

# 01 | WELCOME



## INTRODUCTION

Welcome to the UCL East Phase 1 Exhibition.

This exhibition brings together plans for Marshgate and Pool Street West sites for the first phase of UCL East, a new campus for UCL (University College London) within Queen Elizabeth Olympic Park.

Together they will feature a range of uses, including academic, retail, community and engagement uses as well as student accommodation.



Pick up a feedback form to share your views on what you've seen. Alternatively, submit your completed feedback form via email or post by **Friday 13 October 2017**.

## MARSHGATE 1

Marshgate 1 will be an academic building opening onto the riverside, incorporating spaces for public use and engagement.

➤ **SEE BOARDS 05 - 08**

## POOL STREET WEST

Pool Street West will be a mixed use university building, bringing together academic space and amenities with student accommodation.

➤ **SEE BOARDS 09 - 13**



# 02 | ABOUT UCL EAST

## BACKGROUND

In partnership with London Legacy Development Corporation (LLDC), UCL is establishing UCL East, a new university campus within Queen Elizabeth Olympic Park (the Park). It is the largest single expansion of UCL since the university was founded nearly 200 years ago.

UCL East together with Stratford Waterfront will form a cluster of top universities, cultural institutions, enterprises and organisations which will showcase and generate outstanding art, dance, history, craft, science, technology and design.

Alongside other projects at the neighbouring Stratford Waterfront site, including UAL's London College of Fashion, V&A East and Sadler's Wells East, UCL East will help deliver the legacy transformation of the Park.

## OUTLINE APPLICATION

The masterplan for UCL East sets a framework for the overall distribution of buildings, heights, the amount of floor space, building uses and phasing. The outline application is based upon an illustrative masterplan produced by LDA Design on behalf of UCL and LLDC. The outline application was submitted jointly by UCL and LLDC to the LLDC Planning Policy and Decisions Team (LLDC PPDT), the Local Planning Authority, in May 2017. The decision notice is expected by the end of the year\*.

An overview of the key elements of the illustrative masterplan is presented on the far right.

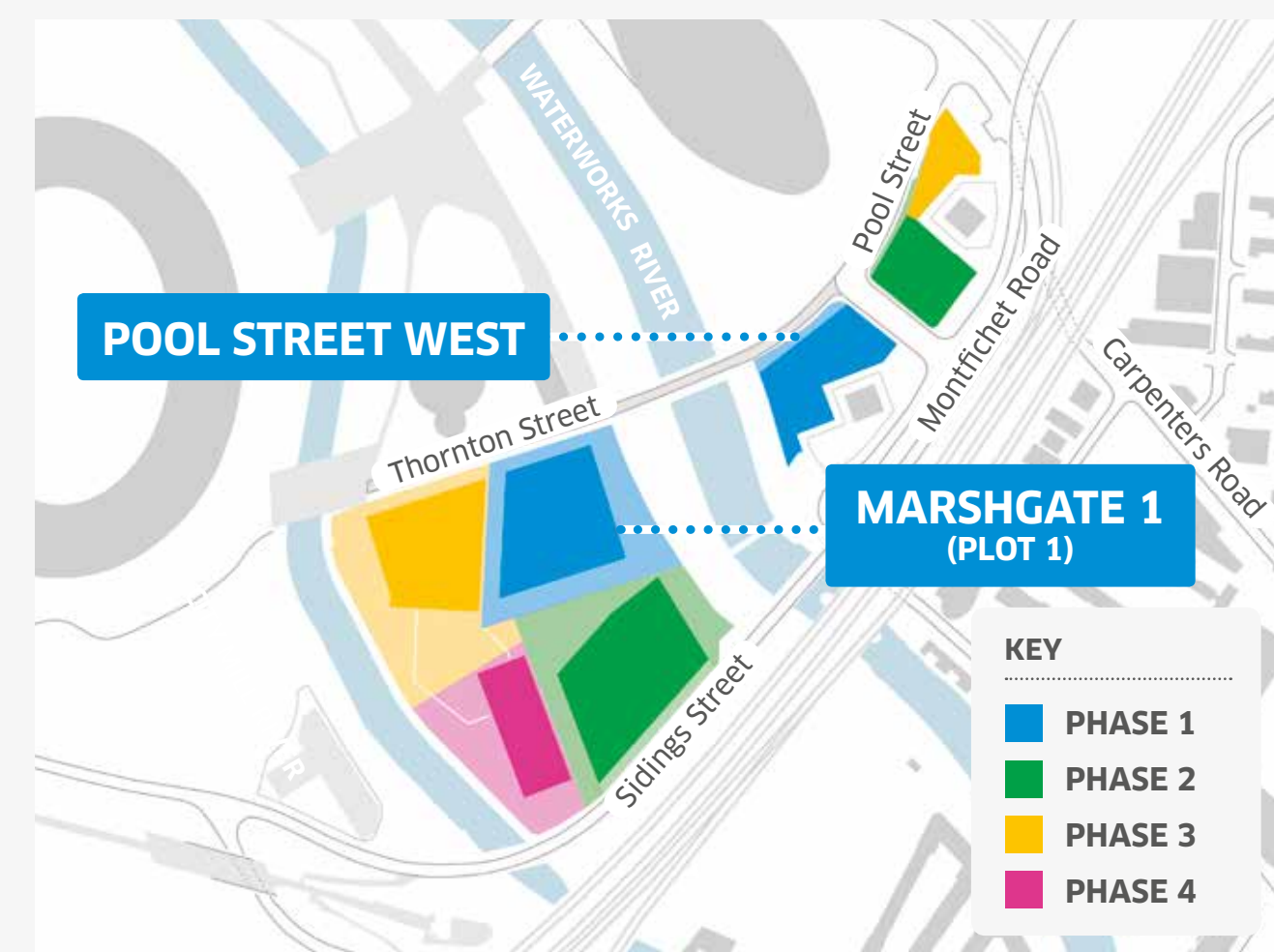
\*It is anticipated that following the determination of the outline application, Reserved Matters applications will be submitted to provide further detail on the proposals for each phase. These details will be within the parameters established in the outline application.

