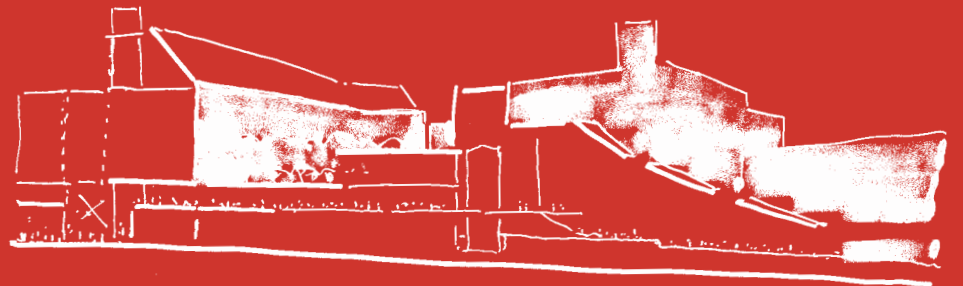
DSDHA

ARUP

The British Library  
02nd February 2021

# DM Forum

Emerging Designs for the British Library Extension



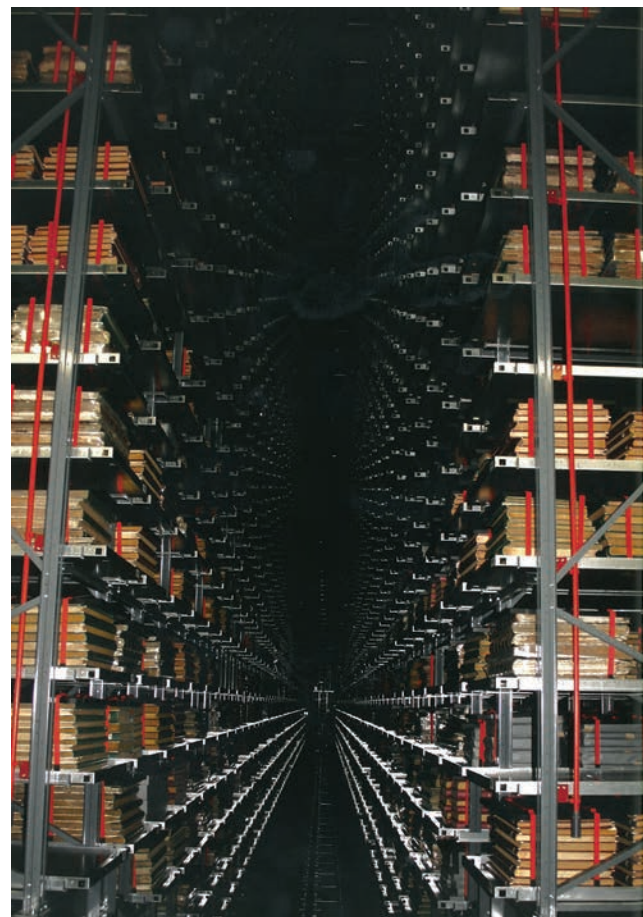
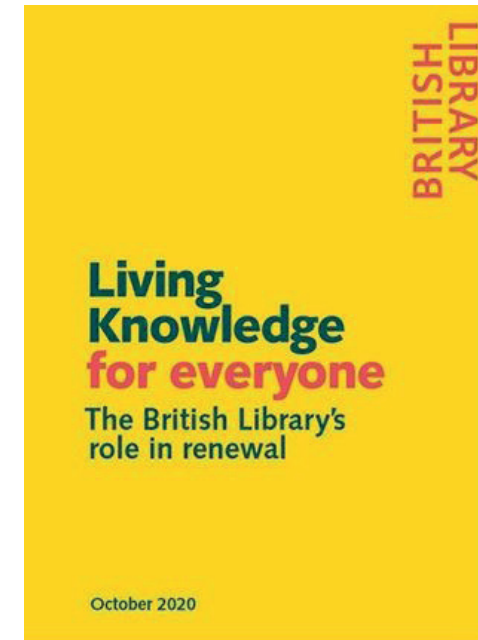


# British Library: A Library for Everyone



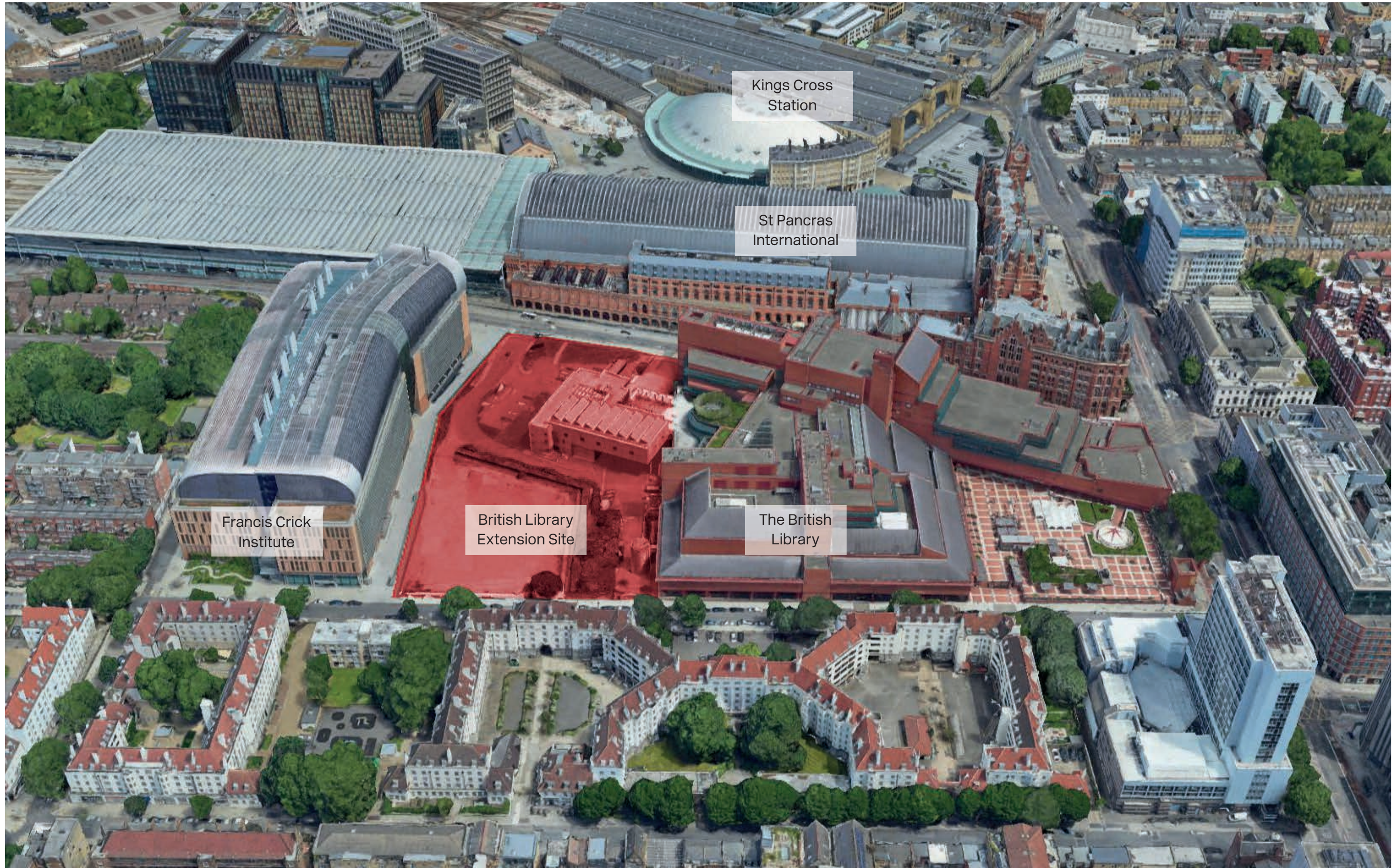
We make our  
intellectual  
heritage  
accessible  
to everyone,  
for research,  
inspiration  
and enjoyment

1. Custodianship
2. Research
3. Business
4. Culture
5. Learning
6. International



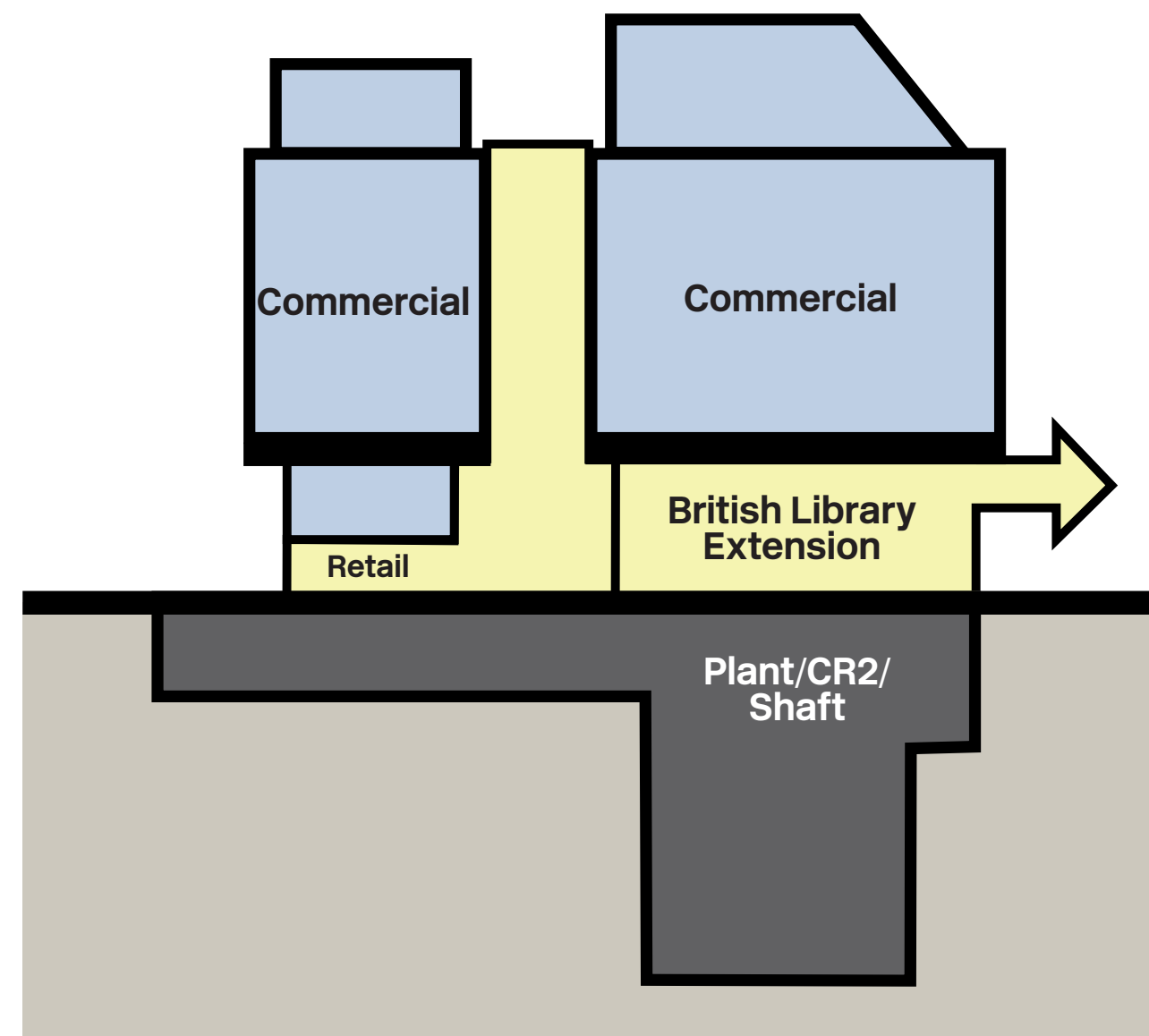
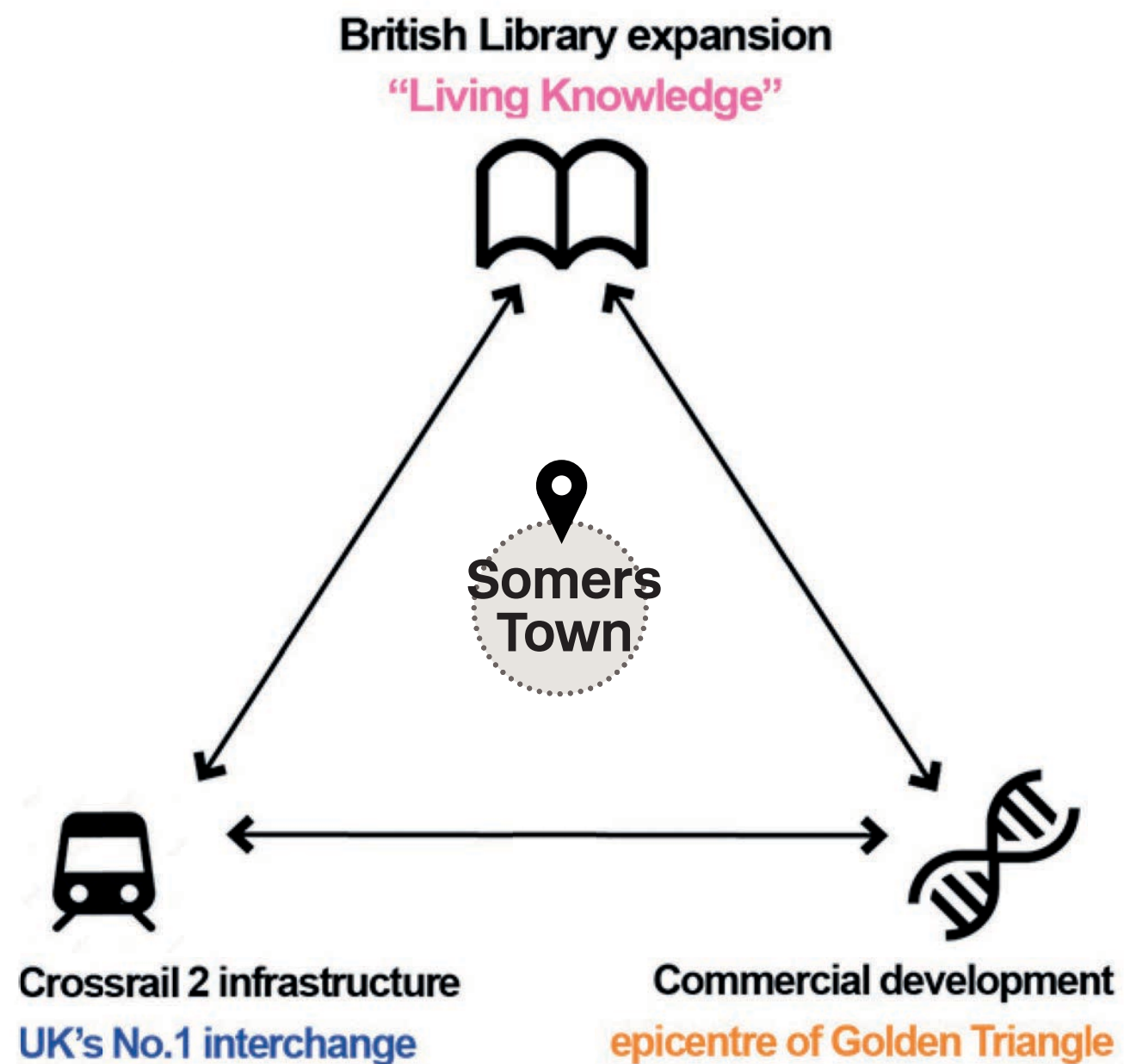


