

# WEST CAMBRIDGE

## Shared Facilities Hub and Cavendish III



West Cambridge site

Cambridge

## Welcome

Thank you for taking the time to attend our public exhibition on proposals for the Shared Facilities Hub and Cavendish III building on the West Cambridge site.

We would like to hear your views on our proposals: please take your time to review the material on display and fill in one of our feedback forms before you leave. Members of the project team are on hand and will be happy to answer any questions you have.

## The Project Team

The design team has extensive experience in the delivery of similar university facilities, bringing specific technical background and knowledge that are crucial to achieving the best outcome for this project.



## What is a Shared Facilities Hub?

This will be a landmark building offering quality space for study, collaboration and socialising for academics, students and staff, as well as for the local community.

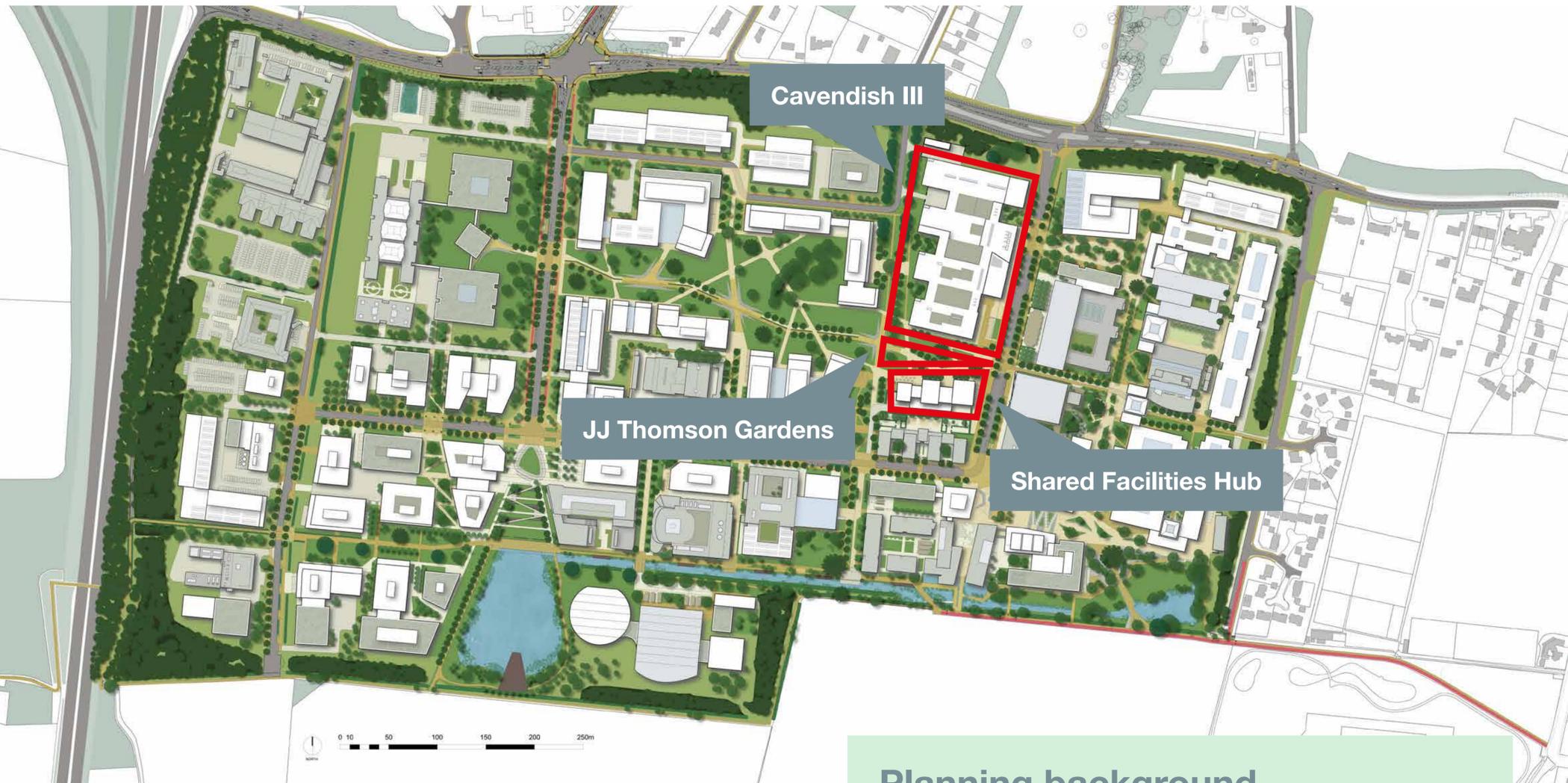


## What is Cavendish III?

Cavendish III will relocate the current physics laboratory to a larger purpose-built building. The new premises will house research groups, laboratories, office and support accommodation.