## UCL EAST SITES

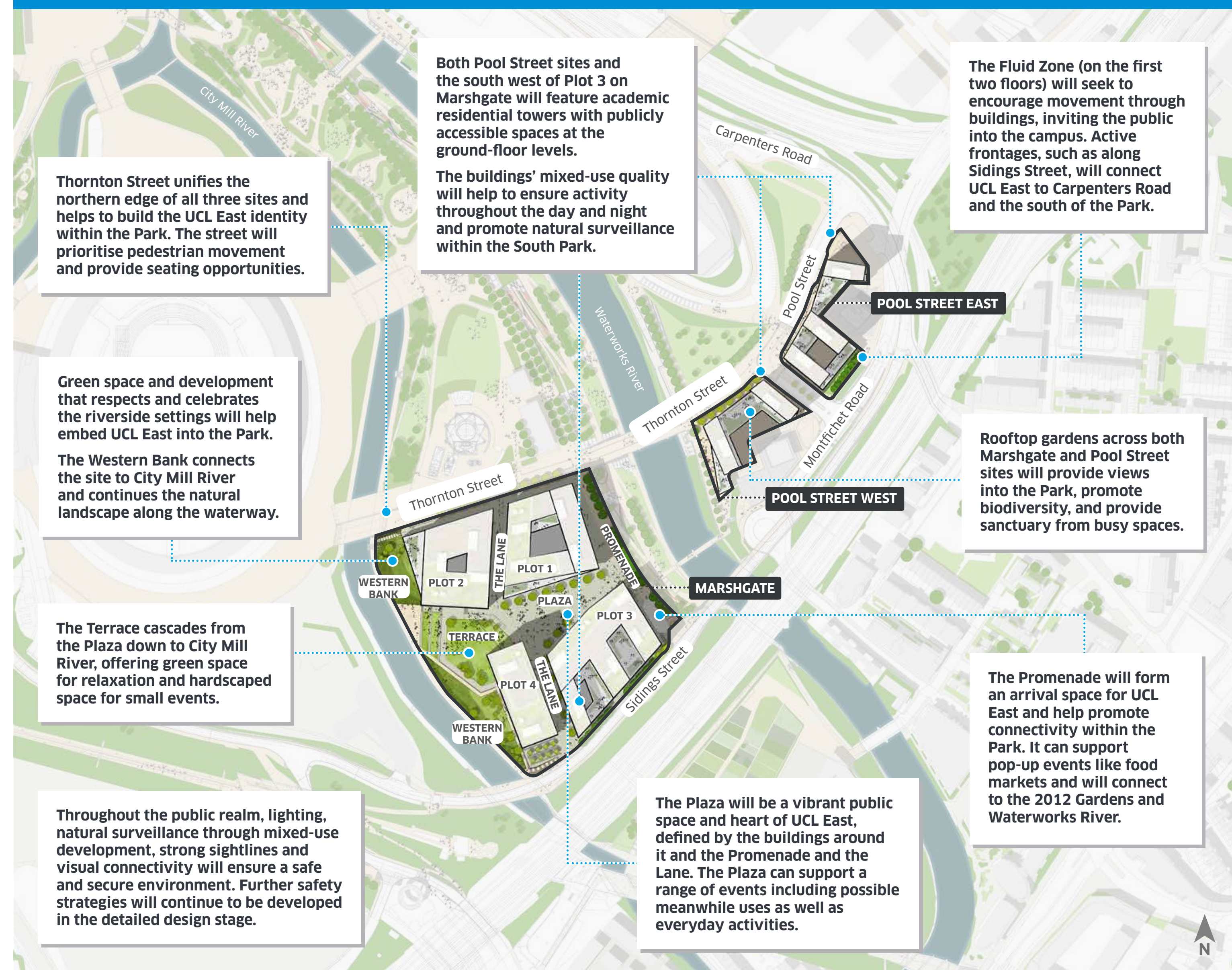


## PHASING OF UCL EAST

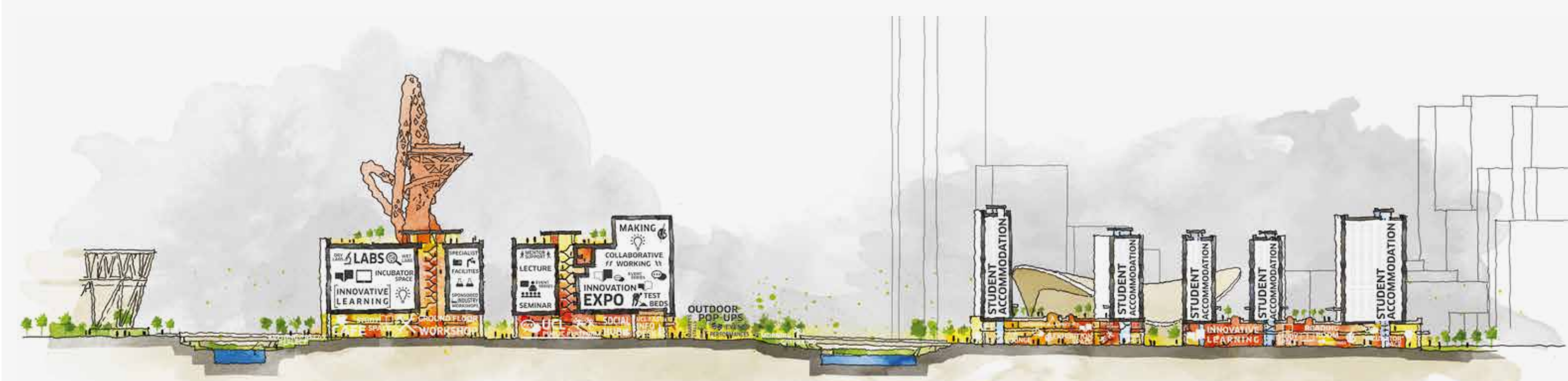
The first phase of UCL East will focus around Waterworks River, helping to establish a strong presence within the Park. By keeping away from Sdings Street, it also ensures that future development and construction will not affect existing operation and University life.



## THE ILLUSTRATIVE MASTERPLAN



## ACTIVE STREET LEVELS OF THE 'FLUID ZONE'



Illustrative view of UCL East in section from the south (the yellow and red tones represent the 'Fluid Zone')



# 03 | CONSULTATION TO DATE

## INVOLVING UCL & THE LOCAL COMMUNITY

Consultation on the masterplan started in summer 2015 to raise awareness about the project and engage with the local community.

The consultation process helped gather aspirations and understand key issues – both for the local community and UCL students and staff – and respond accordingly in the masterplan.

Over 4,800 people were engaged in total through 49 events, including exhibitions, pop-up events, local schools and youth sessions, workshops, stakeholder events, and local outreach sessions.

For a consultation summary on the Pool Street West concept design stage in May / June 2017, please see board 11.



Masterplan Stage 1 'Planting Ideas' Pop-up, 3 Mills Studios, summer 2015

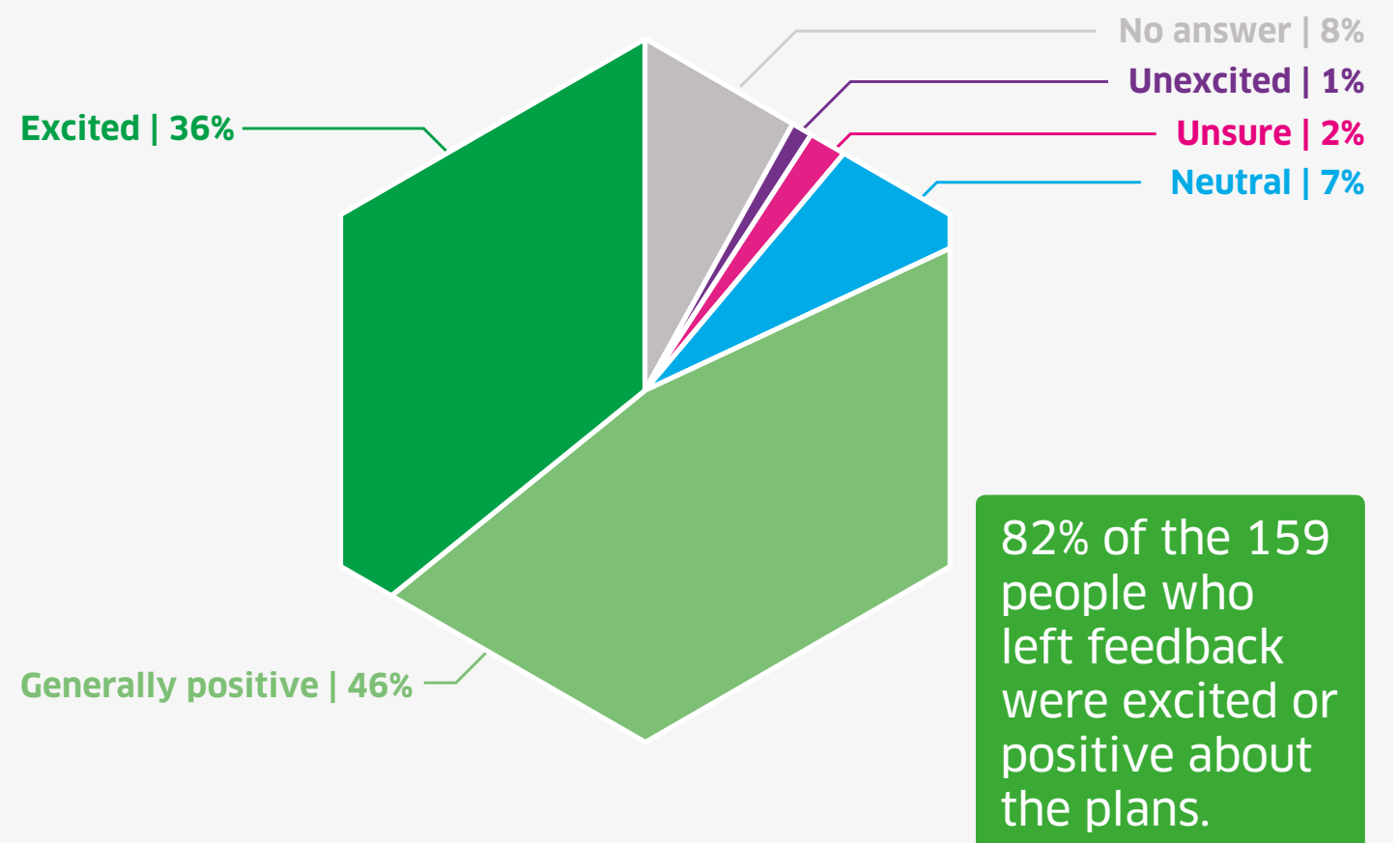


Masterplan Stage 3 public exhibitions, summer 2016

## FEEDBACK FROM THE MASTERPLAN CONSULTATION STAGE

### OVERALL IMPRESSION OF THE MASTERPLAN\*

\*SUMMER 2016



### HEADLINE FINDINGS\*

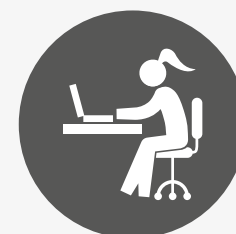
\*RELEVANT TO THE DETAILED DESIGN PROCESS



Ensure there is good wayfinding from key access routes and strong gateways to mark entrances. Members of the public coming from any direction should feel empowered to walk into the university buildings.



Activate the site with events and activities for both the local community and UCL students and staff.



Make public areas distinct from the private student and staff areas. Access should be balanced with security needs and the expectations of students and staff.



Connect UCL East academics and activities to the local environment and provide opportunities for young people studying around the site to access. Have inclusive, involving and inviting public spaces that embrace learning and exchange for all.



The waterways and green landscape are the site's strongest assets and needs to consider how UCL East connects to these features.



Have high standards of design for the buildings and landscape. It's important to merge with the rest of the Park and its naturalistic expression. The architecture should stand out without competing with the surrounding built environment.