# British Library Site





# A Unique Opportunity: Elements





# The Team

**STANHOPE**  **mitsui FUDOSAN**



**Rogers  
Stirk  
Harbour  
+ Partners**

**ARUP** **DSDHA**

 **LONDON  
COMMUNICATIONS  
AGENCY**

**GERALDEVE** 

**Tavernor**

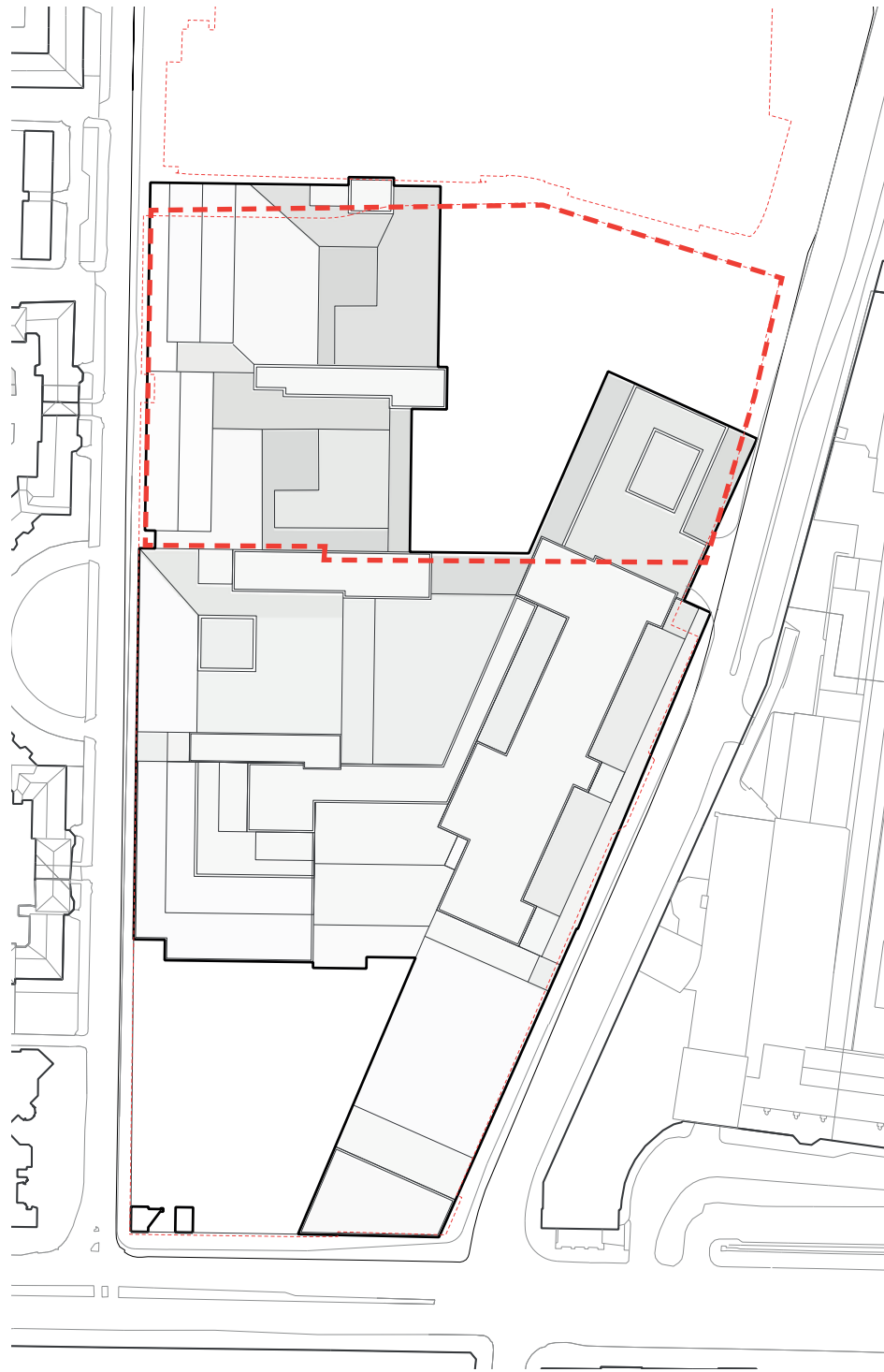


# British Library Extension Proposed Scheme

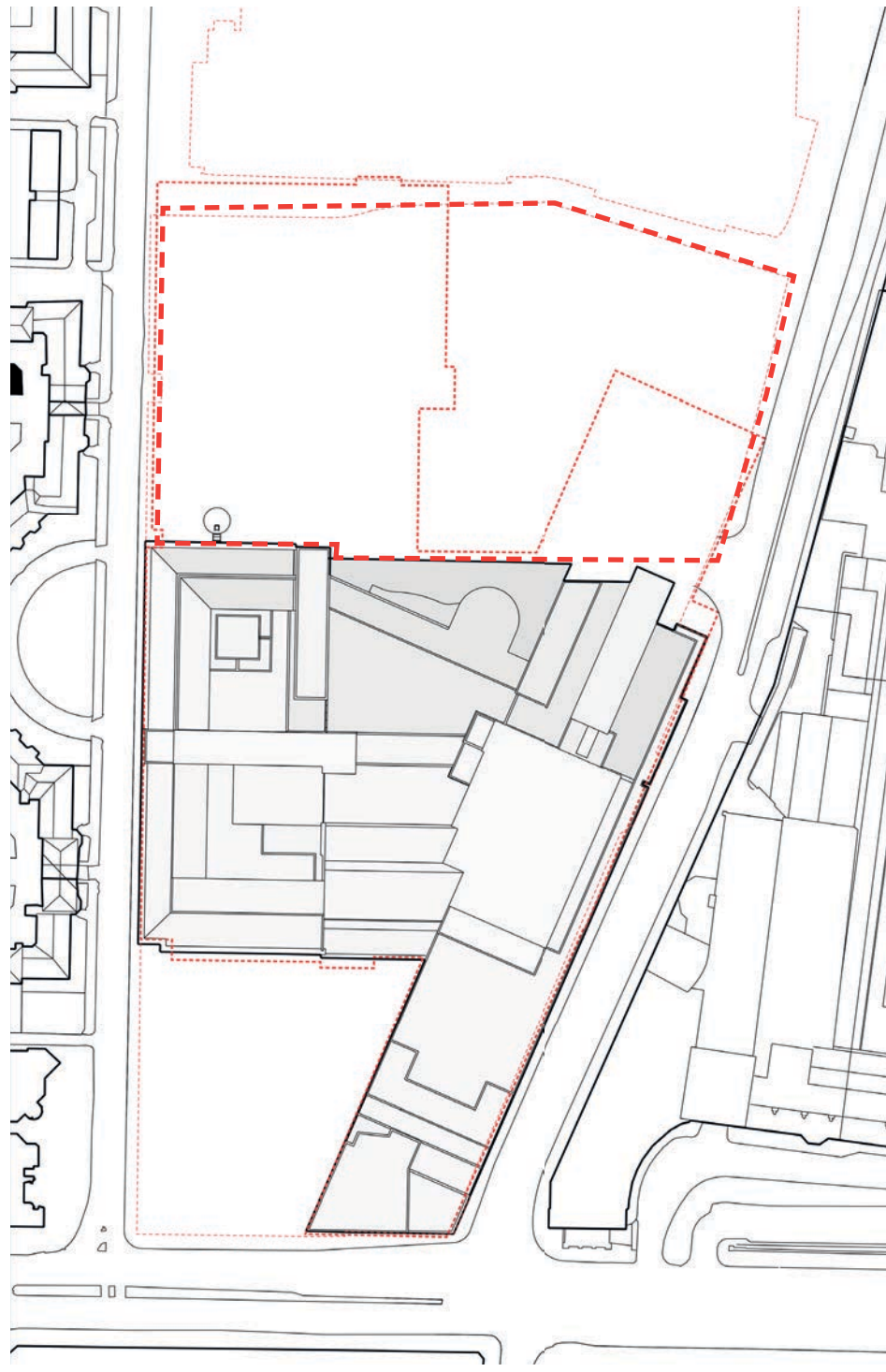




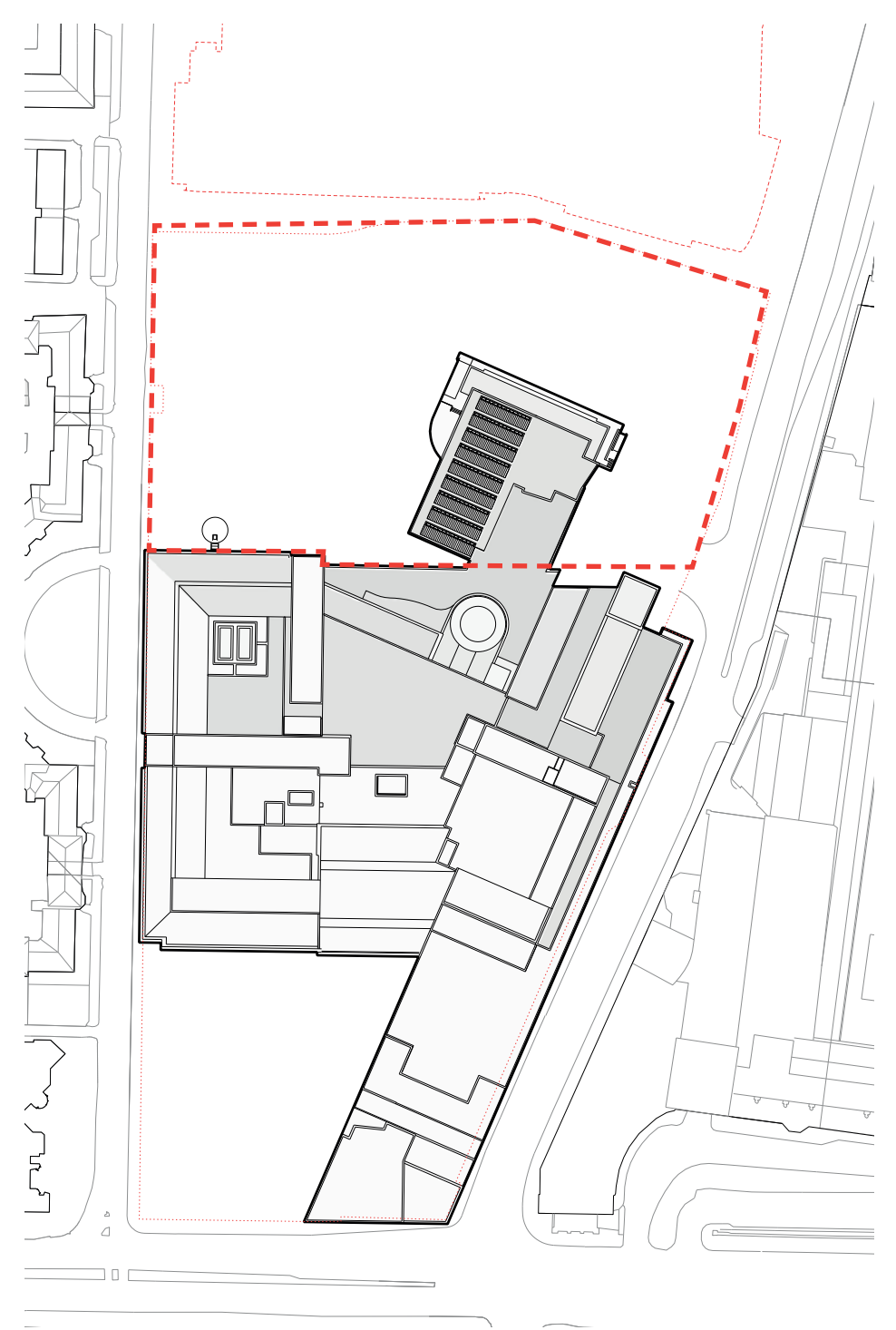
# British Library: Evolution to Present Day



British Library As Conceived **1978**



British Library Constructed **1998**



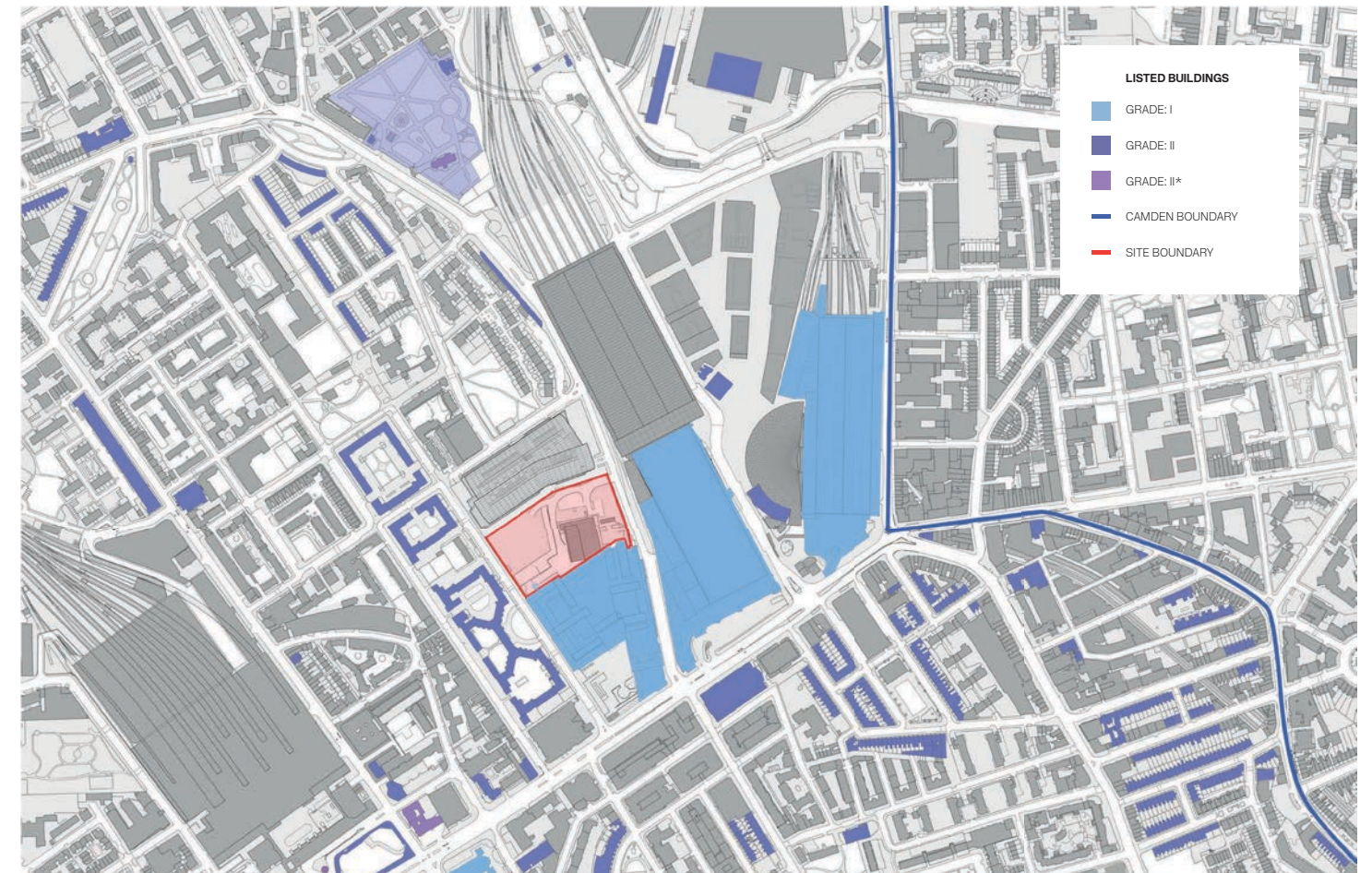
British Library with BLCC Extension **2007**