# WEST CAMBRIDGE

## Shared Facilities Hub and Cavendish III



## Masterplan

### The University's vision for West Cambridge is for:

- A world-class, well connected research and development environment that benefits Cambridge, the region and the UK – one that provides facilities that help the University to retain its globally competitive position by continuing to attract and retain the world's best academics and researchers, as well as one that supports entrepreneurship and collaboration with industry.
- A high quality working environment that inspires pride and achievement as a world-renowned research and development site.
- High standards in environmental sustainability across the site and sustainable travel methods to and from the site.

The existing West Cambridge site is home to a number of major academic research occupiers including the Cavendish Laboratory, the Whittle Laboratory and Department of Veterinary Medicine. Commercial research and research institute occupiers to the western side of the site include Schlumberger, Aveva and British Antarctic Survey.

More recently a number of new buildings have been erected including the Maxwell Centre for the Department of

### Planning background

Our application for the masterplan was submitted in June 2016 and is awaiting a decision from Cambridge City Council. Through discussion with the local authority and stakeholders a number of changes to that masterplan have been made and will be submitted to the local authority for consultation imminently. The Cavendish III proposal and the Shared Facilities Hub have evolved in line with these masterplan proposals, and will complement the vision set out in the masterplan. They are being designed within the parameters and guidelines set out in the masterplan proposal but will be submitted as Full standalone planning applications as the outline application is yet to be determined.

Physics, the Chemical Engineering and Biotechnology building, and the CAPE Extension as part of Electrical Engineering.

The remainder of future development on the West Cambridge site will take into account the review of the masterplan so the area can be brought forward with cohesive design principles that reflect the vision of the scheme which will include better facilities for collaboration through new amenities, public facilities and open spaces.

# WEST CAMBRIDGE

## Shared Facilities Hub and Cavendish III



## Shared Facilities Hub

### Outline of proposals

Located at the centre of the West Cambridge campus, west of JJ Thomson Avenue, the new Shared Facilities Hub will be a landmark facility for use by everyone using the site as well as the local community.

We are proposing a three storey building comprising a variety of innovative and flexible spaces for study as well as attractive spaces for meetings, collaboration and socialising. The provision of dining/catering facilities will be a key feature of the Shared Facilities Hub.

### What is being proposed?

- 2 new 100 capacity teaching spaces and 1 new 50 capacity teaching space
- Smaller seminar and meeting rooms
- A new library and individual study space
- Contemplation space
- A shop



Ground Floor



First Floor



Second Floor

# WEST CAMBRIDGE

## Shared Facilities Hub and Cavendish III



## Shared Facilities Hub

Our goal is to make the Shared Facilities Hub the day to day centre of operations at West Cambridge, as a space where users from across the campus can come together, share ideas, and socialise.

### Benefits

- To create this environment, the Shared Facilities Hub may potentially have extended opening hours into the evening.
- Meeting, study and shared spaces will encourage interaction and collaboration.
- Cafes and bars with high quality catering will offer social space for site users as well as the local community.
- The building will open out onto the proposed gardens creating an open and welcoming environment.
- Provision of cycle parking close to the building entrance.



# WEST CAMBRIDGE

## Shared Facilities Hub and Cavendish III



## Cavendish III

### Outline of proposals

The Cavendish III site is located to the west of JJ Thomson Avenue, across the road from the Whittle Laboratory and the William Gates Building.

The new Cavendish Laboratory will house:

- Physics laboratories, including facilities for specialist experiments, and an ultra-low vibration basement
- Lecture theatres and seminar rooms
- Teaching laboratories
- Workshop
- Offices and support accommodation
- Library
- Common Room
- Exhibition area



First Floor



Second Floor



Third Floor

# WEST CAMBRIDGE

## Shared Facilities Hub and Cavendish III



## Cavendish III

Our vision for Cavendish III is to establish a state of the art science facility at the forefront of experimentation and research. The space will also offer opportunities for the local community to attend lectures and make the most of available resources.

The design has evolved taking into consideration the site constraints and has been designed to ensure that the amenity of nearby residents is protected. The proposed building is generally 4 storeys in height and sits well underneath the parameter plans set out in the outline application. Special care has been taken to protect, and enhance the northern woodland buffer, and ensure that any noise impact is mitigated or contained on site.

Planned around a central research zone and public wing, architects have created a principal 'street' running through the building and framing the six internal courtyard gardens, which help to break up the mass of the building and implement the masterplan proposal for an integrated landscape solution.

### Access

Existing Cavendish staff and students typically use sustainable modes of transport to access the site. The majority of users working and visiting this facility will do so via bicycle and on foot, with central Cambridge a 30 minute walk or 9 minute bicycle ride away. There will be approximately 750 cycle spaces provided as part of the Cavendish III facility. Car parking will be

accommodated within the existing carpark infrastructure for the West Cambridge site. Car Parking will eventually be accommodated within Multi-storey car parks which will come forward as part of future phases.