# 04 | UCL EAST PHASE ONE

## BACKGROUND

Following the submission of the outline planning application, UCL will submit planning applications (known as 'Reserved Matters') for the detailed design of buildings and landscaping associated with the various phases of the masterplan. The first 'Reserved Matters' applications to be submitted will be for Pool Street West and Marshgate 1.

The Phase 1 buildings will come together to form a coherent environment with academic facilities, student living, and a high-quality public realm.

UCL appointed architects Lifschutz Davidson Sandilands and Stanton Williams to lead on the detailed design for the Phase 1 sites of Pool Street West and Marshgate 1, respectively.

## DEVELOPING THE ACADEMIC VISION

The UCL East team have been working closely with staff, students, LLDC, local communities, as well as designers, planners and other professional consultants, to develop the vision for what UCL East will be and what it will be home to.

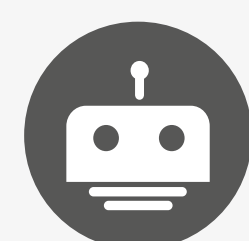
This process has culminated in the creation of an ambitious academic vision for UCL East, developed from the ground up.

## BRINGING THE ACADEMIC VISION TO LIFE

The faculties involved in Phase 1 have worked together to identify four themes, which bring together and integrate the various academic activities:



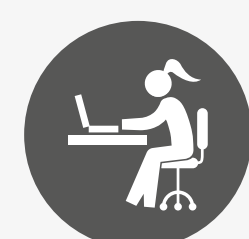
**Making:** We're focusing on "learning by doing": hands-on teaching and research around making, imaging and manufacturing. We'll have flexible project spaces, workshops and specialised teaching laboratories.



**Originating:** We'll be a hub for innovation activities, focusing on the intersection between humans, their social interactions and technology - ranging from robotics and cultural technology to future manufacturing and global cities. We're creating new courses for students in these areas and establishing new incubation facilities for start-ups.

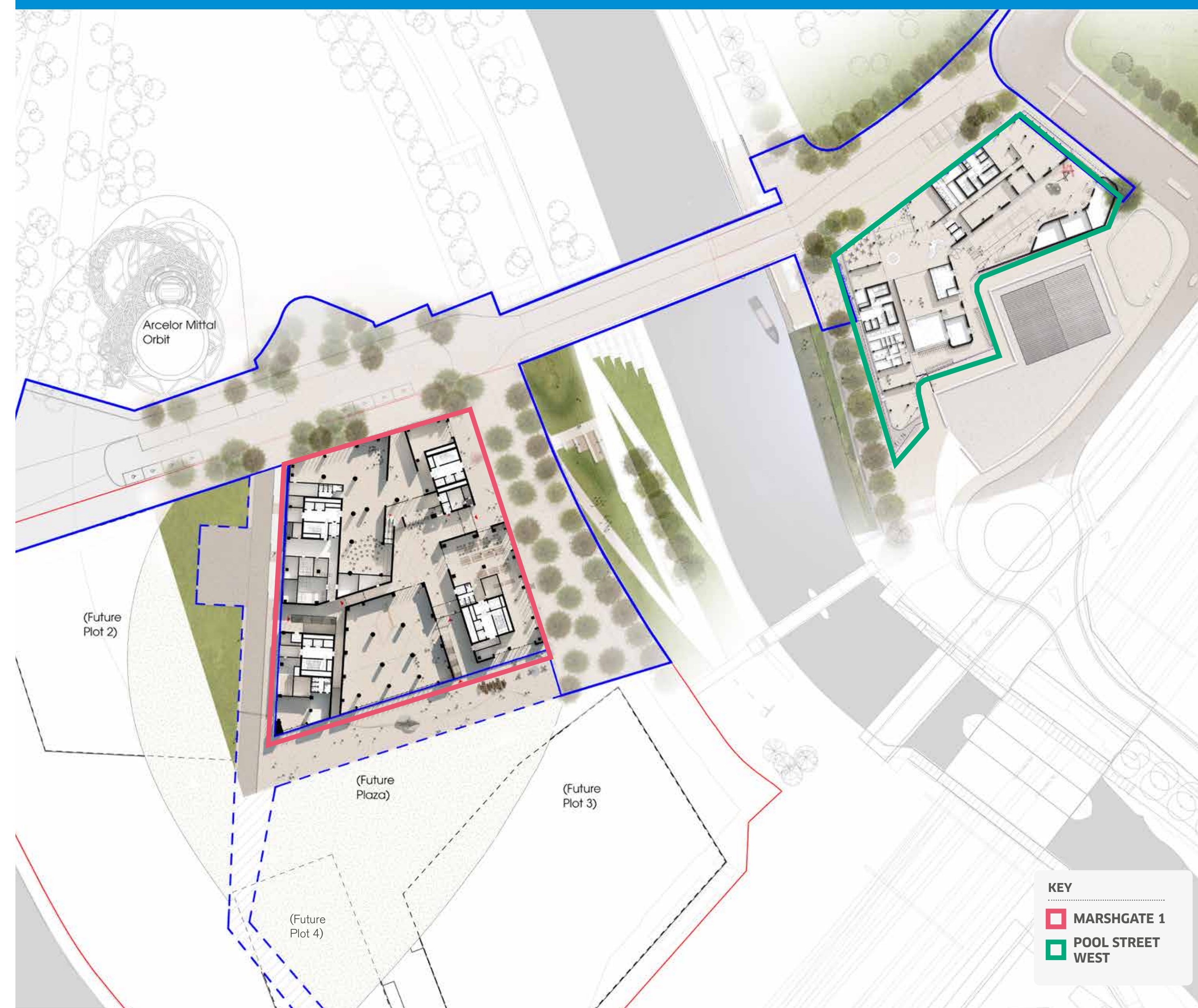


**Connecting:** We're reinventing the way UCL connects with the public, creating shared academic and public spaces which are inviting and approachable. We're providing access to learning and to research findings through indoor and outdoor spaces for festivals, performances, collections and exhibitions.



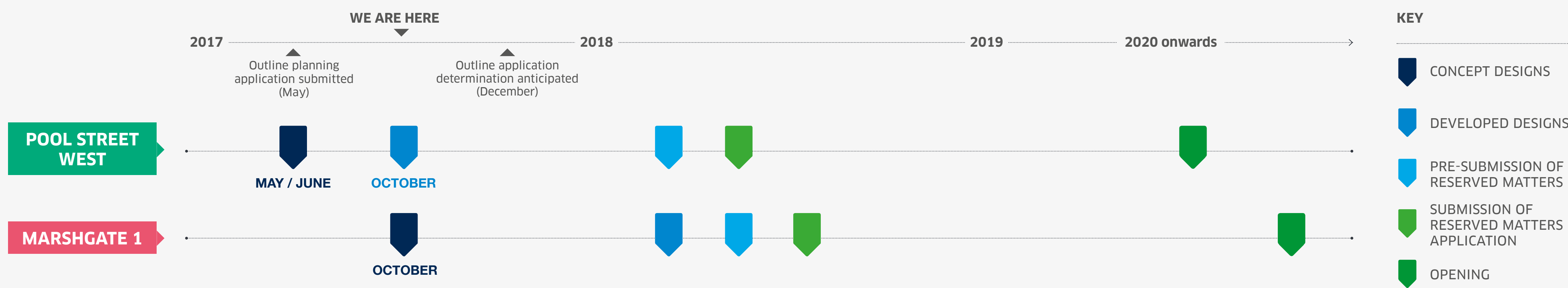
**Living:** We're integrating the Park into the learning experience as a 'living laboratory', engaging people with their natural environment, and creating the space to debate the past, present and future of London. We'll have residences for students, promoting a new approach to holistic university life.