# Context: Conservation Areas and Listed Buildings



Conservation Areas



Listed Buildings



St. Pancras New Church



St. Pancras Station



Levita House



King's Cross Station



Midland Hotel



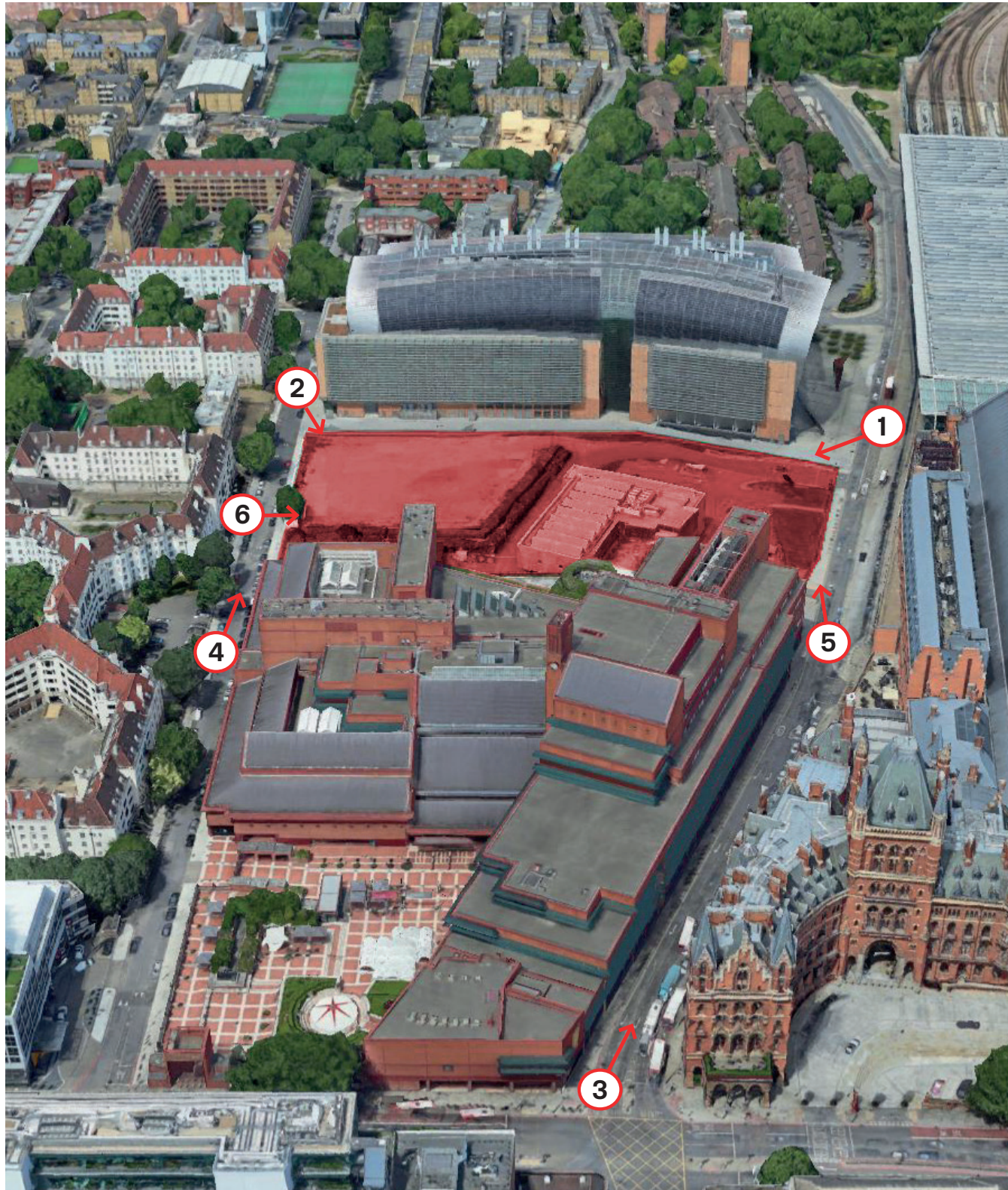
Camden Town Hall



Chamberlain House



# British Library Site Northern Boundary



Site Aerial View Looking North



View of British Library Extension Site from **Midland Rd Looking South**



View of British Library Extension Site from **Ossulston Street Looking South**



# British Library Site East & West Boundaries



View of Existing British Library From **Euston Road Looking North**



View of British Library Extension Site from **Midland Rd Looking North**



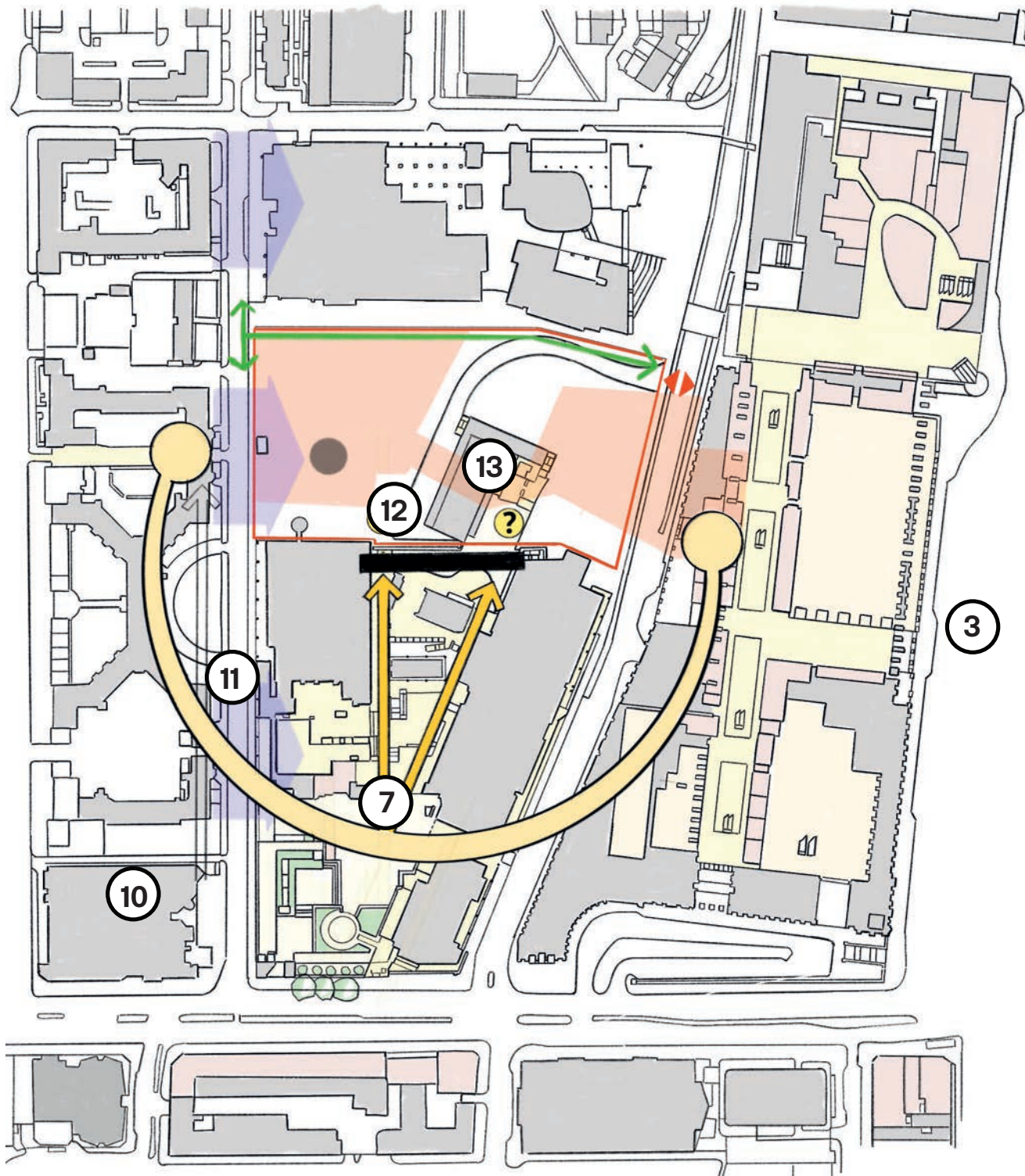
View of British Library Extension Site from **Ossulston Street Looking North**



View of Existing British Library From **Ossulston Street Looking East**



# British Library: Existing Condition



Above Ground Constraints Plan

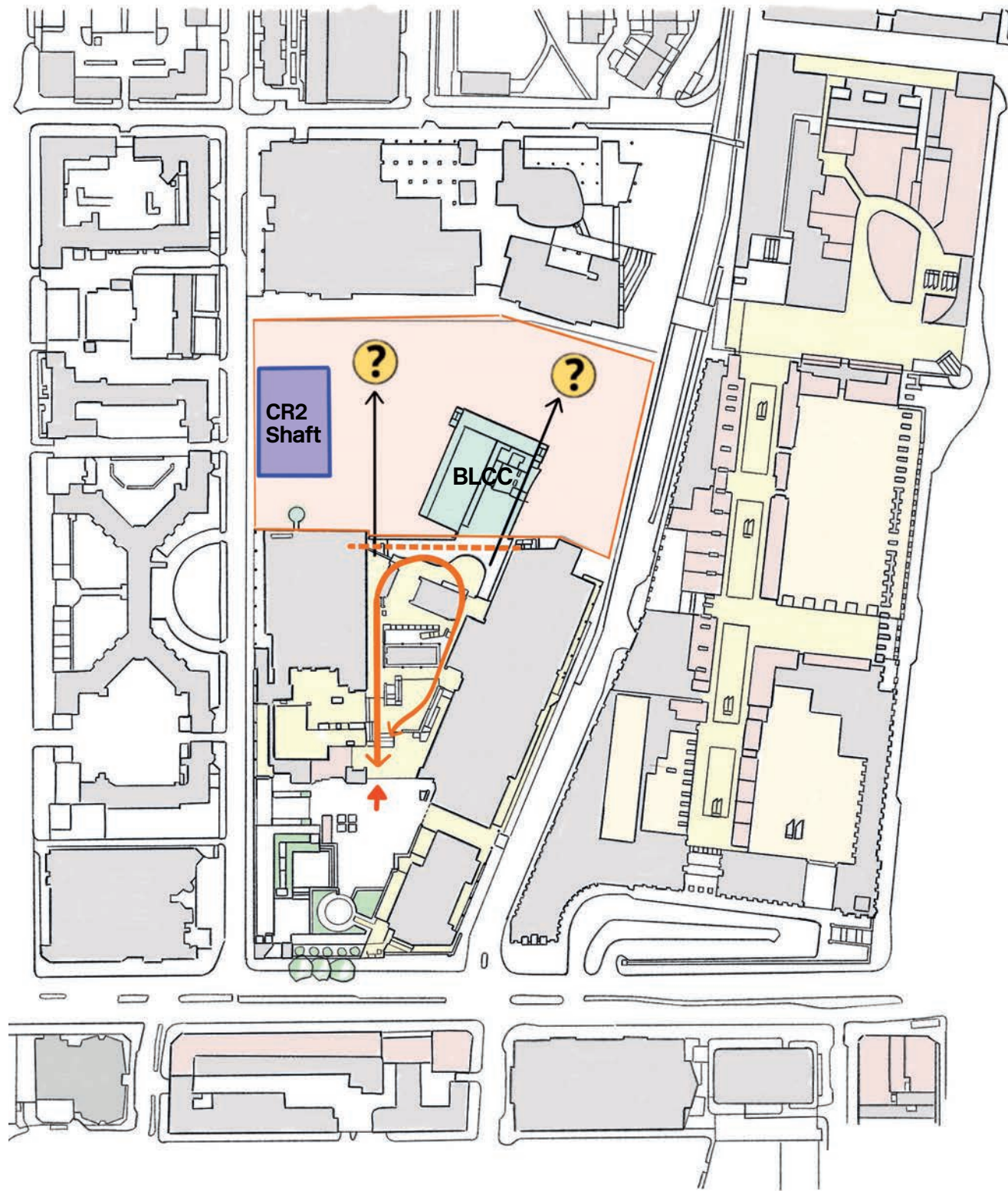


Below Ground Constraints Plan

- |                                     |   |
|-------------------------------------|---|
| 1. Tank Farm -                      | 8. TFL Indicative Midland Road Ticket Hall  |
| 2. Services Corridor                | 9. Thameslink Tunnel  |
| 3. Projected CR2 Tunnels            | 10. Aspect from Neighbours  |
| 4. Existing Northern Line Tunnels   | 11. Public Route  |
| 5. Existing Piccadilly Line Tunnels | 12. Safeguarding CR2 Works  |
| 6. Existing Victoria Line Tunnels   | 13. BLCC: The Library is required to operate continuously through the construction period . |
| 7. Proposed CR2 Station Shaft       |   |



# British Library: Existing Condition



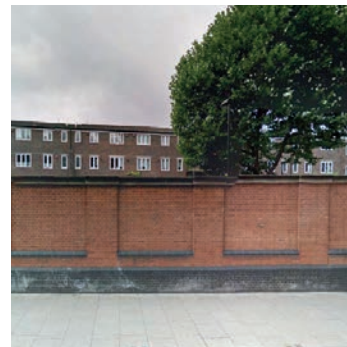
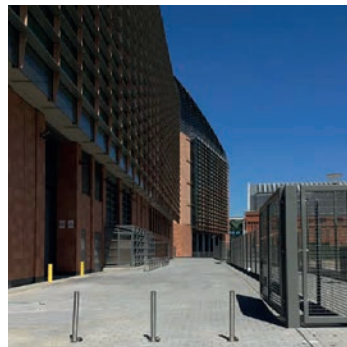
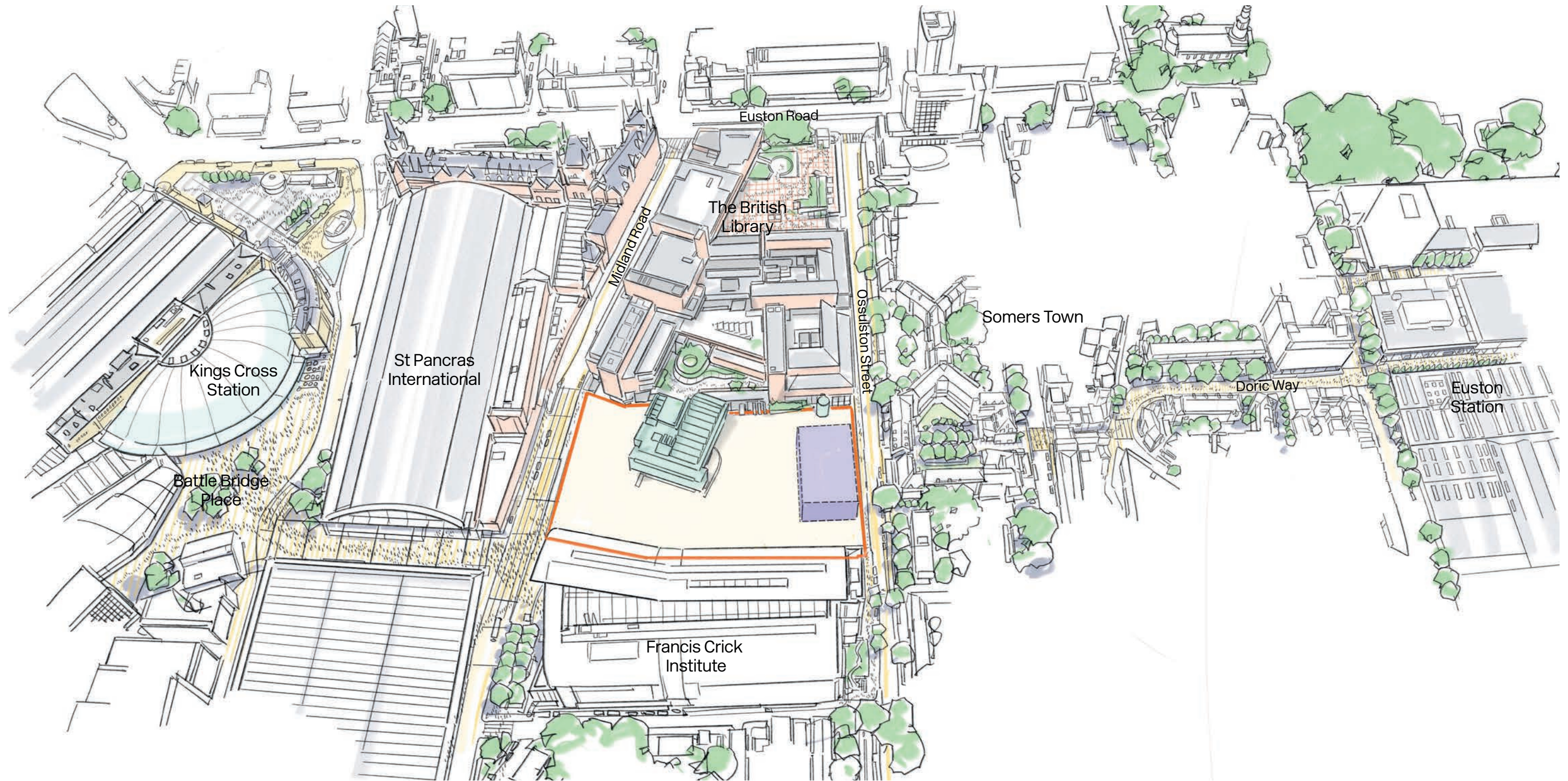
Existing Plan Identifying Cul de Sac Nature of Circulation



Existing Internal View of British Library / Existing North Facade

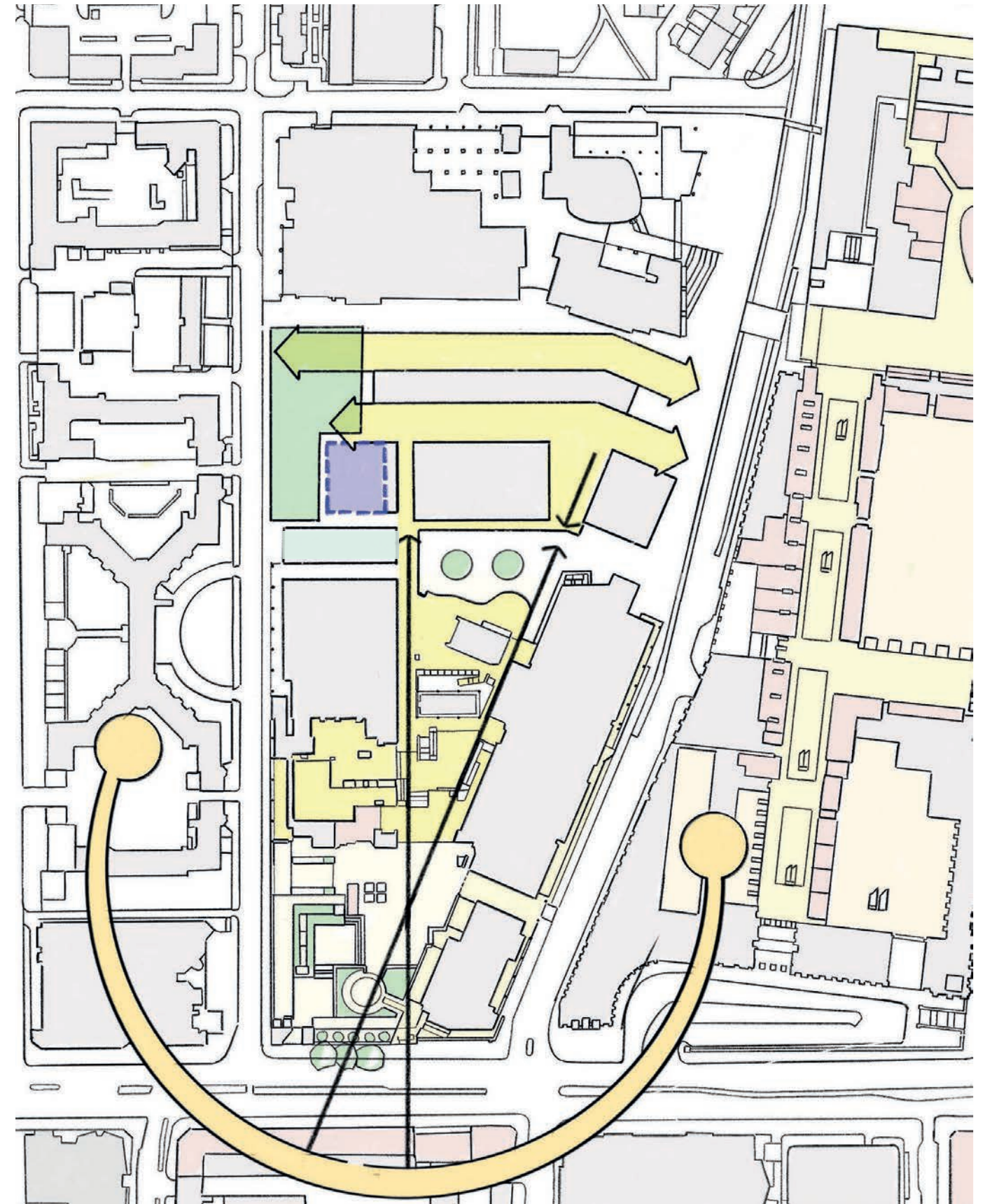
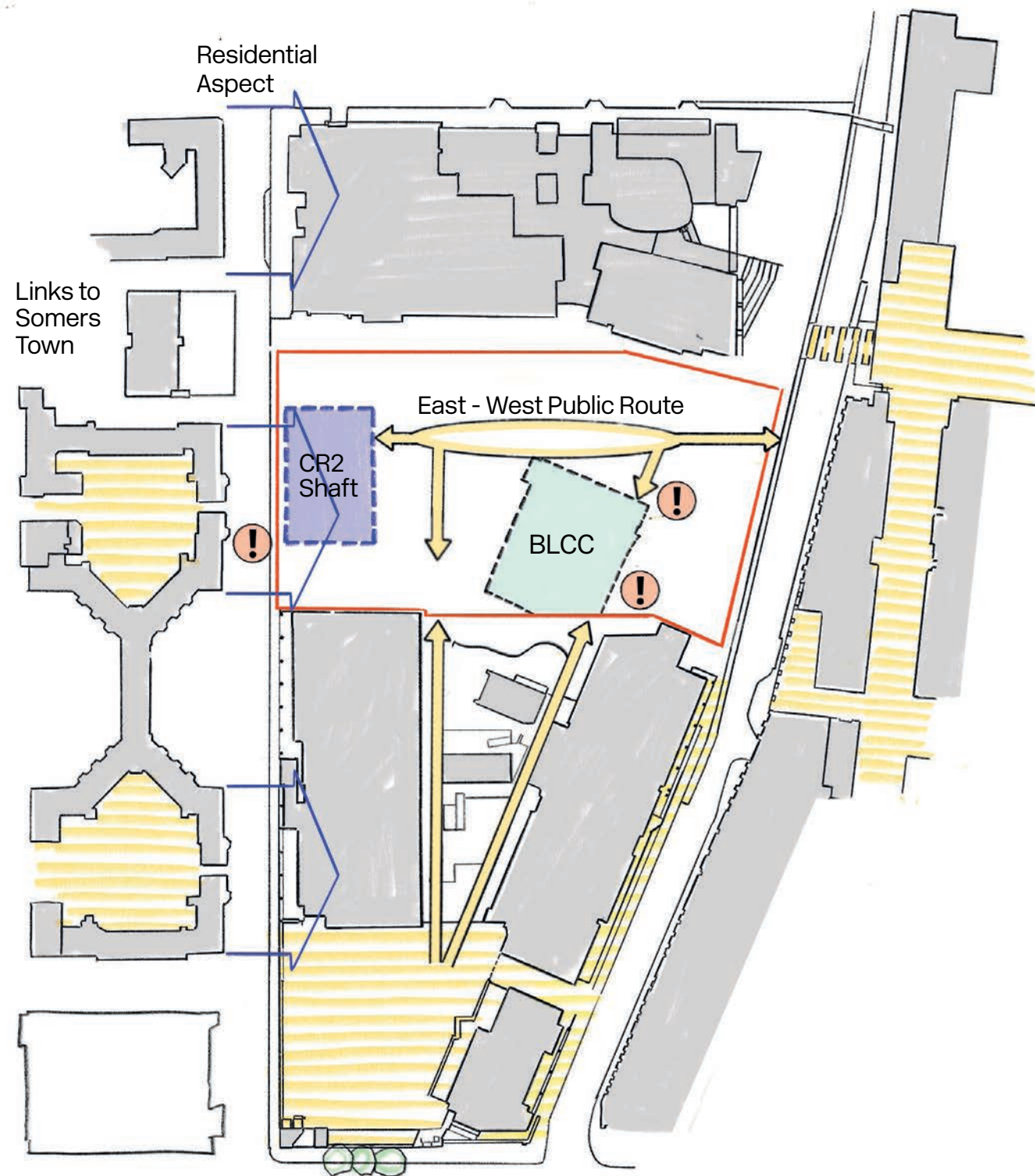