East Elevation



North Elevation

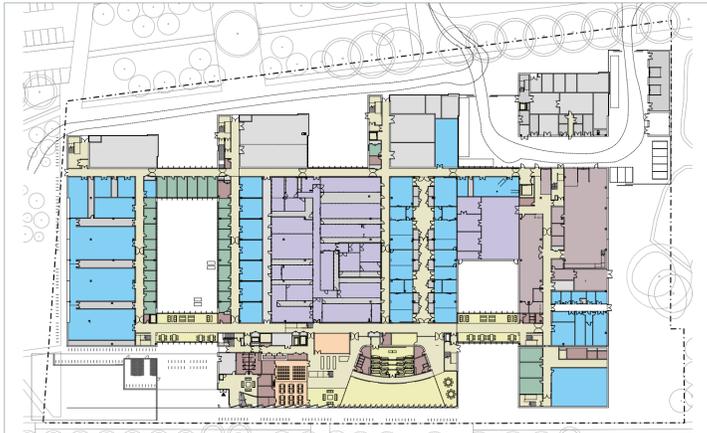


South Elevation

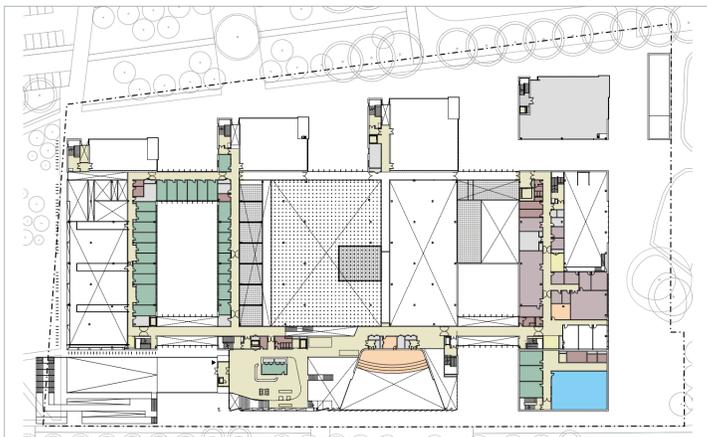
# WEST CAMBRIDGE

## Shared Facilities Hub and Cavendish III

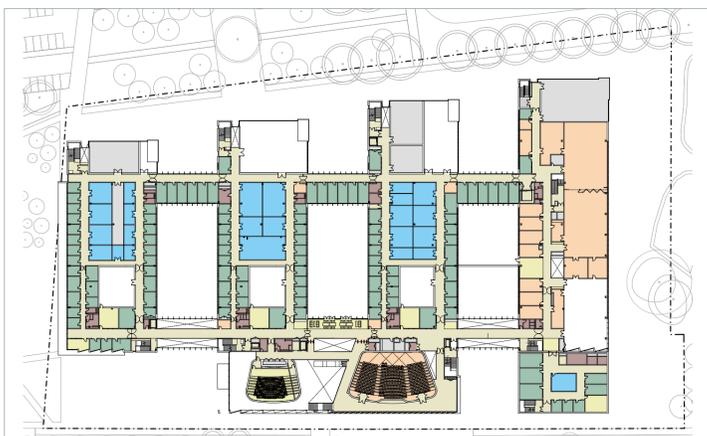
### Site Plan



Ground Floor plan



First Floor plan



Second Floor plan



Third Floor plan



Landscape Masterplan

# WEST CAMBRIDGE

## Shared Facilities Hub and Cavendish III



## Public Open Space

The gardens will provide:

- An extensive green space between the two new buildings which will form the first part of the wider 'green' central spine of the new masterplan.
- A range of seating opportunities, offering formal and informal seating during all times of day.
- New tree planting to complement the retained trees on the site.
- Innovative new water features which form part of the Sustainable Drainage System on the site.
- Opportunity for informal recreation.
- A shared cycle and pedestrian path that will, in later phases connect JJ Thomson Avenue with High Cross.
- A new green link to connect Charles Babbage Road with Madingley Road.
- Spaces for street food vendors to add to the variety of catering opportunities.
- An opportunity to host part of the site wide public art strategy.



- |                             |                            |
|-----------------------------|----------------------------|
| ① Gateway urban forest      | ⑦ Pocket seating area      |
| ② Tables & chairs to SFH    | ⑧ Connection to Vet School |
| ③ Open lawn flexible use    | ⑨ Cycle parking            |
| ④ Water feature rain garden | ⑩ Specimen tree            |
| ⑤ South facing seat steps   | ⑪ Avenue trees             |
| ⑥ Existing Lime trees       |                            |

# WEST CAMBRIDGE

## Shared Facilities Hub and Cavendish III



## Next steps

Thank you for taking the time to attend our exhibition. Please share your thoughts with us by completing a feedback form.

We will review your feedback and consider alongside our draft designs before submitting our planning application to Cambridge City Council. Once the application is submitted, the Council will then conduct its own consultation, to which you will also be able to respond.

If you would like to be kept updated about our proposals, please leave your contact details at the sign-in desk or email [info@westcambridge-sfh.co.uk](mailto:info@westcambridge-sfh.co.uk).

Please note the deadline for feedback is **21st July**.

### Indicative Timetable

- Stakeholder and community engagement Summer 2017
- Planning Submission Autumn 2017
- Planning Application Determined December 2017/January 2018
- Start of Construction Spring 2018
- Completion Date 2021