## PHASE 1 PROPOSED PLAN



**KEY**  
■ MARSHGATE 1  
■ POOL STREET WEST

## PHASE 1 INDICATIVE TIMELINE





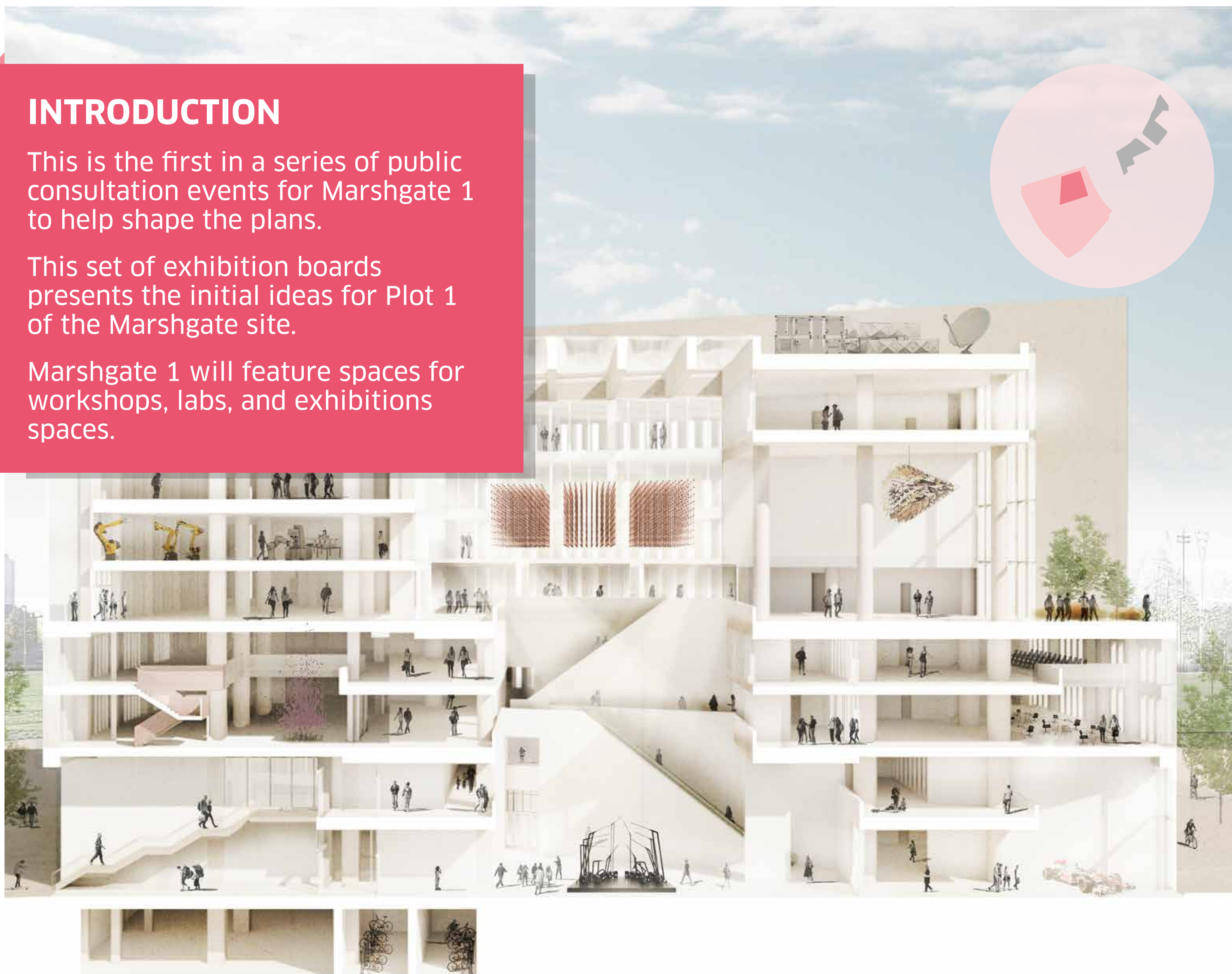
# 05 | MARSHGATE 1

## INTRODUCTION

This is the first in a series of public consultation events for Marshgate 1 to help shape the plans.

This set of exhibition boards presents the initial ideas for Plot 1 of the Marshgate site.

Marshgate 1 will feature spaces for workshops, labs, and exhibitions spaces.



Illustrative section of Marshgate 1

## QUICK FACTS & FIGURES

Marshgate 1 has a series of interconnecting spaces for academic and public use, opening onto the riverside:

- Public space to occupy over 4,000m<sup>2</sup>
- Academic space, including a level dedicated to specialist labs
- Administrative space, supporting staff and academic functions
- Shared amenities, offering a cafe as well as community and engagement spaces
- Flexible, adaptable and sustainable design rated BREEAM 'Excellent'

## LEAD ARCHITECTS



Central Saint Martins

Stanton Williams have extensive experience of working on complex and sensitive sites, and of working with clients to create spaces which promote interaction between building occupiers and the public: aspects of design which relate directly to the aspirations for Marshgate 1.

There are a number of technical consultants involved in the project from structural to lighting engineers and ecologists.



# 06 | ACADEMIC VISION & ACTIVITIES

## DESIGN APPROACH

In the summer of 2016, UCL appointed architects Stanton Williams to lead on the detailed design for Marshgate 1.

UCL East has established some clear objectives through earlier consultation on the illustrative masterplan.

A 'Fluid Zone' is provided on the first two floors of the building, stretching out to the promenade, with academic activities and exhibition spaces accessible to the public.

The academic vision for Marshgate 1 including a summary of activities and uses are shown on the right.

## BRINGING THE ACADEMIC VISION TO LIFE

Much larger than Pool Street West, Marshgate 1 will serve as the centre for the UCL East academic vision. It will feature:



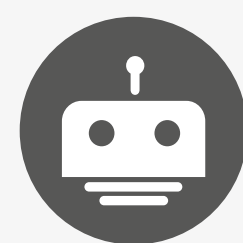
The **Culture Lab**, which will offer teaching, research and engagement spaces, underpinned by new educational programmes in making, media, conservation & heritage, and public history. Activities and facilities at Marshgate will include a media lab, an object-based learning laboratory, and a suite of conservation facilities.



The **Institute of Making Big**, a multidisciplinary research club for those interested in the made world: from makers of molecules to makers of buildings, synthetic skin to spacecraft, soup to diamonds, socks to cities.



The **Academy of Innovative Applied Finance**, which will provide leadership and training for future financial and business leaders, enabling close collaboration between research, financial innovation, industry, and government.



The **Experimental Engineering Labs**, which will comprise new academic activities in innovative and multidisciplinary fields of study, including advanced propulsion, future manufacture, and applied imaging.



The **Global Future Cities Co-Labs**, which will be organised around a series of shared spaces, specialising in providing opportunities for collaboration and application of knowledge towards the improvement of human settlements worldwide, and the strategic use of ICT in sustainable, prosperous urban futures.



Flexible workshop space



Laboratory space



Café and social study space



Public uses and programme



East-West section of Marshgate 1 and the promenade



# 07 | DESIGN PROCESS

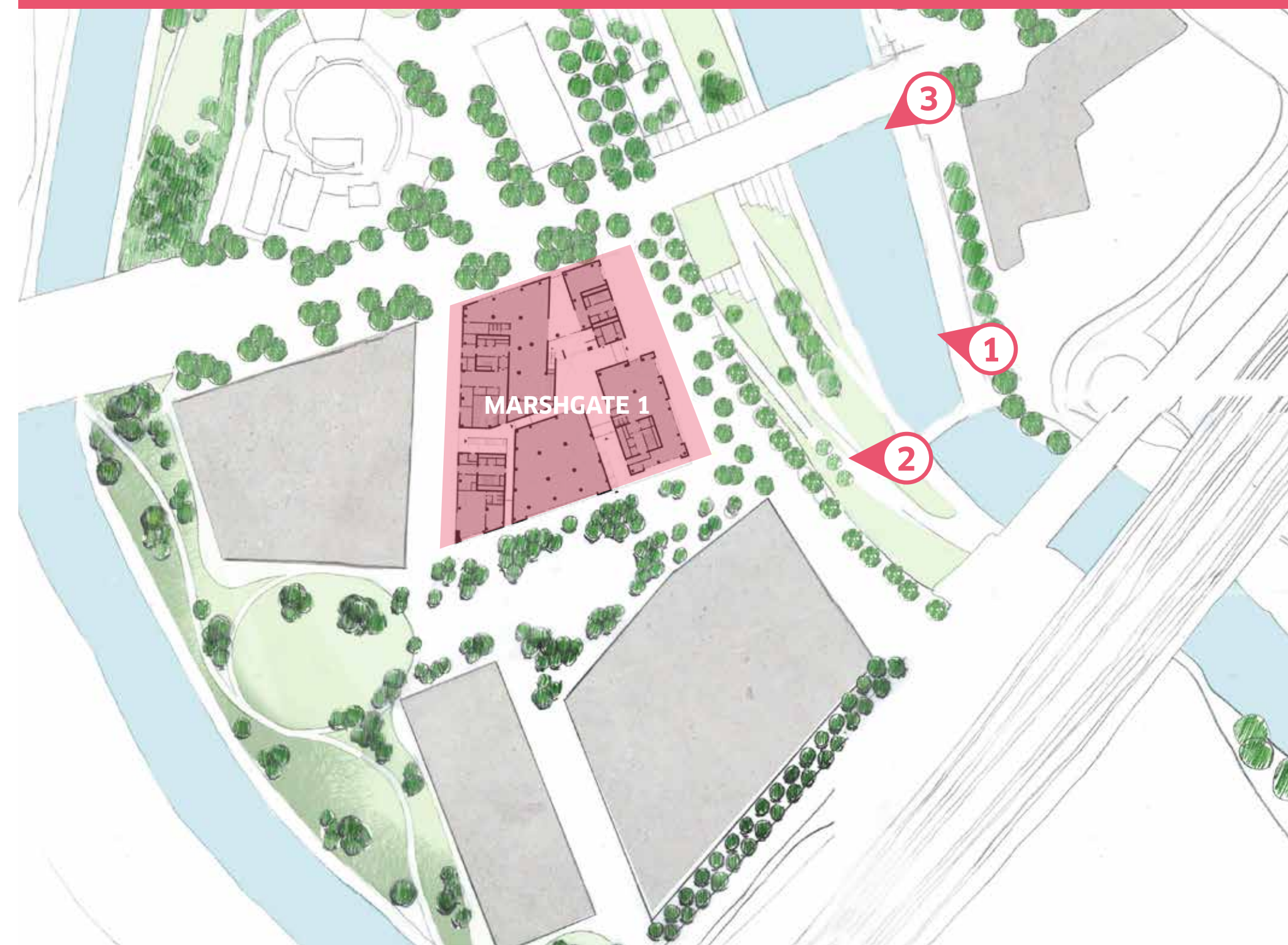
## KEY FEATURES

The key concept of the 'Fluid Zone' on lower levels encourages the public to access and make use of the academic building through active frontages, activities and events. Internal spaces are seen as an extension of the external public realm, blurring the boundary between external and internal as well as public and private space.