# British Library: An Opportunity to Connect





# British Library: An Opportunity to Connect



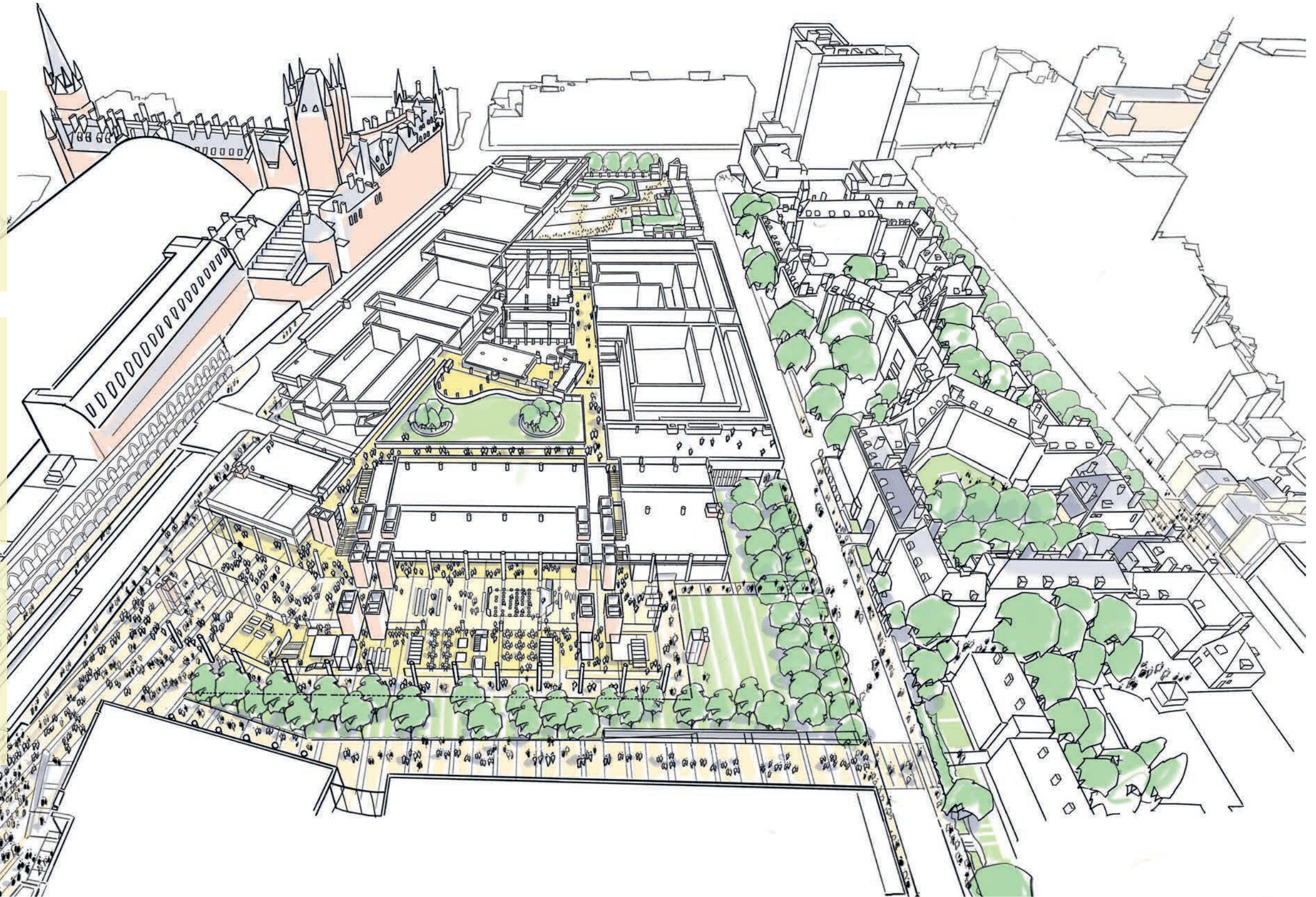


# A Library for Everyone

**Provision of a major cultural space for London.**

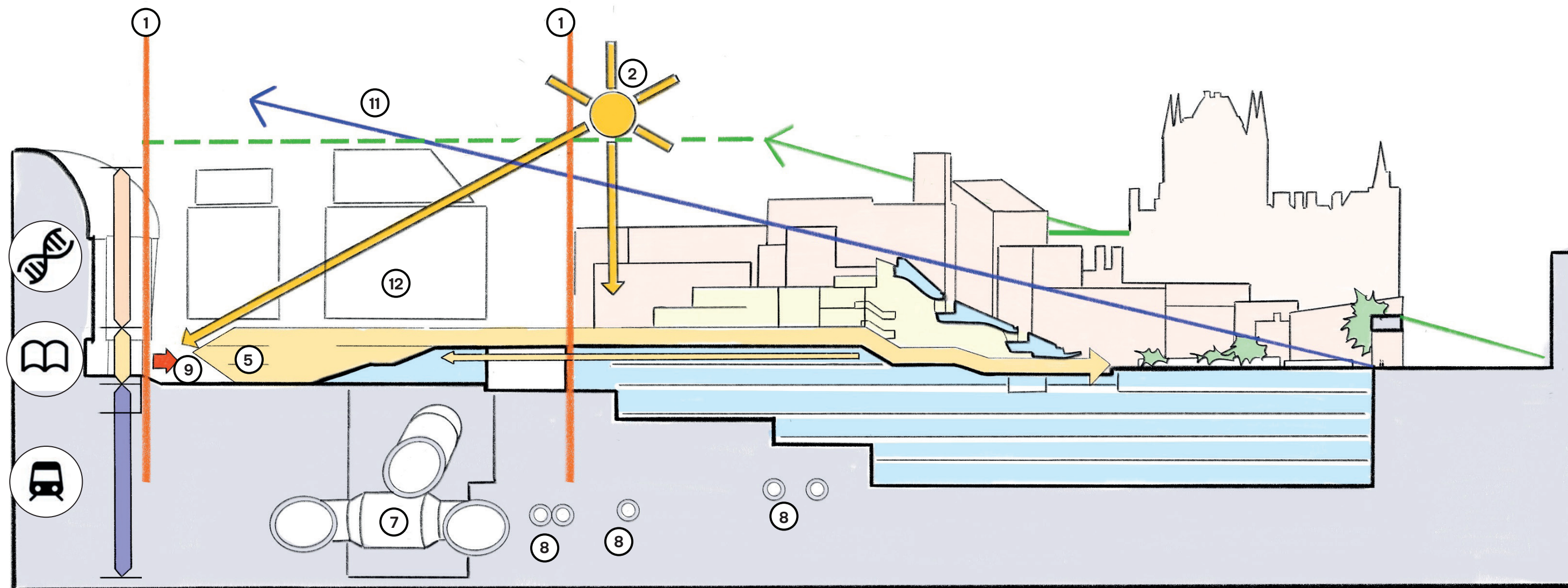
**SMBL & British Library will support a programme of events.**

**Creating New North / South & East / West Routes.**





# British Library: Proposed Section



N/S Site Constraints Section

- |  |   |
|--|---|
| 1. Development area                                      | 6. Francis Crick Institute  |
| 2. Impact considerations including daylight and sunlight | 7. Safeguarded CR2 infrastructure                                     |
| 3. Public routes of Dangoor Walk                         | 8. Existing Tube Line tunnels   |
| 4. Loading bay at ground floor level                     | 9. New Northern entrance to Library                                   |
| 5. Required Library extension over three floors          | 10. Height Limit defined by local view over St. Pancras Barlow's shed |
|  | 11. Backdrop views from existing British Library entrance forecourt   |
|  | 12. Proposed development  |



# The Emerging Design: Development Objectives



Foyer View Looking East Towards St Pancras



# The Emerging Design: Development Objectives

1

A Library for **Everyone.**





# The Emerging Design: Development Objectives

1

A Library for **Everyone**.

2

At the Heart of the **Knowledge Quarter**.





# The Emerging Design: Development Objectives

1

A Library for **Everyone**.

2

At the Heart of the **Knowledge Quarter**.

3

Building for a **Changing Climate**.





# The Emerging Design: Development Objectives

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A Library for **Everyone**.

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At the Heart of the **Knowledge Quarter**.

3

Building for a **Changing Climate**.

4

Responding to **Urban Context**.





# The Emerging Design: Development Objectives

1

A Library for **Everyone.**

2

At the Heart of the **Knowledge Quarter.**

3

Building for a **Changing Climate.**

4

Responding to **Urban Context.**

5

**Public Realm.**





# The Emerging Design: Development Objectives

1

A Library for **Everyone**.

2

At the Heart of the **Knowledge Quarter**.

3

Building for a **Changing Climate**.

4

Responding to **Urban Context**.

5

**Public Realm**.

6

Benefitting the **Community**.