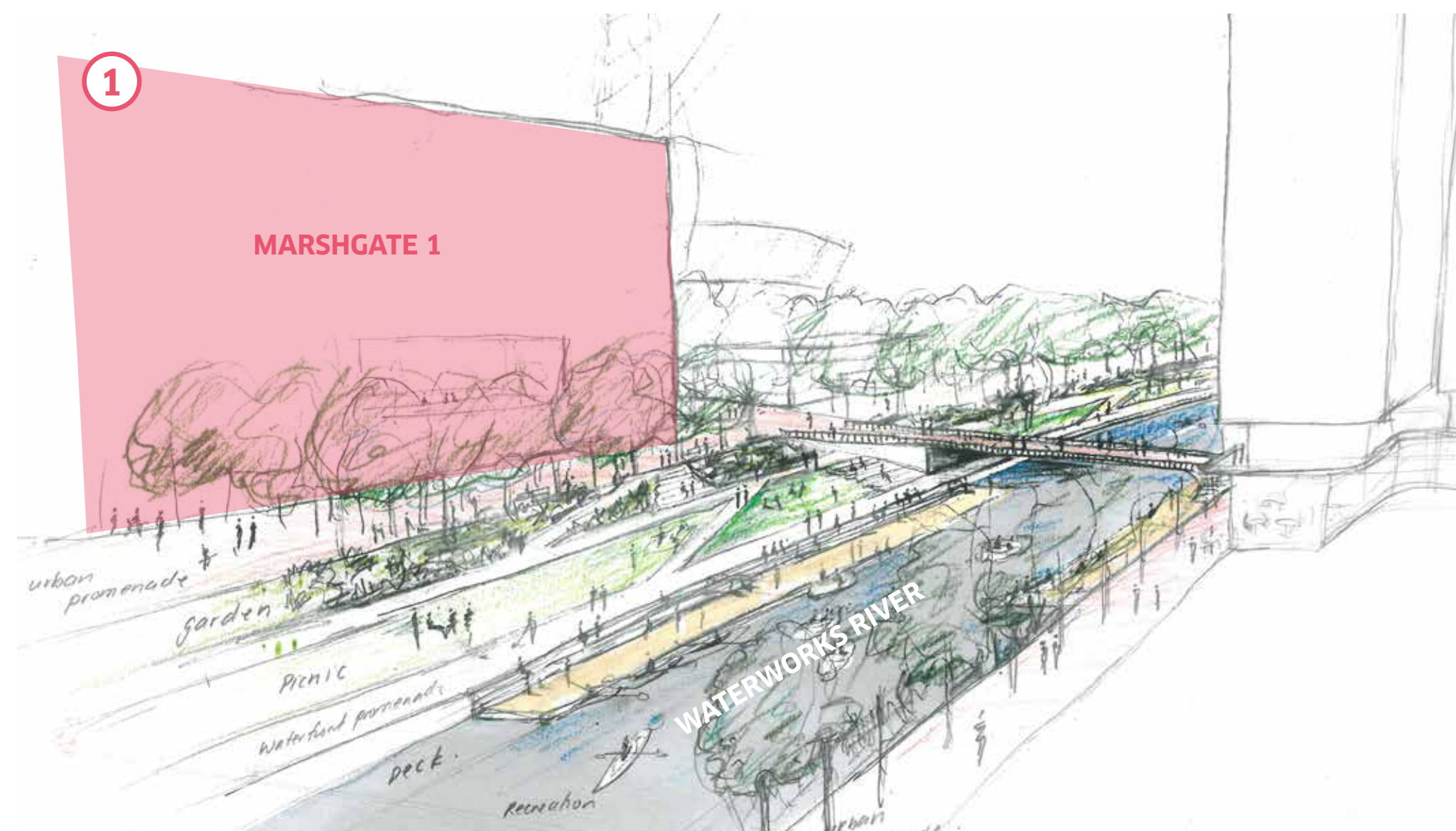
The approach to landscape will build upon established landscape of the Park as well as establishing the unique character of UCL East. Finishes will be explored that are appropriate and complementary to the setting but also have a strong relationship to the materiality and identity of the building.

The building massing responds to both the existing context and the masterplan. The strong sculptural form and primary openings can be clearly read from a distance, expressing the buildings 'neighbourhoods', primary collaboration spaces and terraces. These openings will be active and engaging. They will also create a visual connection to the wider Park internally and externally, including Pool Street, Waterworks River and promenade.

## 'FLUID ZONE' CONCEPT AND THE PUBLIC REALM



Illustrative view of the exterior along Waterworks River



Concept sketch showing the continuity of Marshgate 1 and Pool Street West along the promenade



View from East along Thornton Street

## APPROACH TO MATERIALITY



Materials that give an opportunity to vary texture, colour and show signs of the making processes



# 08 | LAYOUT AND USES

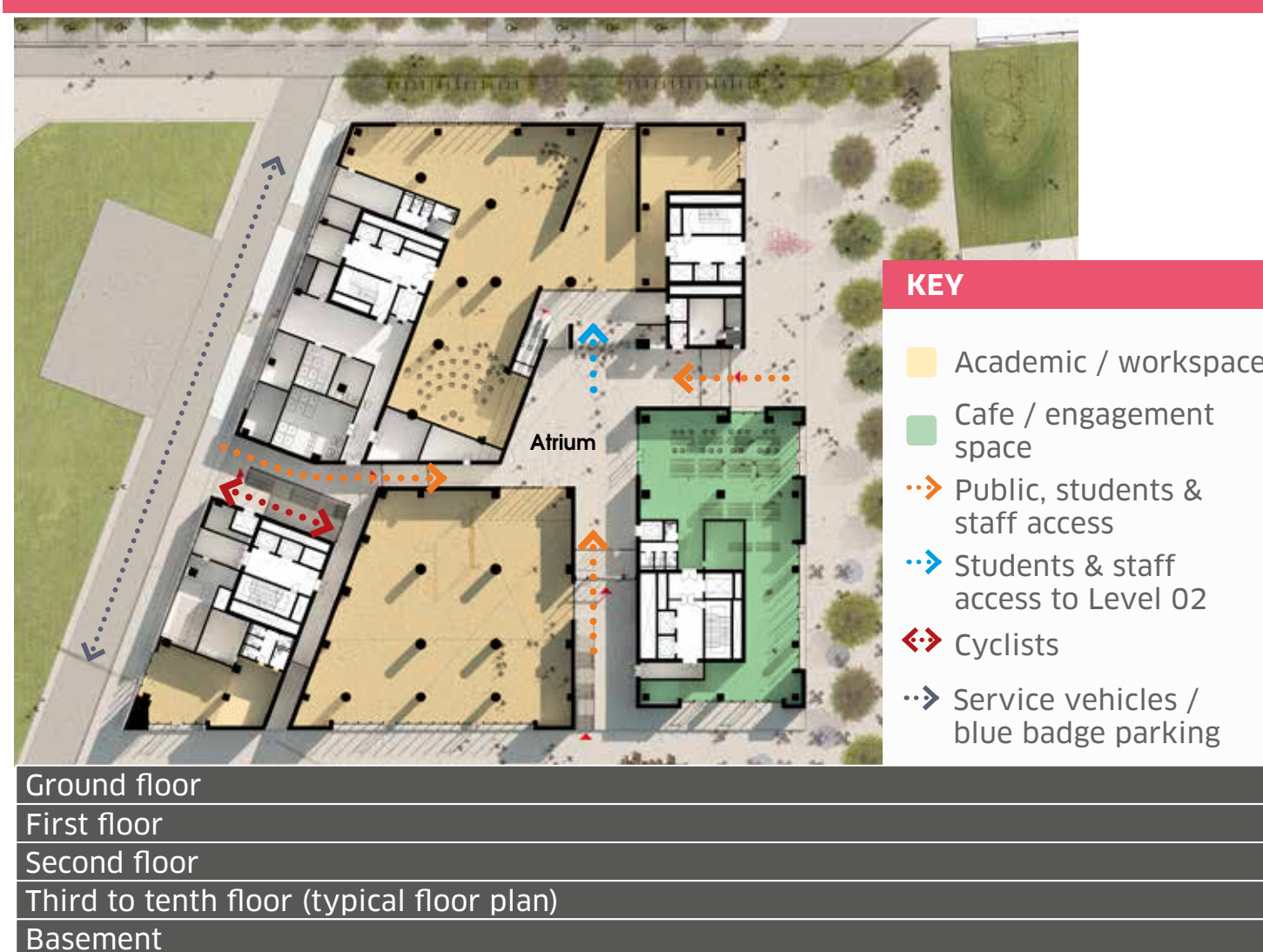
## KEY FEATURES

The 'Fluid Zone' is made up of a publicly accessible ground and first floor. It aims to blur public and private boundaries and has a strong connection with the public landscape around the building.

Using the analogy of streets and courtyards a plan has been developed around a series of generous internal 'streets' and a central 'courtyard', all open and accessible from the external public realm and responding to the access and hierarchy of movement across the wider site.

These spaces are fully accessible and capable of supporting a range of different activities and events including, at the heart of the building, the potential for a central public space where vertical connections into the higher levels create glimpses of the academic neighbourhoods above.

## LAYOUT AND ACCESS PLAN



## FLUID ZONE (INTERIOR)



### OVERVIEW:

- An open and accessible, internal 'courtyard' is animated by surrounding amenity spaces and visually exciting academic uses, encouraging public engagement with the building programme.

## INTERACTION SPACE



### OVERVIEW:

- The shifting, overlapping university building and atrium above is visible from the public realm at ground floor
- The expression within the building of each university neighbourhood and its individual character is evident strengthening the connection between private and public space within the building
- The atrium draws light down into the ground floor, whilst allowing the urban quality of the lower floors to extend upwards into the higher levels

## FLUID ZONE (EXTERIOR)



### OVERVIEW:

- The 'Fluid Zone' incorporates active frontages, highlighting the variety of publicly engaging uses within the building as well as publicly accessible, generous, inviting entrances/routes through the ground and first floor
- The landscape around the building is designed to allow academic programme and meanwhile uses to occupy the external public realm

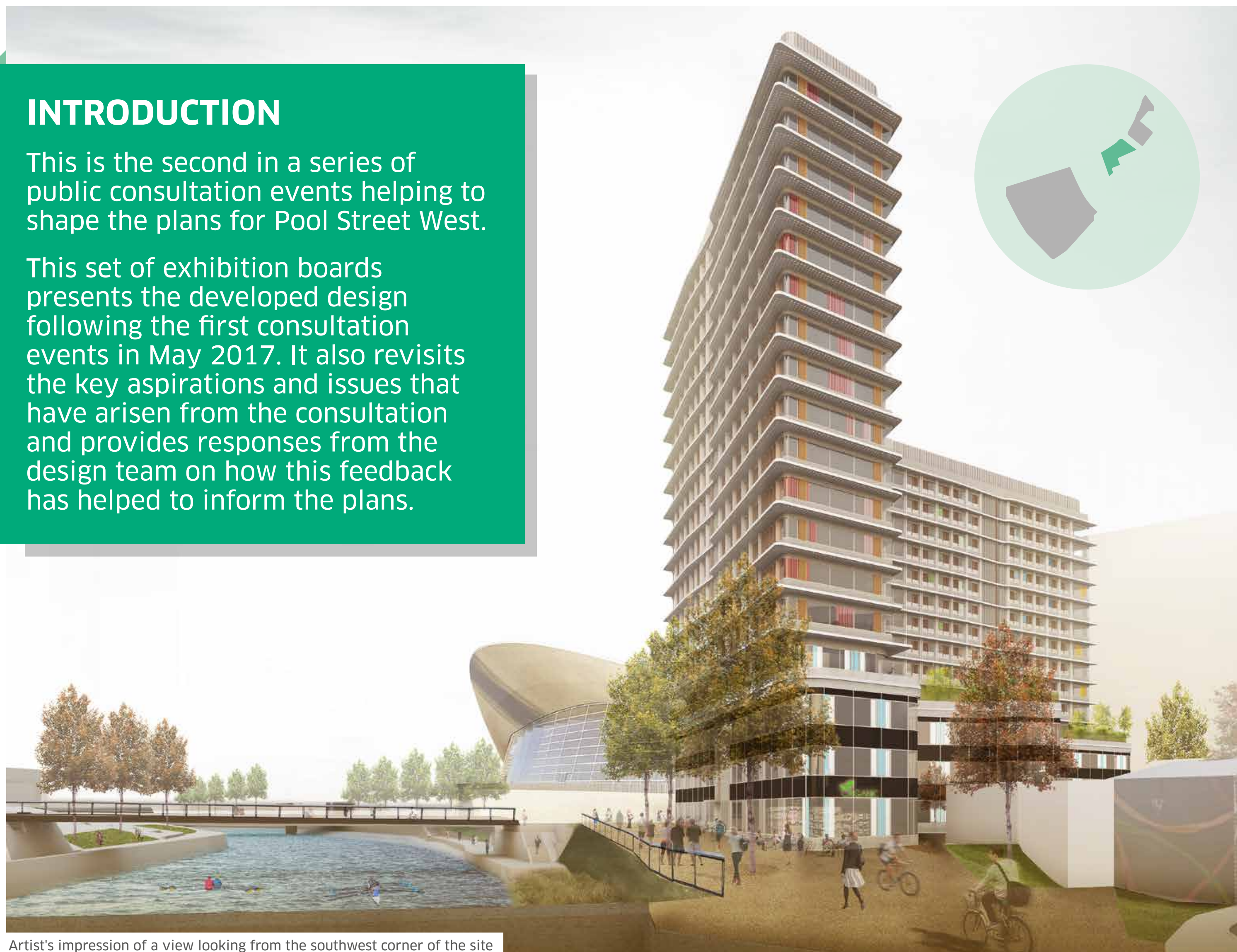


# 09 | POOL STREET WEST

## INTRODUCTION

This is the second in a series of public consultation events helping to shape the plans for Pool Street West.

This set of exhibition boards presents the developed design following the first consultation events in May 2017. It also revisits the key aspirations and issues that have arisen from the consultation and provides responses from the design team on how this feedback has helped to inform the plans.



Artist's impression of a view looking from the southwest corner of the site

## QUICK FACTS & FIGURES

Pool Street West will bring together academic spaces, student accommodation and local amenities, including:

- Academic floorspace of circa 5,000 m<sup>2</sup>
- Student residential floorspace of circa 13,000 m<sup>2</sup> with up to about 500 student study bedrooms (including wheelchair accessible and adaptable rooms)
- 3 levels of academic space at the lower levels, terrace level and residential space in two towers above this
- Provision of shared amenity space, community and engagement uses, retail and commercial spaces
- Flexible, adaptable and sustainable design that achieves as a minimum a rating of BREEAM 'Excellent'

## LEAD ARCHITECTS



Oxo Tower Wharf

Lifschutz Davidson Sandilands (LDS) have gained an international reputation for the quality of both its architecture and its completed projects in a wide variety of sectors. LDS have designed buildings of a similar nature to Pool Street West, including JW3, an award-winning community centre in London and iQ Shoreditch, a mixed-use scheme of student housing, hotel and offices.

There are a number of technical consultants involved in the project from sustainability to planning consultants.



# 10 | ACADEMIC VISION & ACTIVITIES

## DESIGN APPROACH

UCL East has established some clear objectives through earlier consultation on the illustrative masterplan.

Providing interactive spaces for exhibitions, and public engagement with the academic activities taking place is a key objective. This idea has been developed through the 'Fluid Zone' which encourages the public to access and make use of the academic building through active frontages, activities and events.

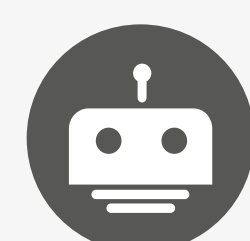
Since the last consultation in May / June 2017, changes have been made to the structure and the lower levels of the building. There will now be more academic activities taking place on the ground floor that are visible from outside to enhance the concept of the 'Fluid Zone' to encourage people inside.

## BRINGING THE ACADEMIC VISION TO LIFE

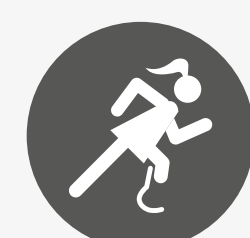
The academic vision for UCL East is deliberately innovative and ambitious. Pool Street West will house the **Future Living Institute**, which will explore global challenges such as planetary sustainability, understanding nature, environment and urbanisation, global communications, and social inclusivity. It will be truly multi-disciplinary and the first time UCL has created an institute cutting across five faculties.

The Future Living Institute aims to overcome the conventional barriers between research, education, enterprise and public engagement.

It will comprise:



The **Experimental Engineering Labs**, which will provide new academic activities covering a wide range of unique and innovative fields of study. A centre for Robotics & Autonomous Systems will offer the opportunity to build robots from the nano to large scale and model their environments.