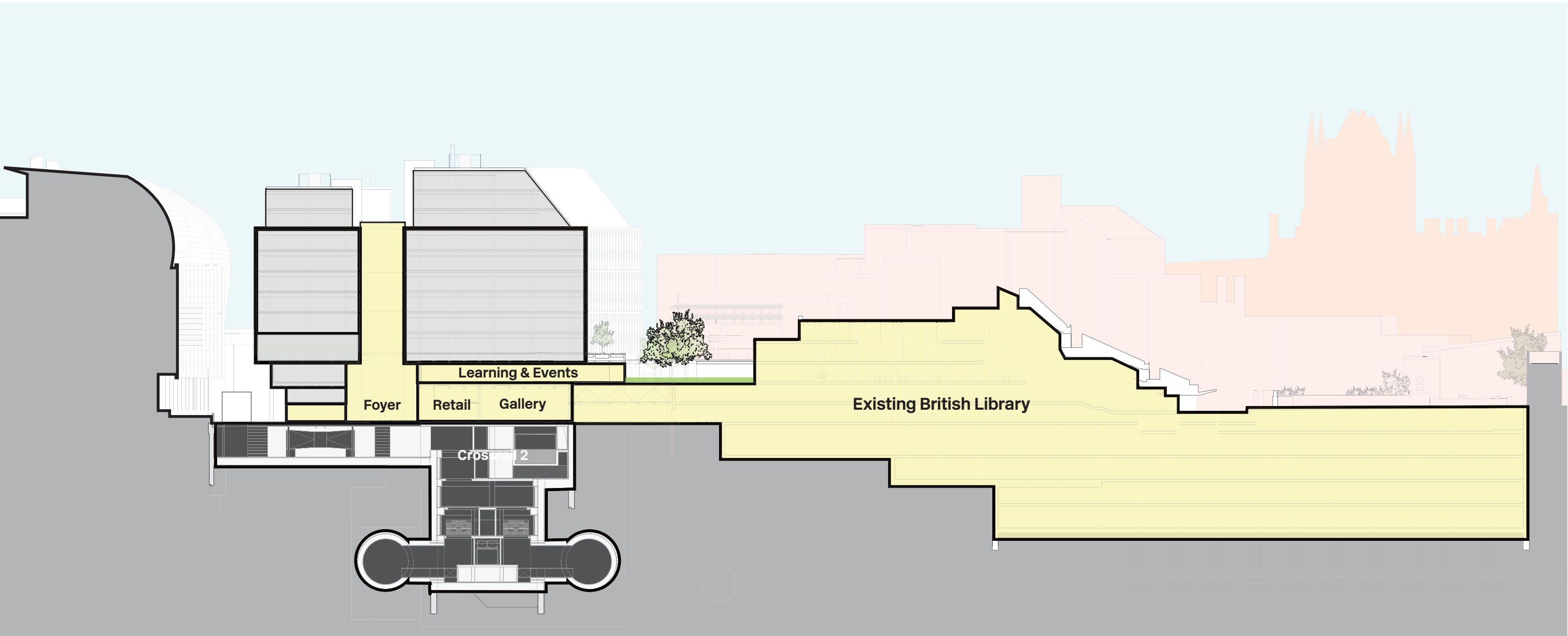


# A Library for Everyone



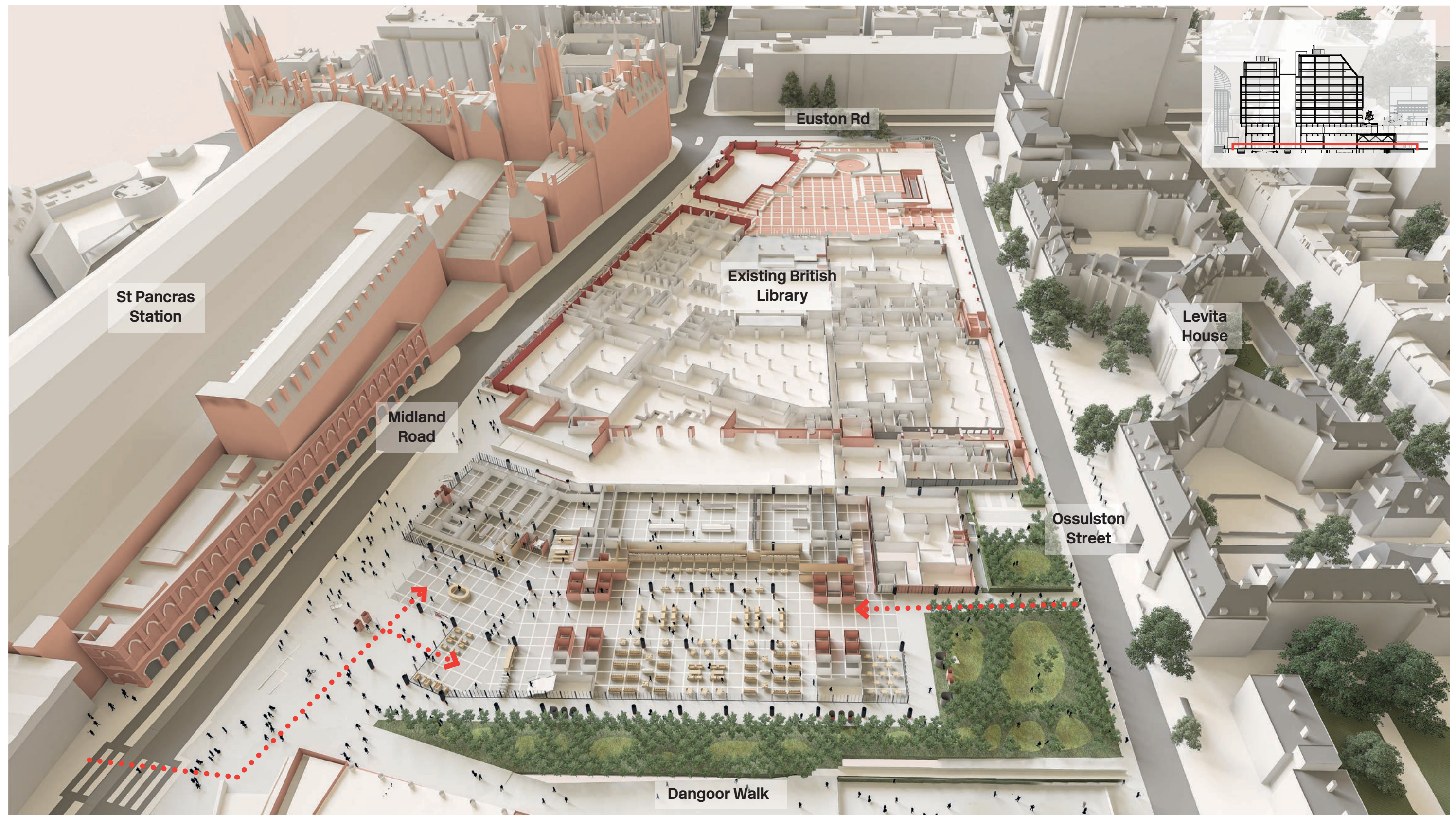


# Extension to a National Institution





# A New Publicly Accessible Foyer Space



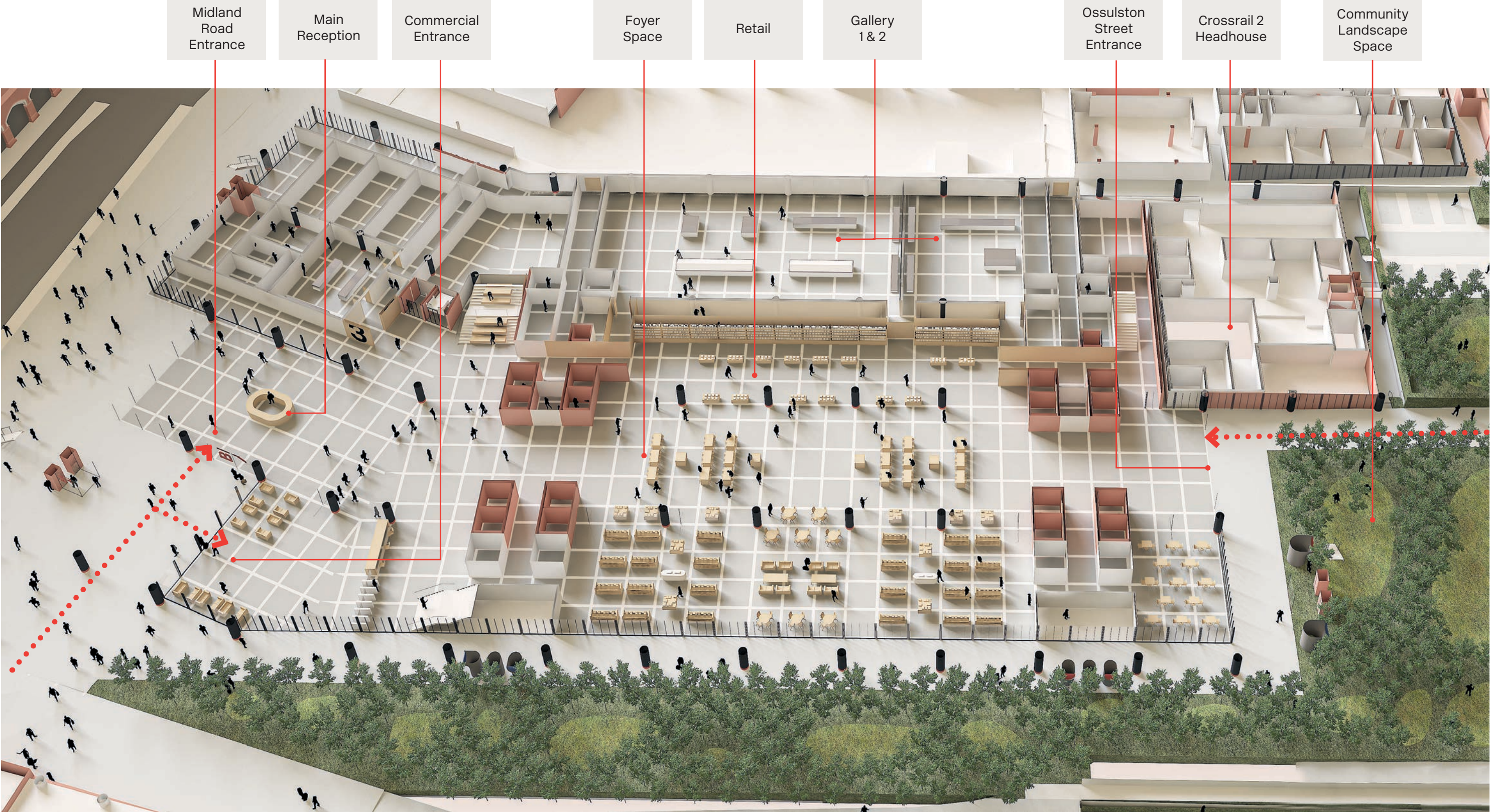
Lower Ground Plan Cut Looking South

1

A Library for **Everyone.**



# A New Publicly Accessible Foyer Space



Lower Ground Plan Cut Looking South

1

A Library for **Everyone.**



# Foyer Space



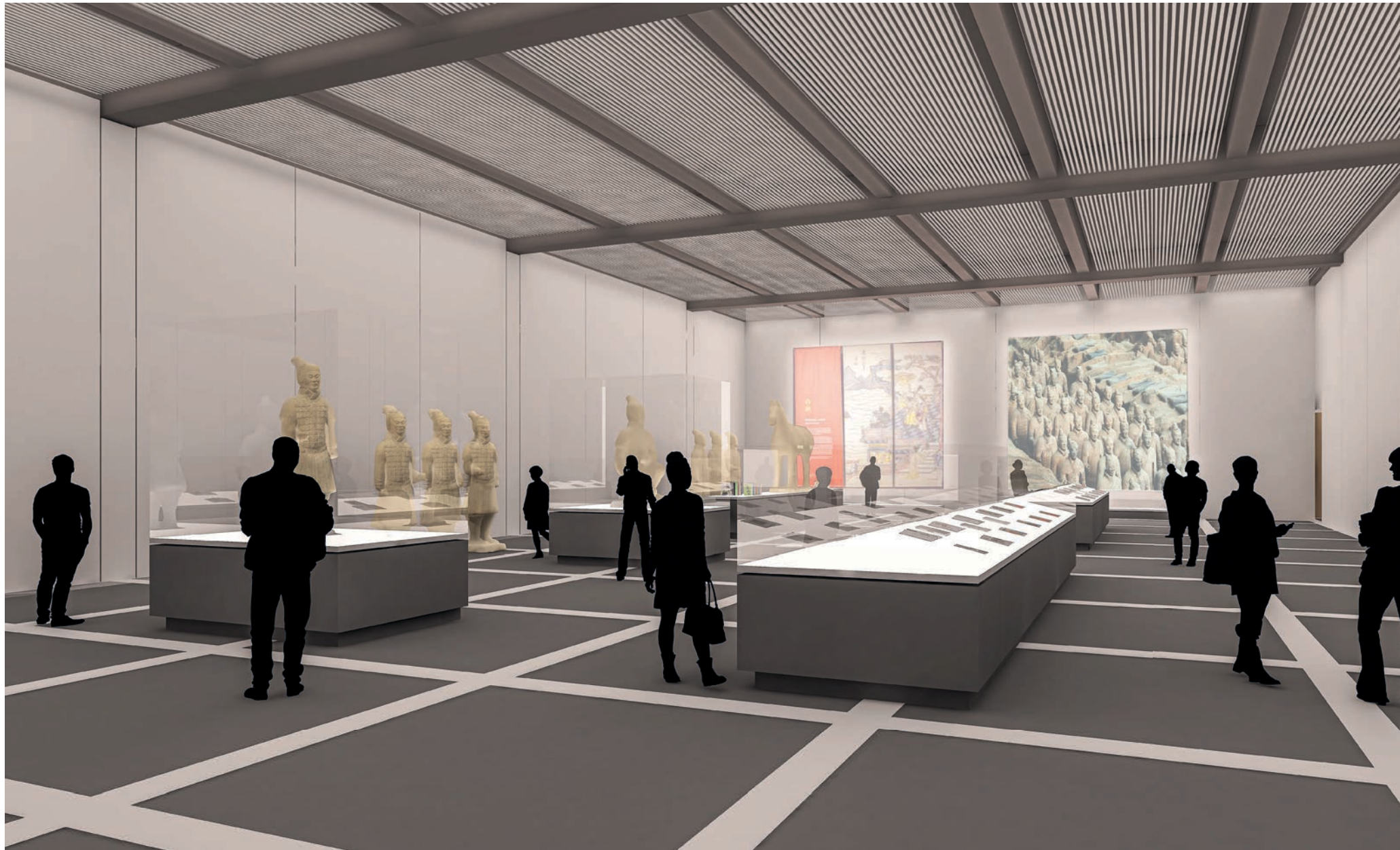
Foyer Atrium Space Looking West Towards Ossulston Street



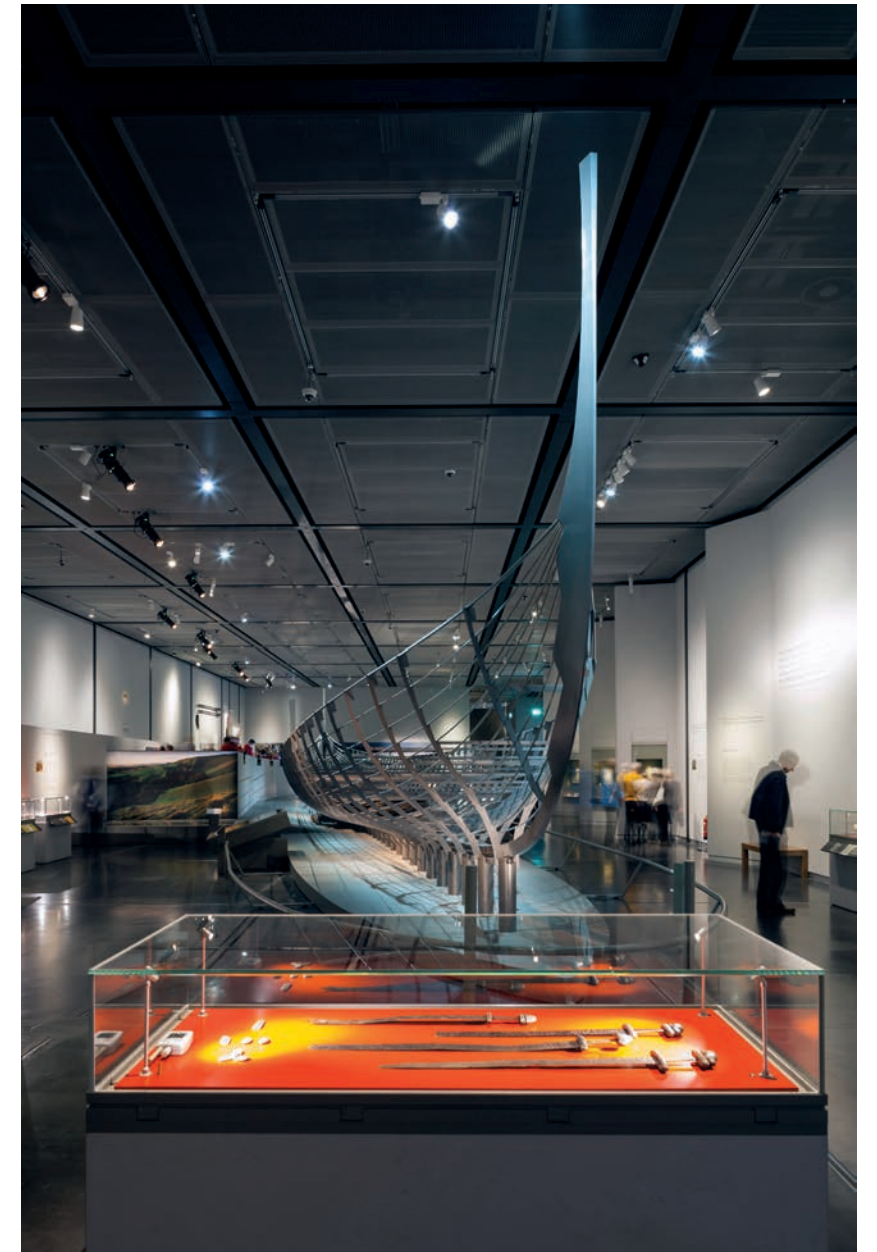
View of Stairway to L01 Terrace (Top),  
Francis Crick Institute Atrium (Mid), Rijksmuseum  
Atrium (Bottom)



# New Galleries



View of Main Gallery 1 Exhibition Space



British Museum Exhibition Space (RSHP)



# Level UG Plan Cut Looking South

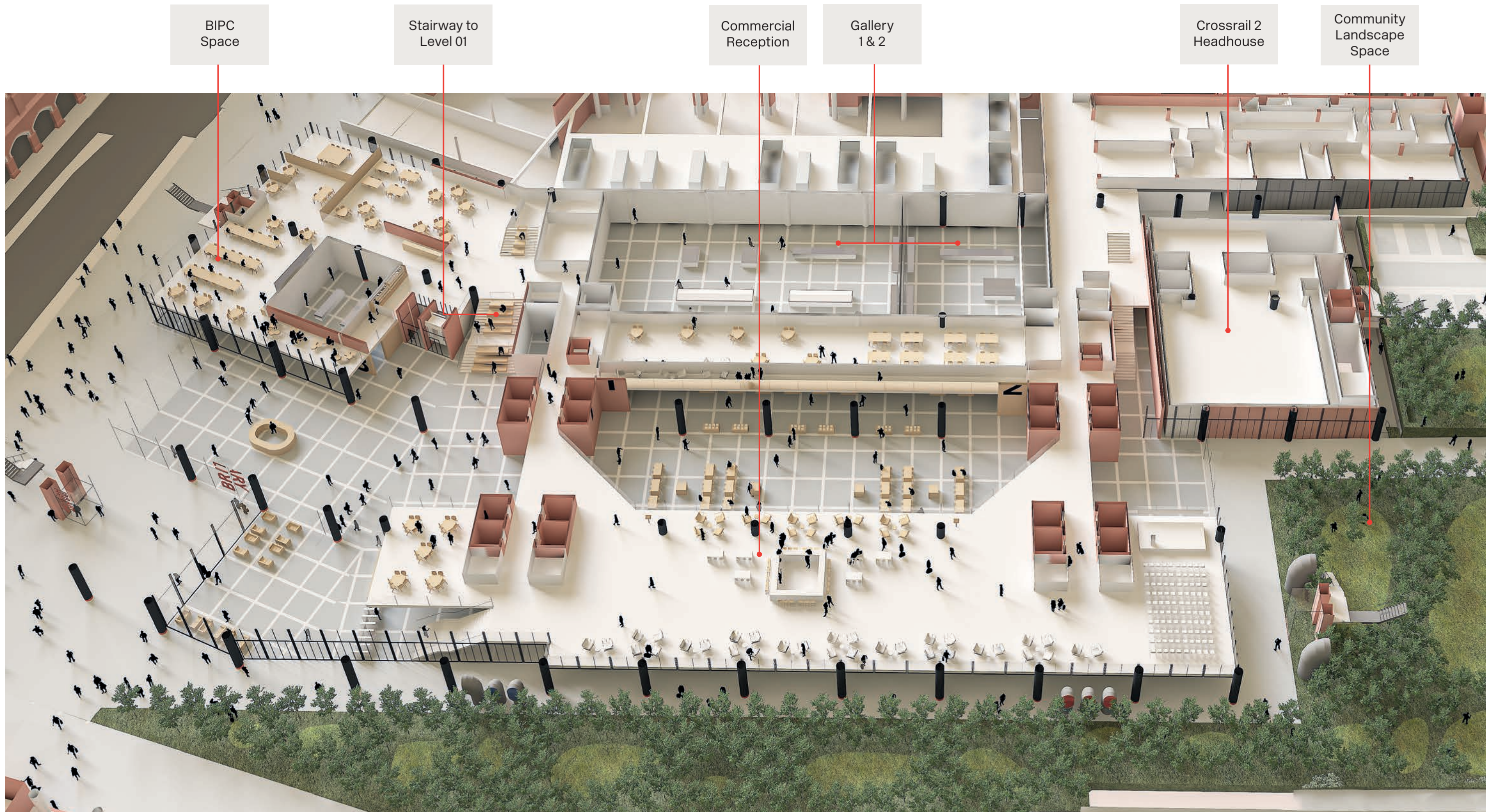


1

A Library for **Everyone.**



# Level UG Plan Cut Looking South





# New Business & IP Centre (BIPC)



Internal View of BIPC Space



Wework Dallas (Top), Centre Building at The LSE (Mid), L14 Ledenhall Building Modelshop (Bottom)



# Level 01 Plan Cut Looking South

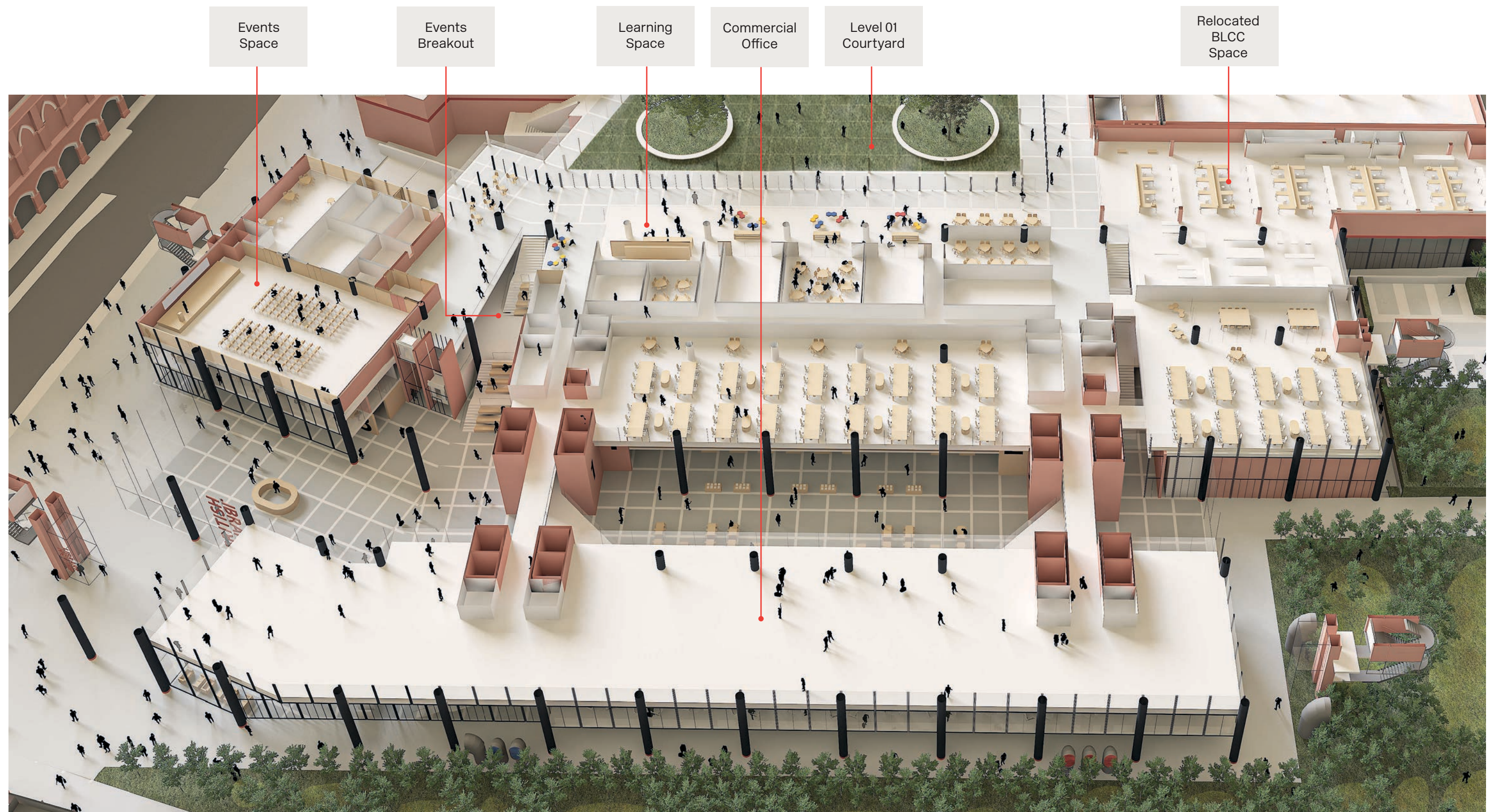


1

A Library for **Everyone.**



# Level 01 Plan Cut Looking South



1

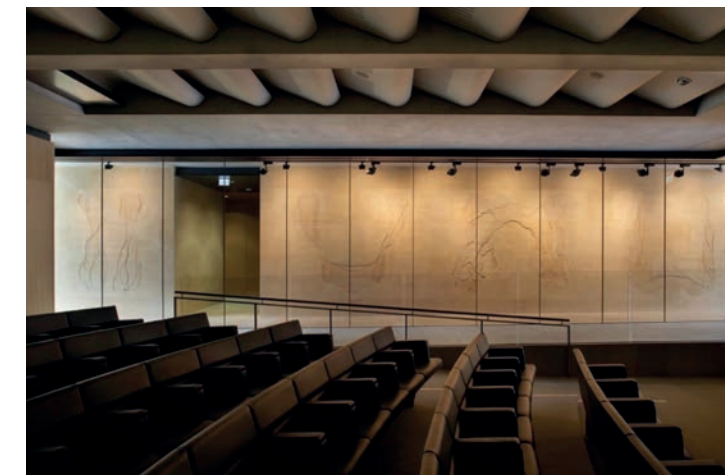
A Library for **Everyone.**



# New Events Space



Internal View of Events Space & Breakout Space



Sainsbury Laboratory Cambridge (Top), CERN Science Lecture Theatre (Mid), Lenfest Centre for Arts (Bottom)

1

A Library for **Everyone.**



# New Learning Spaces



View of Learning Reception Looking Out to Terrace



View of Learning Space Looking out onto L01 Terrace



Whittle School Washington DC



Thurston Elementary School Springfield



# A New Landscaped Courtyard



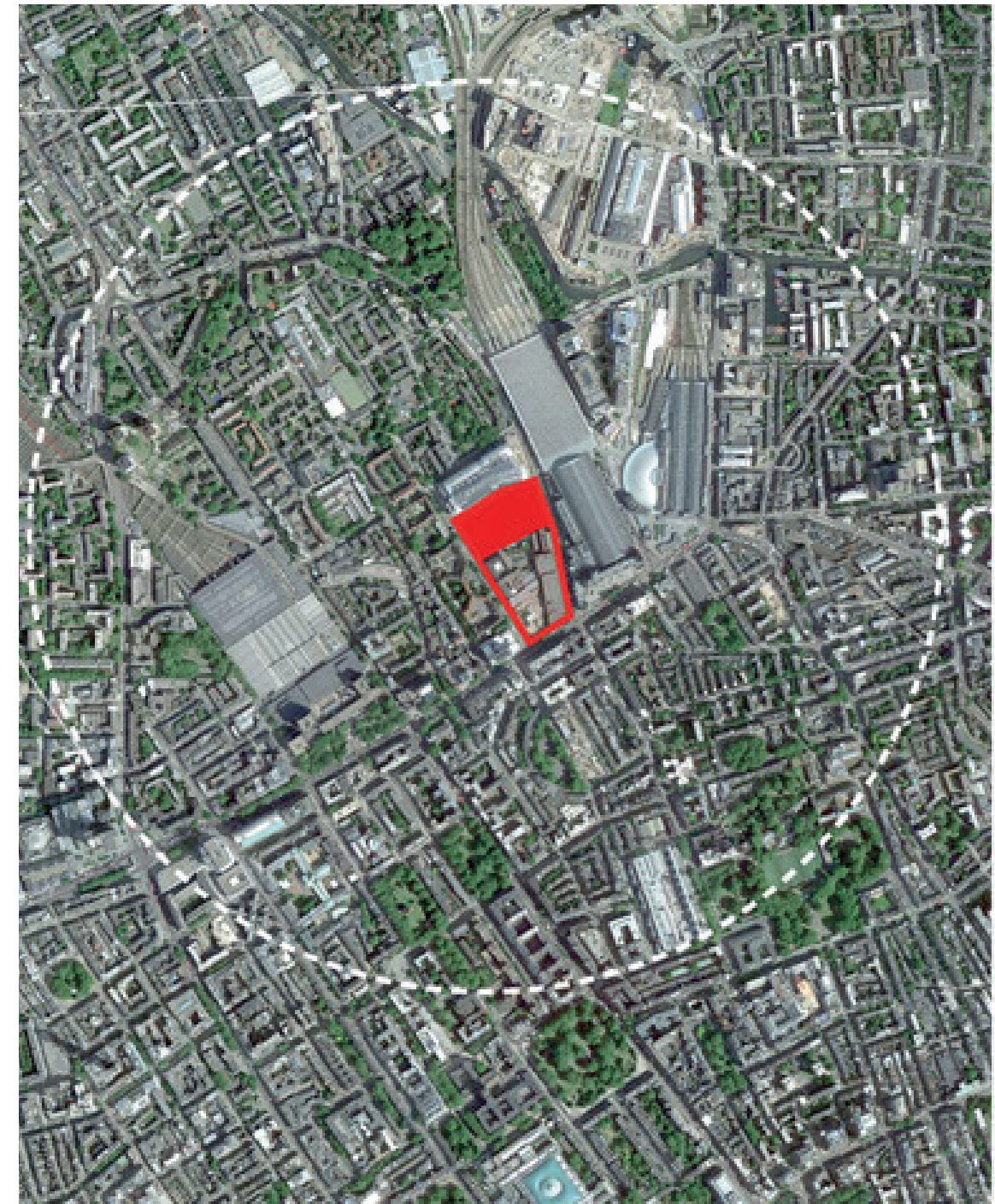
View of L01 External Courtyard



View of L01 Courtyard & Existing Cafe (Top),  
Sainsbury Laboratory Cambridge (Mid), Greenacre  
Park NY (Bottom)



# At the Heart of the Knowledge Quarter

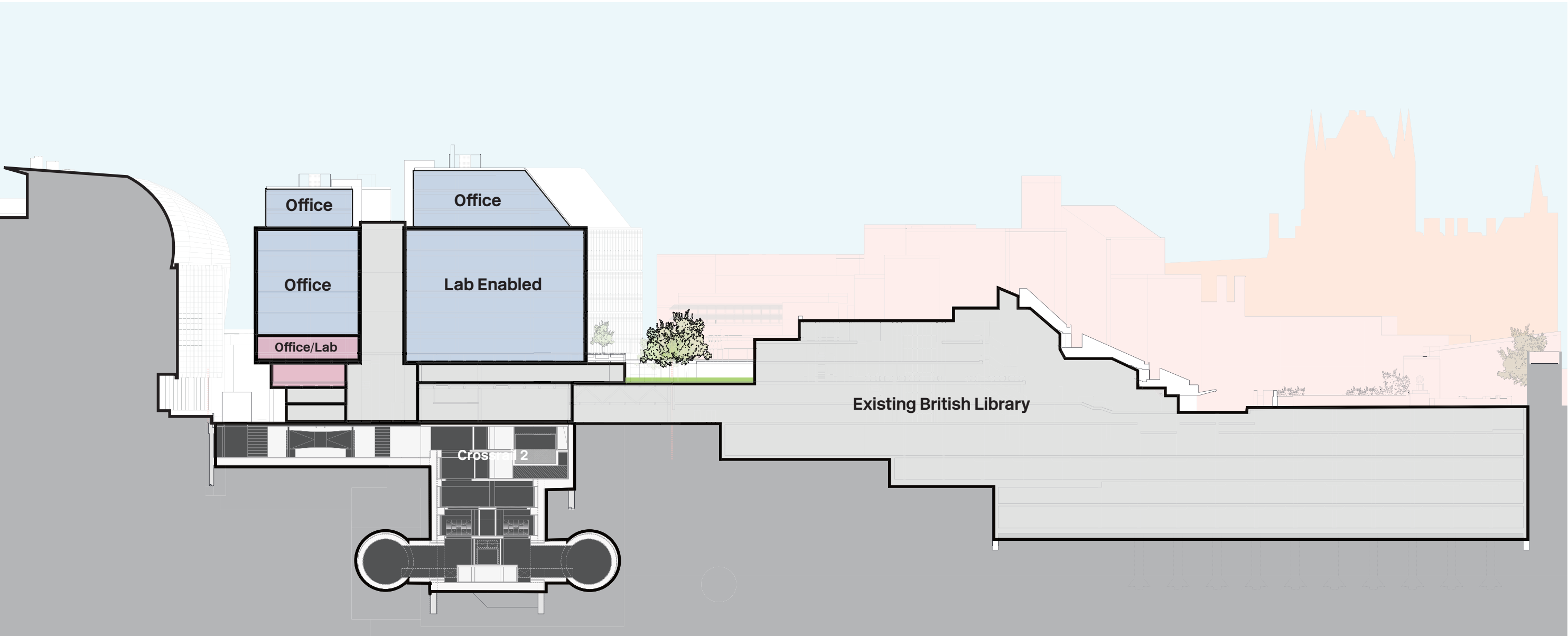


2

At the Heart of the **Knowledge Quarter.**



# Flexible Life Science Hub



2

At the Heart of the **Knowledge Quarter.**



# At the Heart of the Knowledge Quarter



**1** New Provision of Life-science & Research Labs



**2** Active Foyer Space with Physical Links to Existing British Library



**3** Publicly Accessible Amenities with Events / Lecture Spaces



**4** Office Headquarters / Startup Incubator Spaces



**5** Adjacent to World Class Life Science & Research Facilities



**6** Connecting Businesses & the Local Community

# 2

At the Heart of the **Knowledge Quarter.**



# Level 02 Plan Cut Looking South



2

At the Heart of the **Knowledge Quarter.**



# Office Entrance Shared with Entrance to Public Foyer



2

At the Heart of the **Knowledge Quarter.**



# Policy Framework

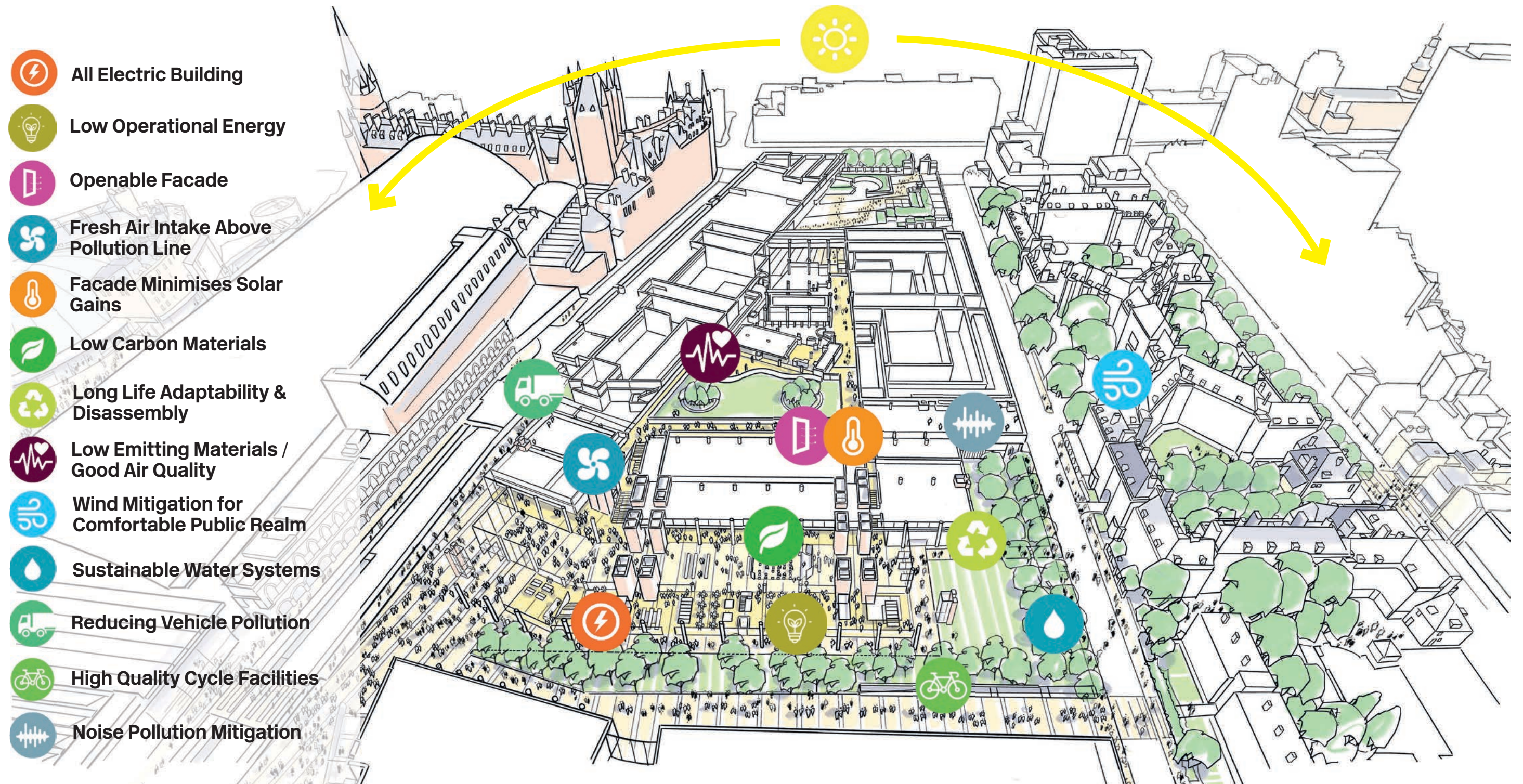


# 3

## Building for a **Changing Climate.**



# Environmental Design Measures









# Optimised Design for Site Conditions

The Right Use in the Right Place:

**The Whole Building is Enabled for Net Carbon Zero Operations.**

-  Experiment Spaces Adjacent to Smart Facades. Cooling Load Driven by Lab Needs.
-  Releasing Opportunities for Passive Ventilation & Green Materials Elsewhere.
-  Atrium Buffers Between External / Internal Environments.
-  Close-control Galleries Protected Deep Within the Building



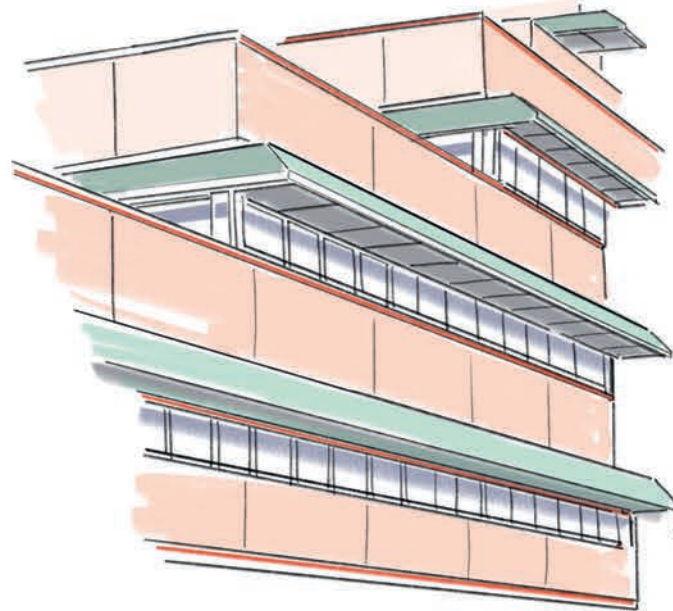


# Massing & Materials Sympathetic to Setting

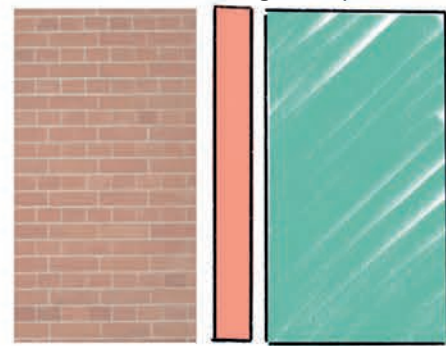
Prof. Colin St John Wilson RA, Architect of The British Library:

**"...Orchestrate the British Library on a broad scale with St Pancras"**

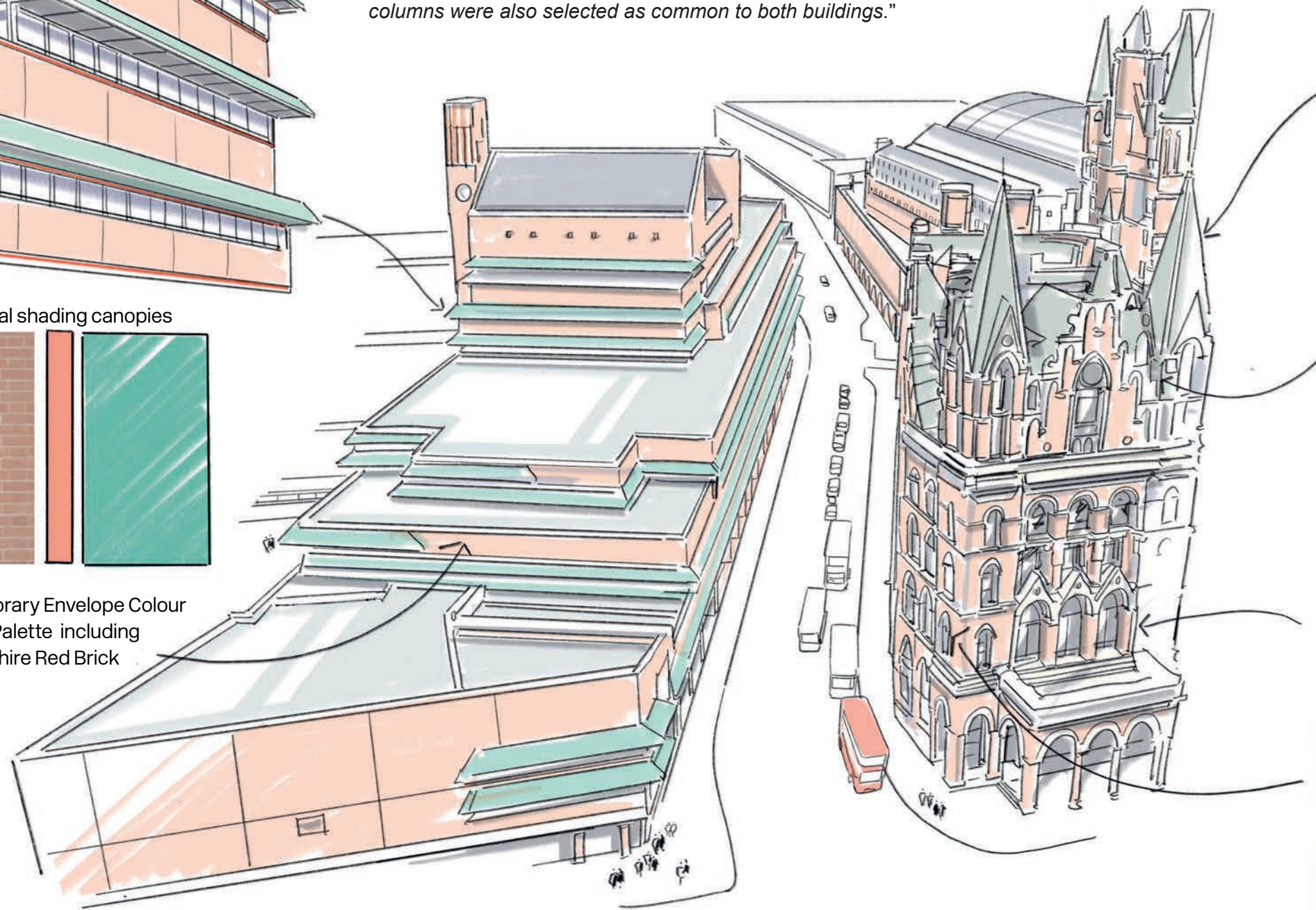
*"The colours for the metal sun louvers and trim to the ground floor panels and columns were also selected as common to both buildings."*



Green metal shading canopies



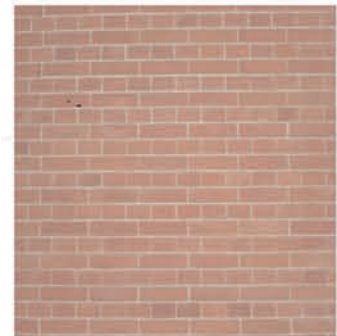
Primary Library Envelope Colour  
/ Material Palette including  
Leicestershire Red Brick



Westmoreland Green Slate



Green Lead Flashing



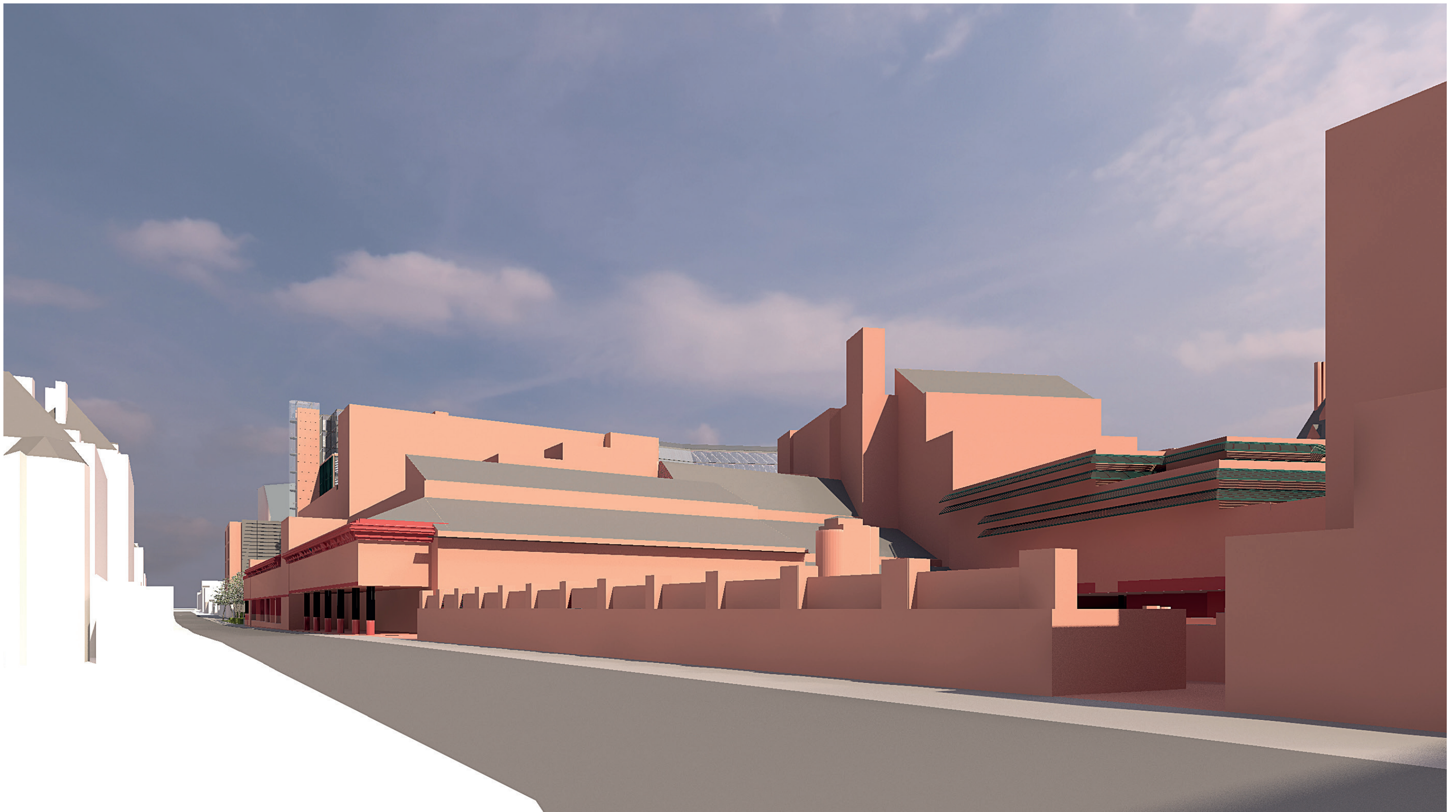
Leicestershire Red Brick



Original Green Window Frames



# Massing & Materials Sympathetic to Setting



Contextual View of British Library & Extension From Ossulston Street

4

Responding to **Urban Context.**



# Massing & Materials Sympathetic to Setting



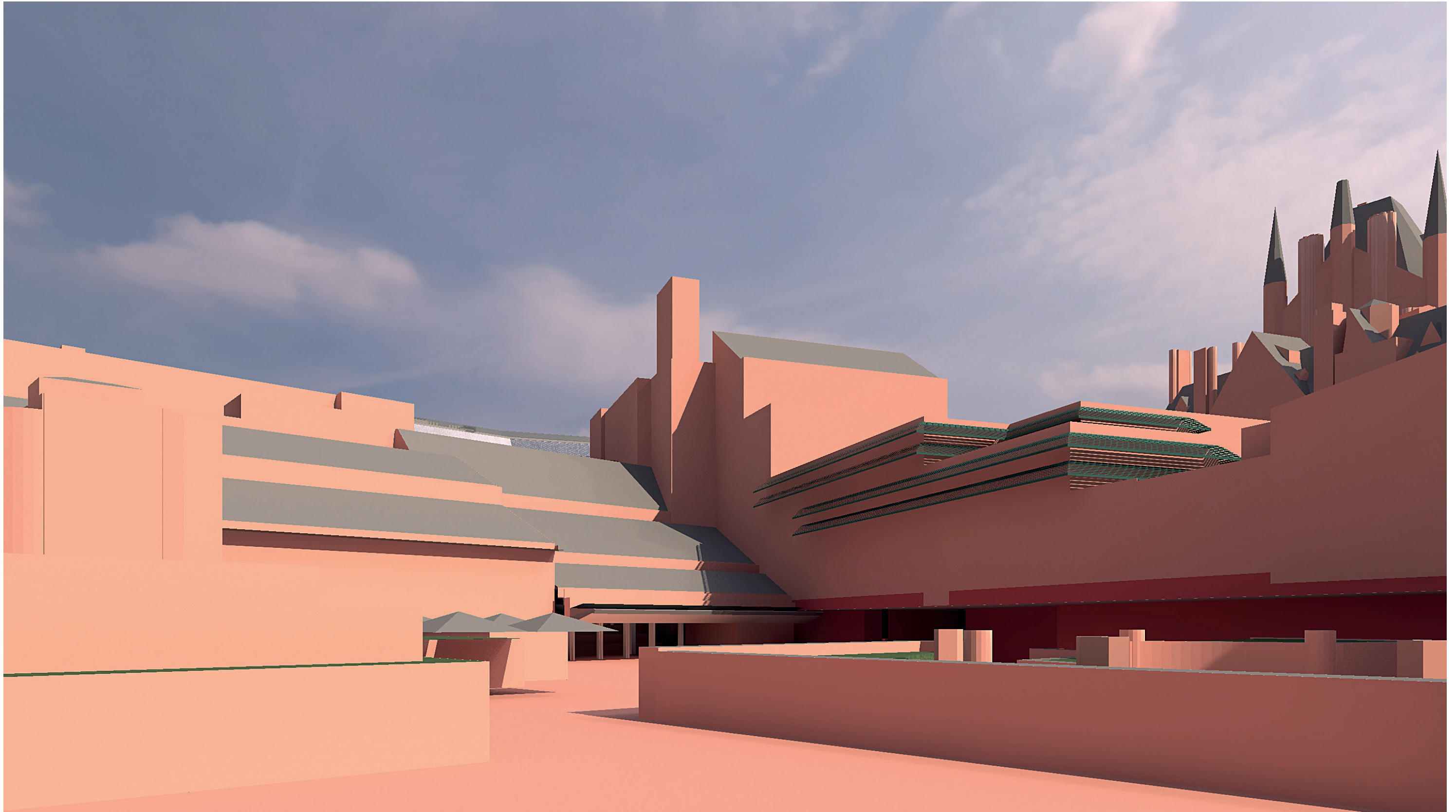
Contextual View of British Library & Extension From Euston Road