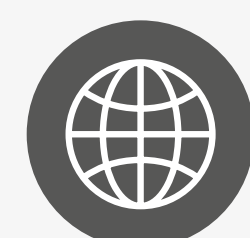
The **Global Disability Innovation Hub**, which will bring together cutting edge technology and lived experience. Academics, innovators, corporates and the local community will explore disability from a new perspective.



The **Culture Lab**, which will offer teaching, research and engagement spaces, underpinned by new programmes in making, media, conservation & heritage, and public history. Facilities at Pool Street West will include an object-based learning laboratory and a London Memory Archive.



**Nature-Smart Cities Labs**, which will be a research and teaching centre, focusing on three key themes: enhancing biodiversity of cities; understanding urban ecosystem services & wellbeing benefits; and engaging urban populations with their natural environment.



The **Urban Room**, as part of the **Global Future Cities Co-Labs**, which will be a major public and community space, hosted by urban academics from across UCL, for debating the past, present and future of London. The Co-Labs will provide opportunities for the application of knowledge towards the improvement of human settlements worldwide.



Section through the Atrium



Flexible spaces for performance, screenings and lectures



Cafés, canteens and social study areas



Workshops and programming for all ages



Exhibition and engagement spaces



# 11 | CONSULTATION TO DATE

## STAGE 1 CONSULTATION

The first stage of public consultation activities took place between May and June 2017. Over 150 people were involved through road shows and outreach sessions. Feedback was gathered from both the UCL community and the local community to gain an understanding of thoughts, issues and aspirations.

Feedback showed:

- Many respondents were excited about the opportunities for engagement and the potential for events and programming to encourage both the UCL community and members of the public into the building
- While the majority of respondents were positive and excited about the provision and quality of green space, some cited that they could not tell if there would be enough biodiversity and outdoor activities
- There was a general appreciation that the building would be inviting and accessible. Many of the comments expressed that the design approach to provide active frontages, presenting university activities and engaging passers-by, would be well achieved through the proposals
- Generally the building and approach to the identity is innovative and transparent, however some felt that the building seemed generic and corporate in its look and feel

## TRACKING CHANGES

There have been a number of changes and developments to the proposal since the previous exhibition, considering some of the feedback gathered.

The following captures some key changes:

- The design has been developed to increase active uses around the perimeter of the buildings at the ground floor. Plant rooms have been relocated to a basement level and workspaces positioned opening on to the making yard off Pool Street
- The facade design has evolved to include coloured glazed panels. The tower design has been developed further to refine the solar shading elements and concrete texture / colour
- More detail provided on biodiversity and outdoor spaces

See board 13 for more information.

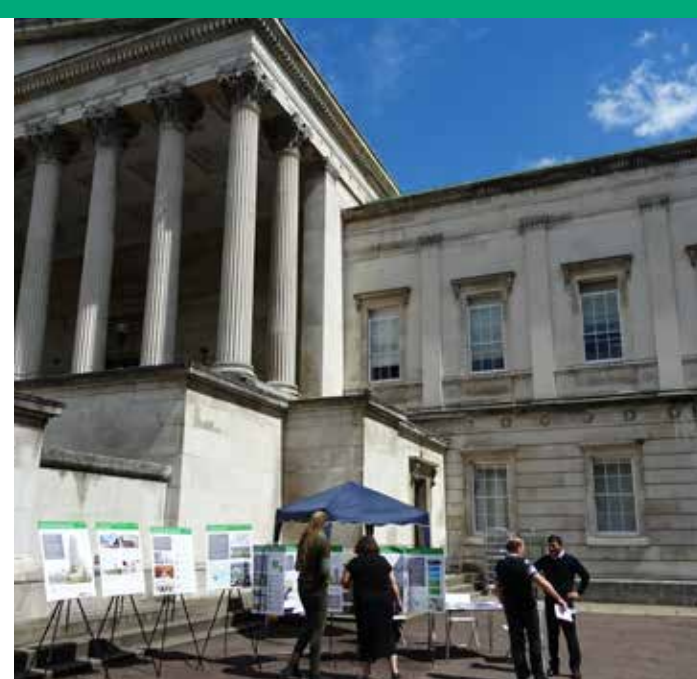


View of the residential tower

## STAGE 1 EVENTS



Road show in Stratford Broadway



Road show at Main Quad of UCL Bloomsbury



Legacy Youth Voice session



UCLU Sabbatical Officers walkabout



# 12 | ACCESS AND CONNECTIVITY

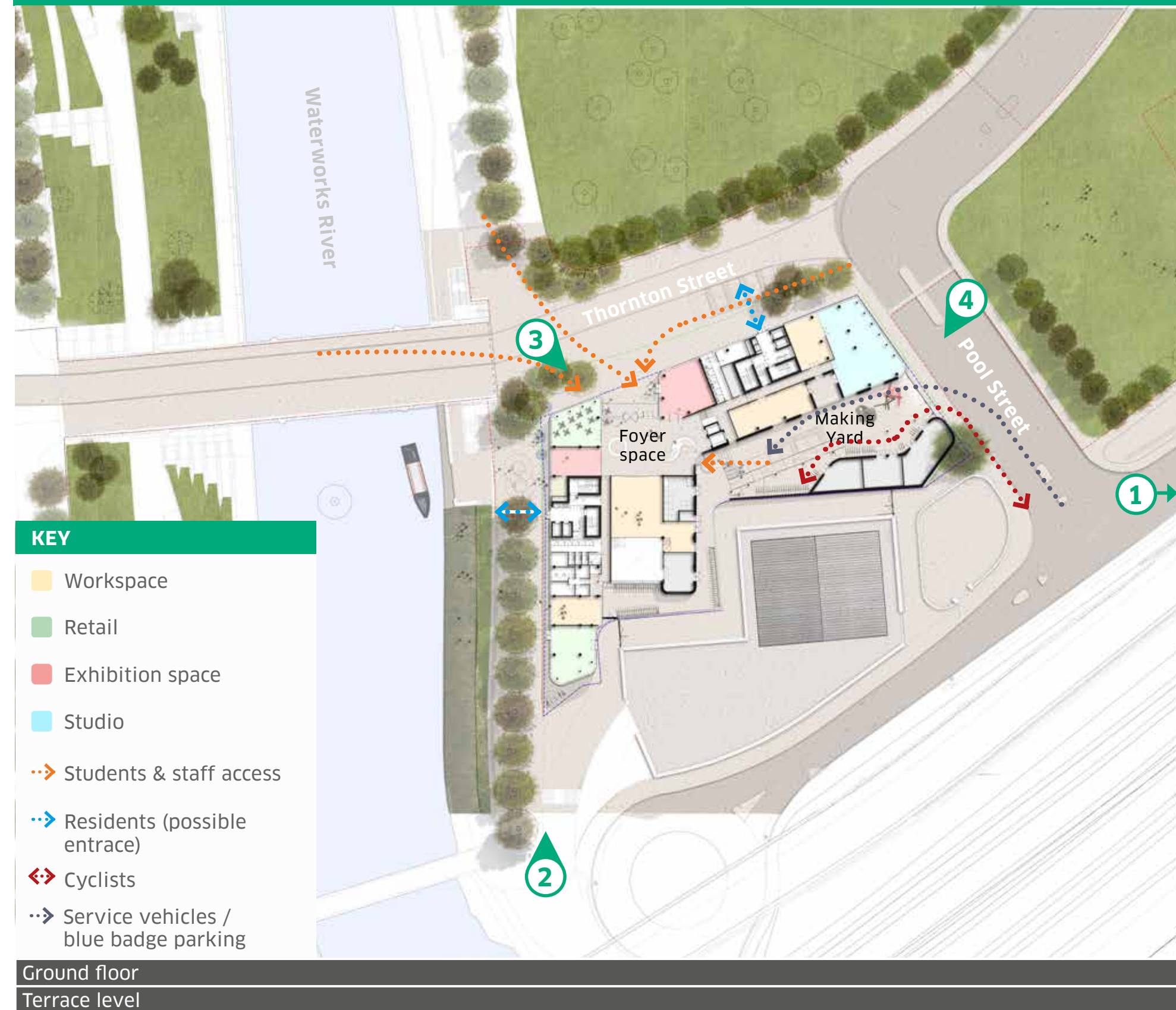
## KEY FEATURES

The public realm design of the 'Fluid Zone' on the first two storeys aims to enhance the existing routes and better integrate with the wider context. Active frontages will be maximised at ground floor level.

A key part of the 'Fluid Zone' design concept is an open and accessible entrance foyer at the centre of the building with an atrium above. Shared facilities and amenity space will surround the atrium, helping to create a dynamic and welcoming environment that encourages UCL students and staff, visitors and the local community to enter and spend time in the building.

Images on the right shows illustrative views along the key routes and access points.