4

Responding to **Urban Context.**



# Sympathetic Backdrop to Grade I Listed Library



View of British Library & Extension From Library Entrance Courtyard

# 4

Responding to **Urban Context.**



# No Impact From Key Locations



Proposed View from Kings Cross, East of Station at Junction with York Way



Existing view from Kings Cross, East of Station at Junction with York Way



Key Plan



# Opportunities for Greening

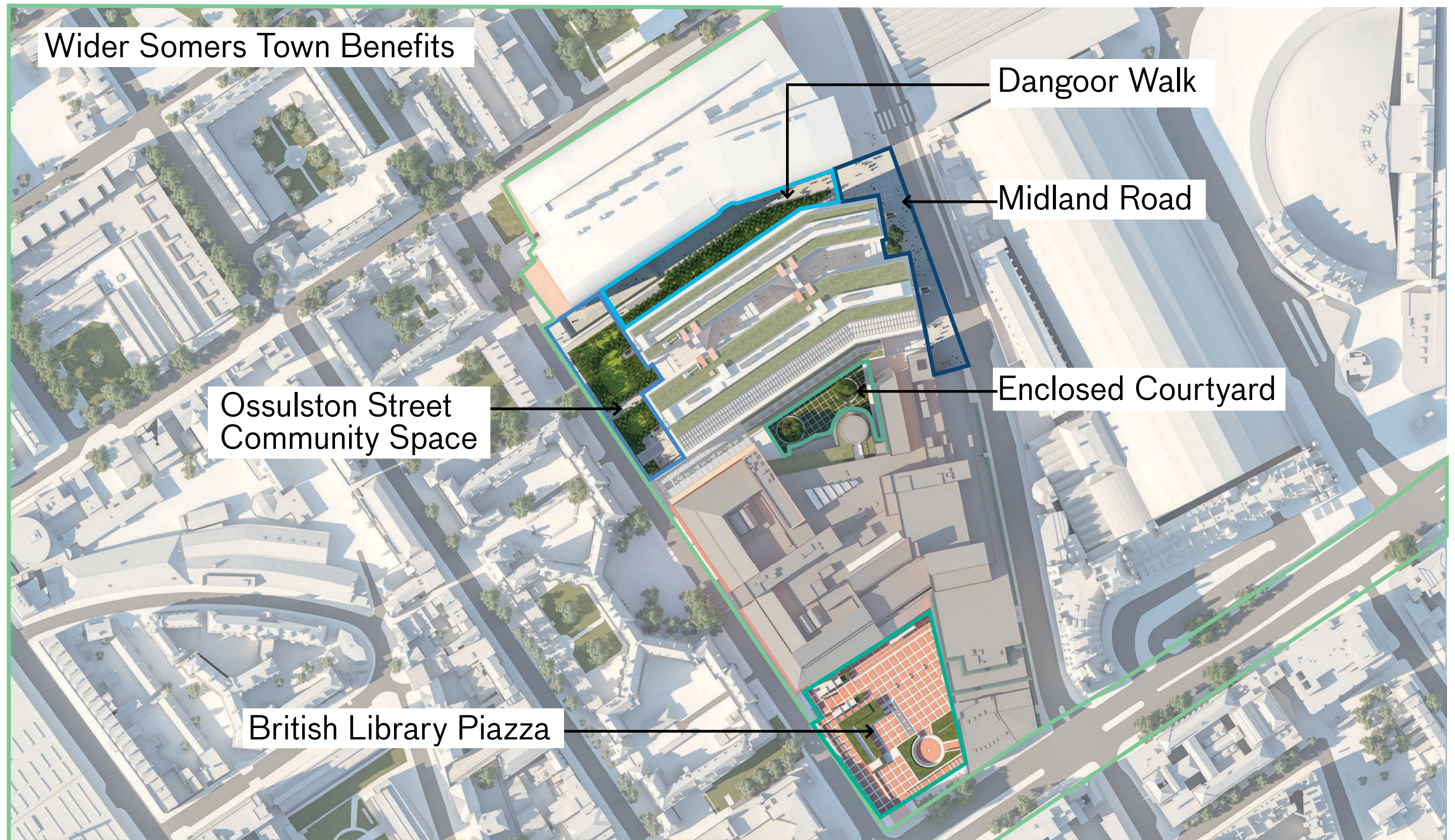


4

Responding to **Urban Context.**

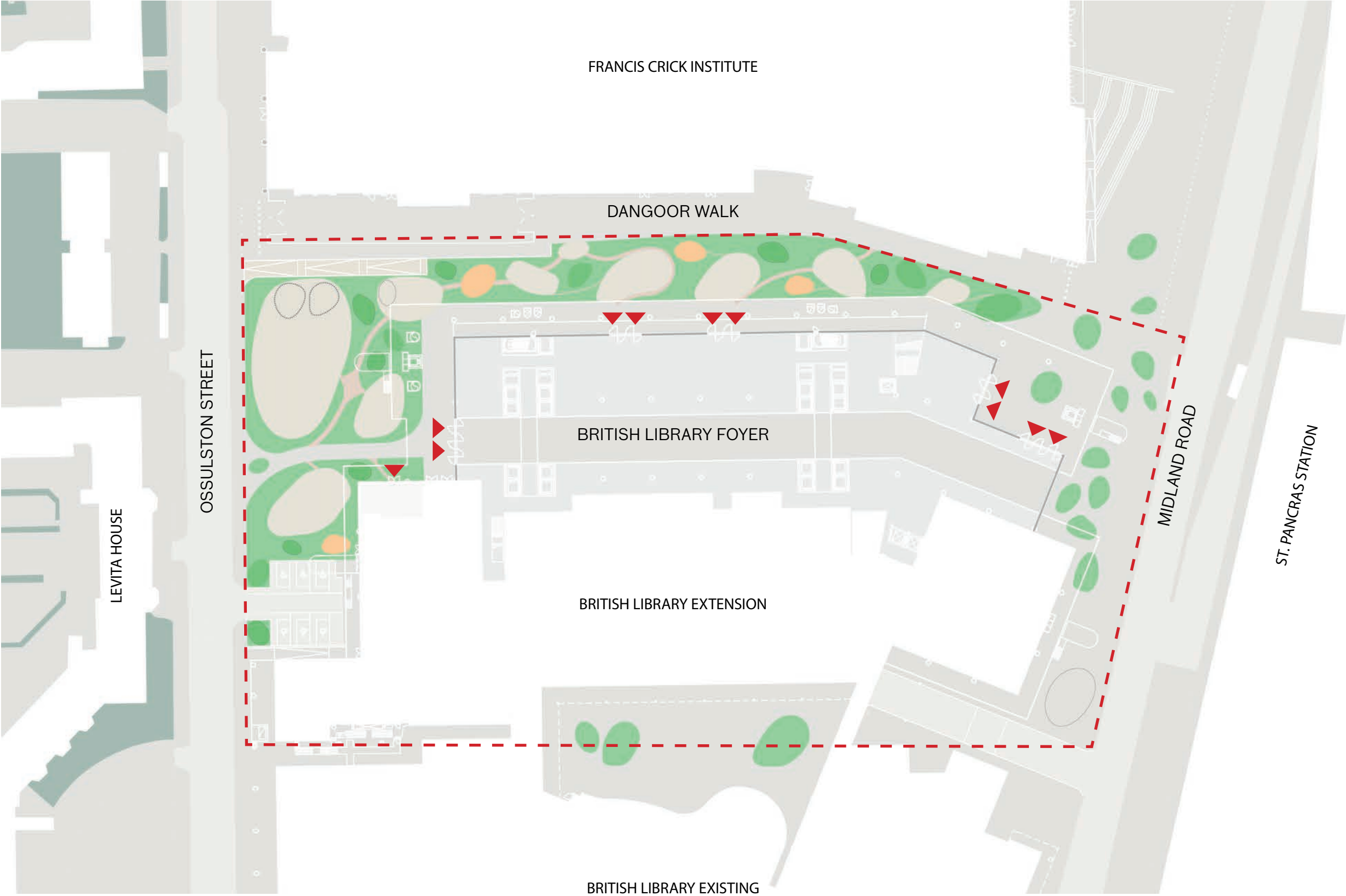


# Public Realm Character Areas



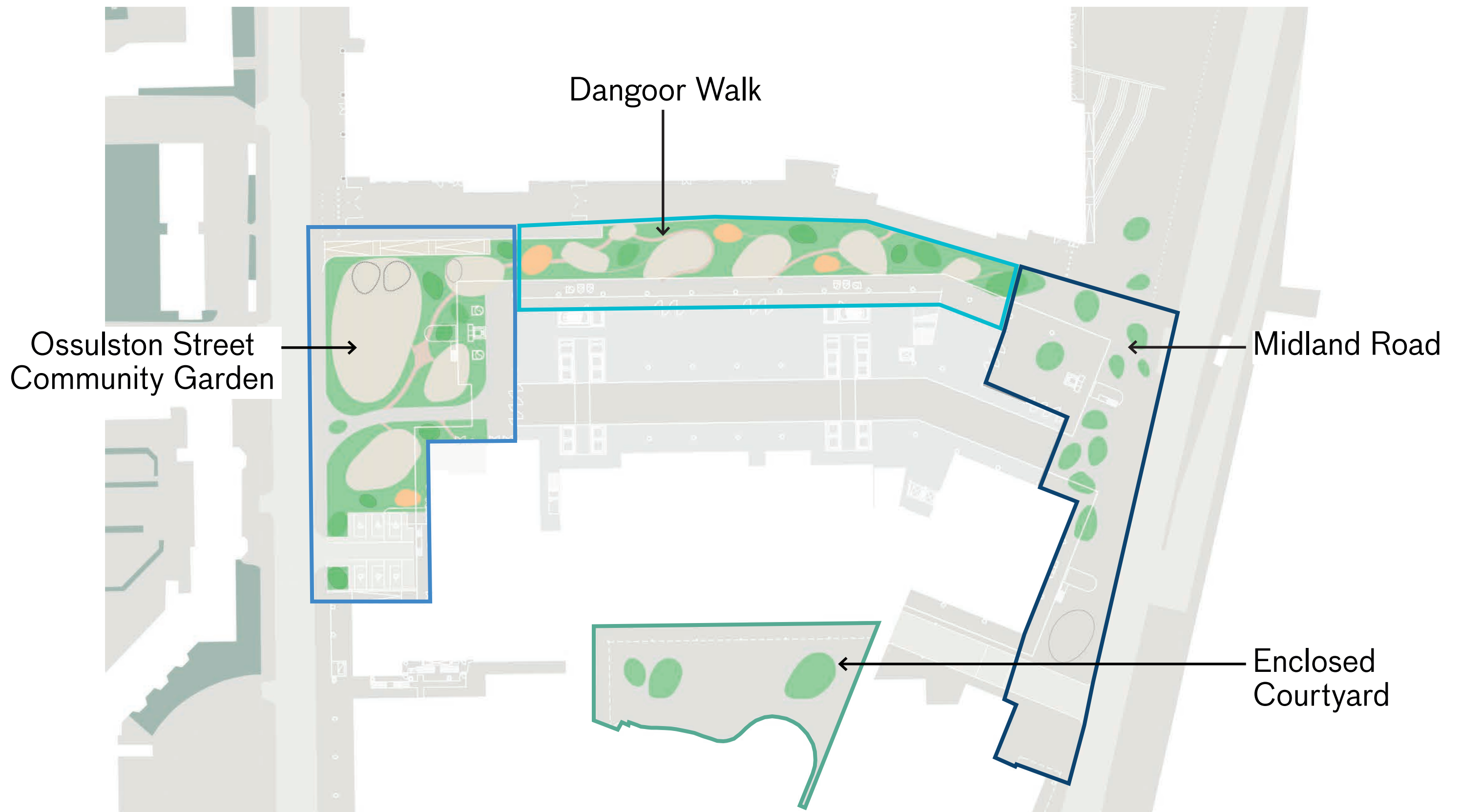


# Public Realm Character Areas



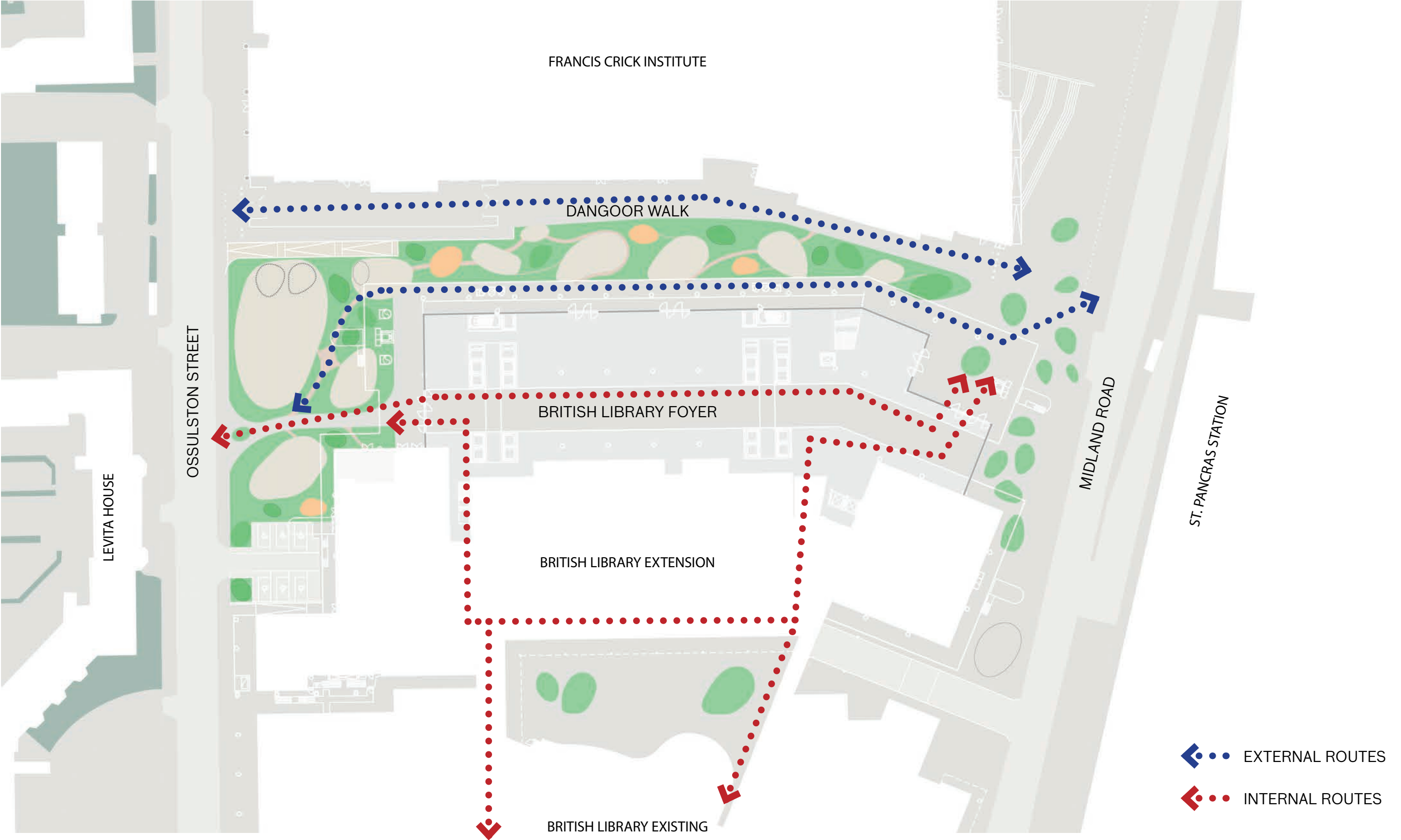


# Public Realm Character Areas

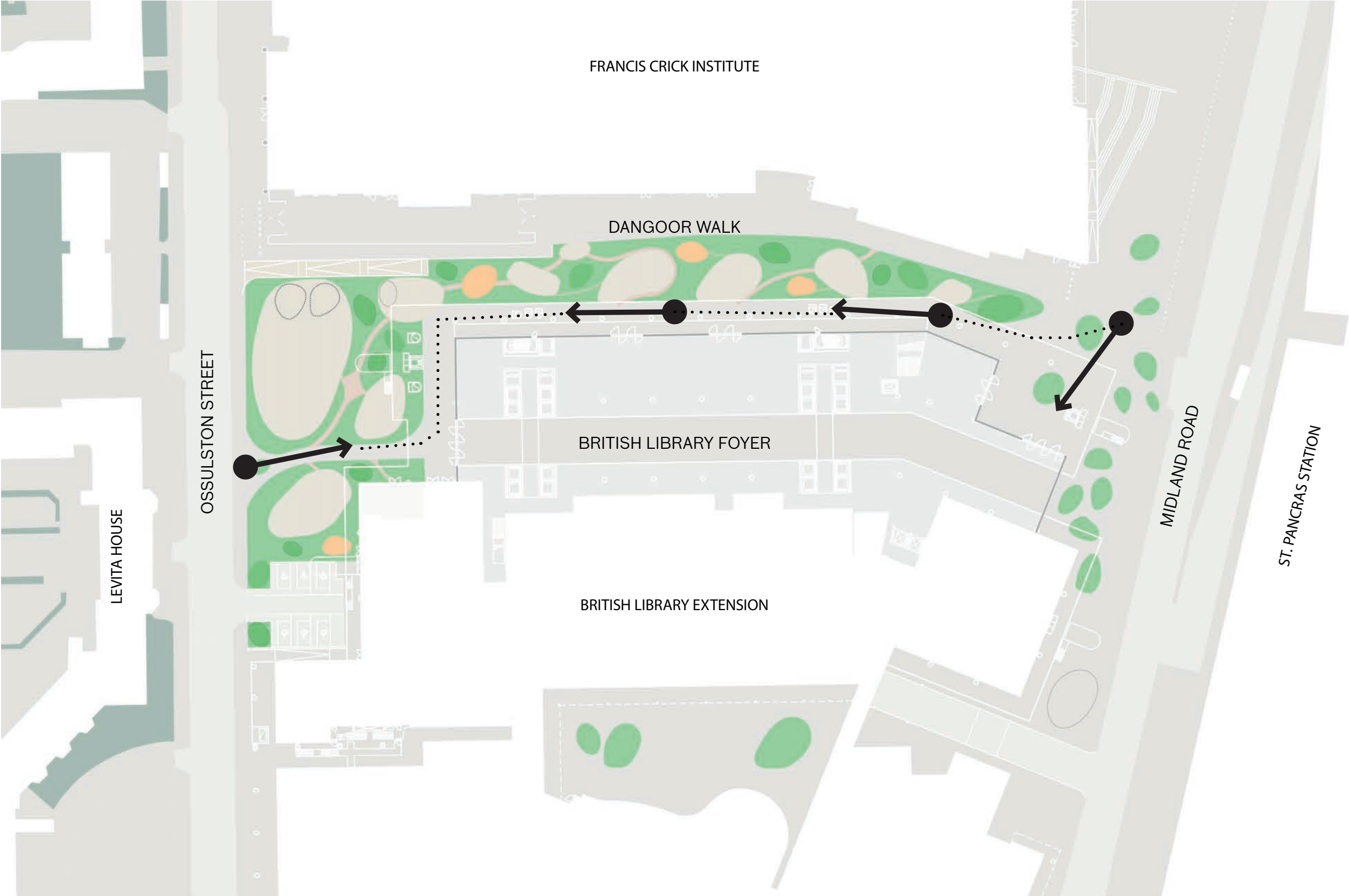




# Public Realm Character Areas









# Public Realm Improvements to Midland Road





# Public Realm Improvements to Dangoor Walk





# Public Realm Improvements to Dangoor Walk





# Community Focused Space on Ossulston Street





# Local Collaboration & Co-Design





# Social & Community Benefits

**New Library Spaces Reaching Out to Local Community.**

**New Public Spaces for Community Use.**

**New Opportunity for Community Co-Curation of Exhibitions / Events.**

**New Entrances to the British Library on Midland Road & Ossulston Street.**

**New Community Garden on Ossulston Street, Creating a Legacy for the Story Garden.**

**Greening Projects Within Existing Community.**





# Economic Benefits

**Creation of Local Jobs Both During & After Construction.**

**Affordable Workspace / Free Desks & Wifi.**

**Incubator Space for Life Sciences.**

**Business Support for Start-ups / SMEs.**

**Education, Skills & Training Initiatives with Local Schools & Community.**

**New Infrastructure to Help Deliver Crossrail 2**





# Environmental Benefits

**New Biodiverse & Comfortable Green Spaces for People to Enjoy.**

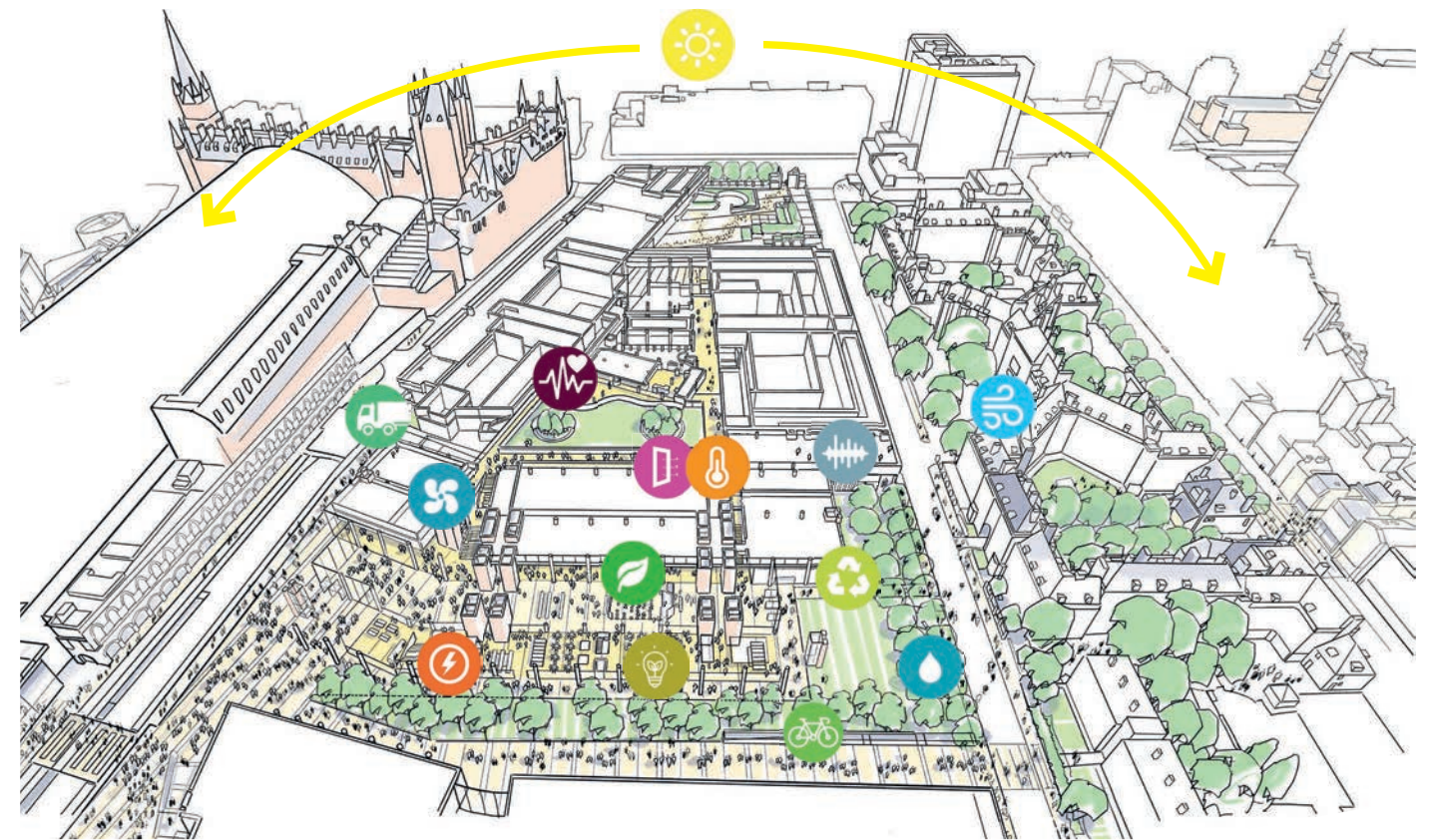
**New North-South & East-West Routes to Improve Accessibility Through the Site.**

**A Building Designed to be Sustainable (Long-Life Adaptability & Low Carbon, Healthy Materials).**

**High Quality Cycling Facilities to Encourage Active travel.**

**Minimising Vehicle Movements to Improve Air Quality & Improve Health Outcomes.**

**All Electric Building to Improve Outdoor Air Quality.**





# British Library Extension Site as Existing





# British Library Extension as Proposed