## KEY ROUTES AND VIEWS



View from Montfichet Road



View from Sidings Street, along Waterworks River with cafes and retail



Key approach from Pool Street / Montfichet Road intersection towards the Making Yard



View from the north on Thornton Street facing the main entrance



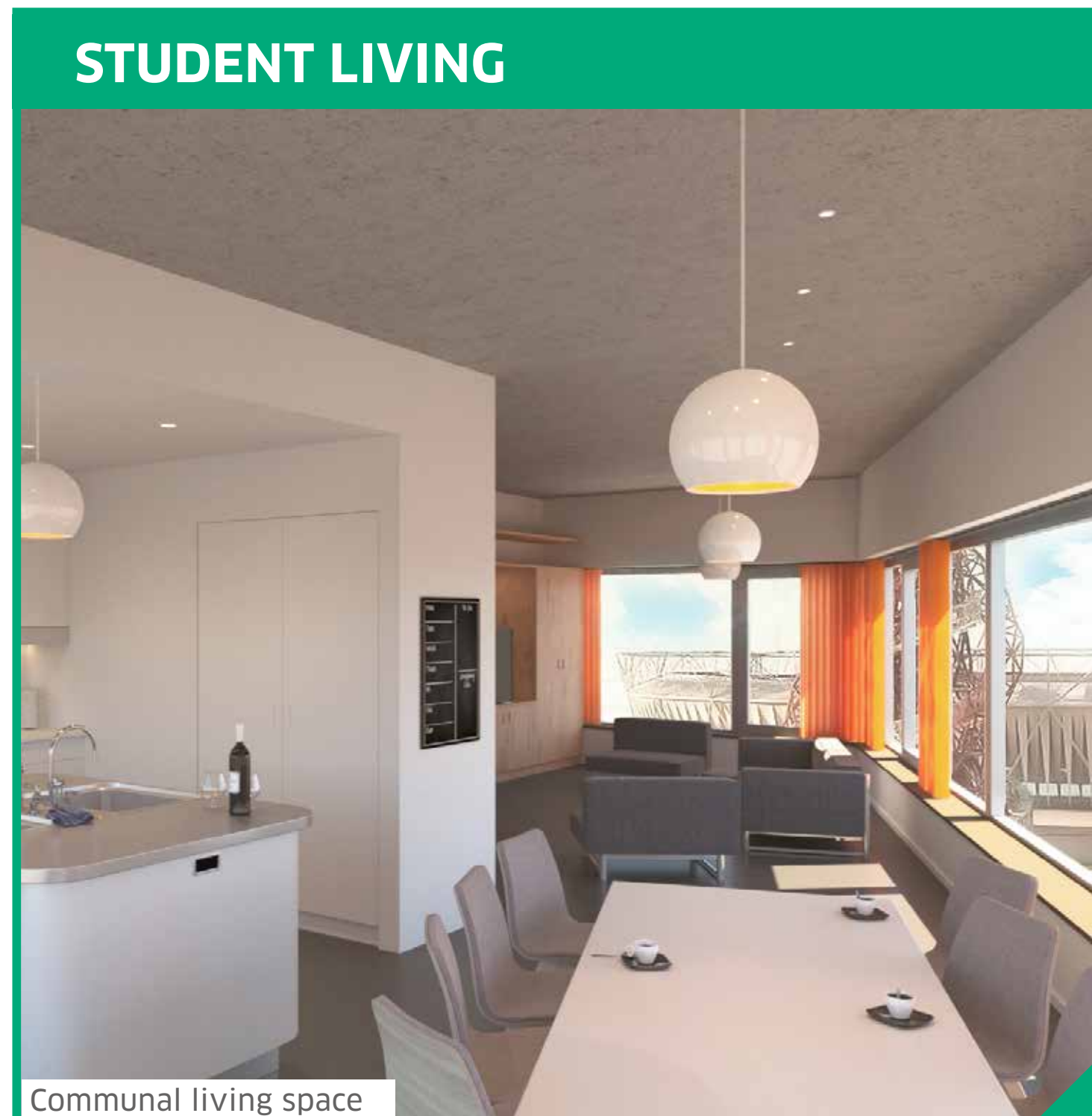
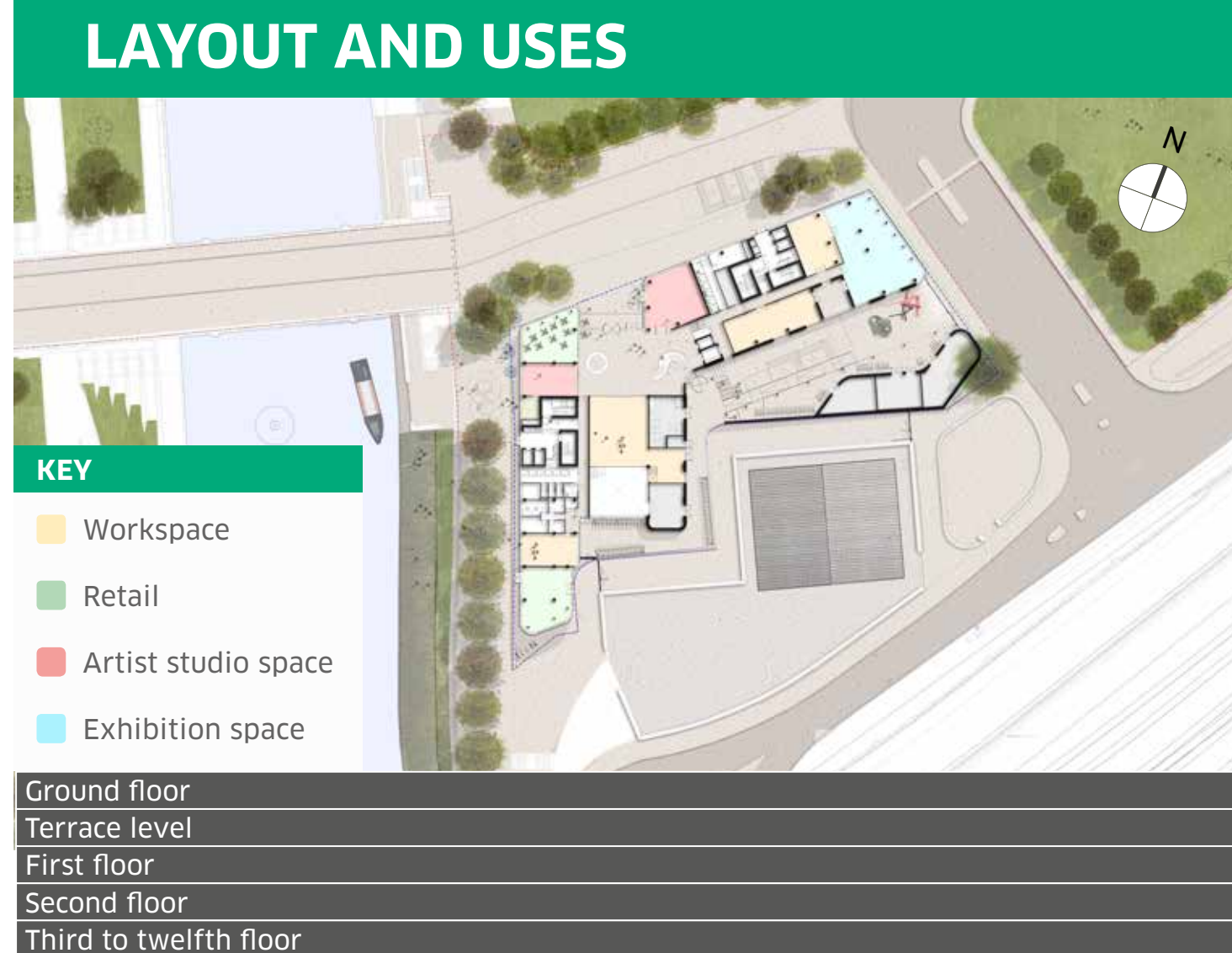
# 13 | DESIGN DEVELOPMENT

## KEY FEATURES

The terrace amenity space provides a range of outdoor areas for all building users to enjoy.

Planting and trees have been carefully located to mitigate wind and provide biodiversity. The aspect of the terrace will result in a warm microclimate and a considerable amount of heat will be generated from the building. The planting palette is simple and a strong emphasis will be placed on a selection of plants that will ensure a successive flowering between Spring and Autumn. At this elevated level, views to the north of the Park will be spectacular.

The student accommodation, which is accessed via the terrace, will include a spacious communal living space with access to the terrace.



#### OVERVIEW:

Student residential accommodation arranged in clusters of 8-10 students including:

- Self-catered, ensuite bedrooms with generous shared kitchen / living / dining facilities
- Wheelchair accessible rooms
- Further communal spaces at terrace level, including a study area, music practice room and lounge
- Generous views out
- Optimised storage

## TERRACE



Illustration of how the terrace level is occupied: The terrace layout has a series of garden spaces to provide a sheltered and intimate space for people using the building.

#### ACTIVITIES & USES:



Balcony overlooking the river



Events and spill out space



Pop-ups



Green spaces for study and leisure

#### LANDSCAPE & BIODIVERSITY:



Ornamental planting will articulate the space with aromatic and seasonal flowers. Students will have the opportunity to grow their own herbs.



Formal hedge planting encloses the spaces. This hedge is fast growing, wind tolerant and has attractive foliage.



A selection of Mediterranean trees will be planted to reduce the affects of the wind and visible from the building attracting people outside.