

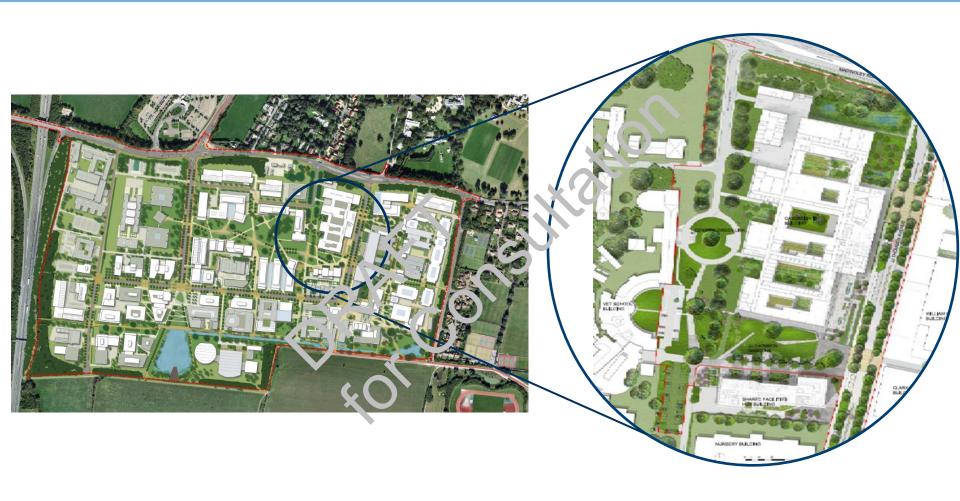
Cavendish III & Shared Facilities Hub

Mark Parsons- Planning Manager, Estate Management



West Cambridge Site, Madingley Road, Cambridge

Cavendish III and Shared Facilities Hub





Why Now?

 Cavendish III and Shared Facilities Hub (SFH) applications submitted as 'Full' applications ahead of the Outline application being determined.

 Autumn Statement 2015 – the Chancellor commits £75 million to the transformation of the Cavendish Laboratory.

Spend must occur

£5M by April 2018

+ £35M by April 2010

+ £35M by April 2020

 In order to spend £40M by April 2019, 'design certainty' (i.e. planning approval) needs to be in place early 2018.

17/1799/FUL

17/1896/FUL

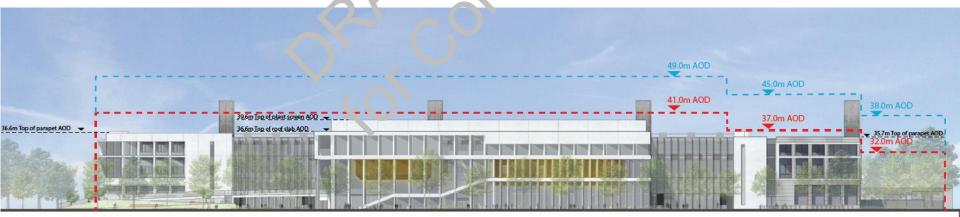
SFH brings complementary facilities and would be part of the same contract.



Why Now?

- Designs have been drawn up using the amended Parameter Plans and amended Design Guidelines recently submitted.
- Although a Full Application... 'in design terms' it has been treated as a Reserved Matters application.
- Both proposals sit well under the parameter plans.







Cavendish II

- Limited spaceconversation of offices into Lab space.
- Storage and workspace in corridors.
- Poor state of repair.
- Poor working conditions with some offices having no natural light.
- >20 external entrances creates security issues and limits collaboration.
- Exceeded design life.

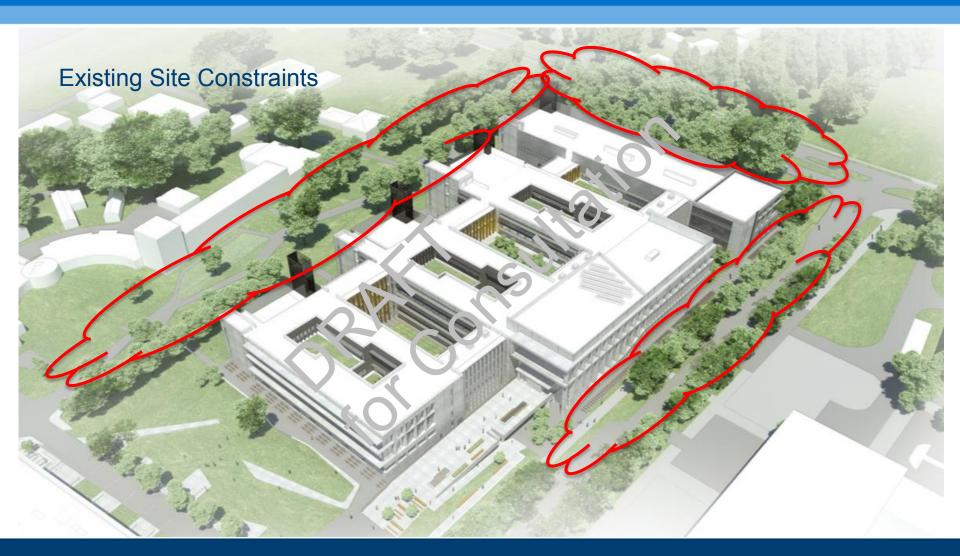




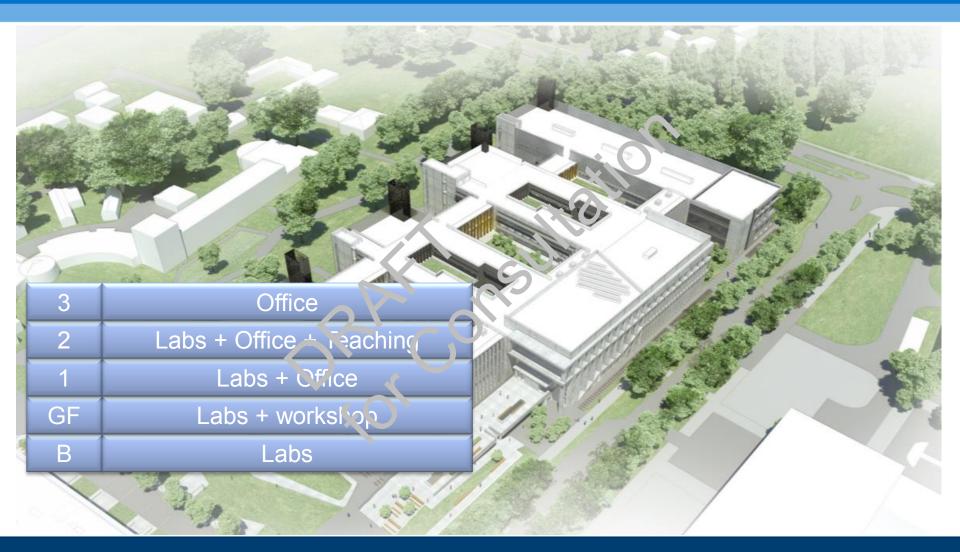




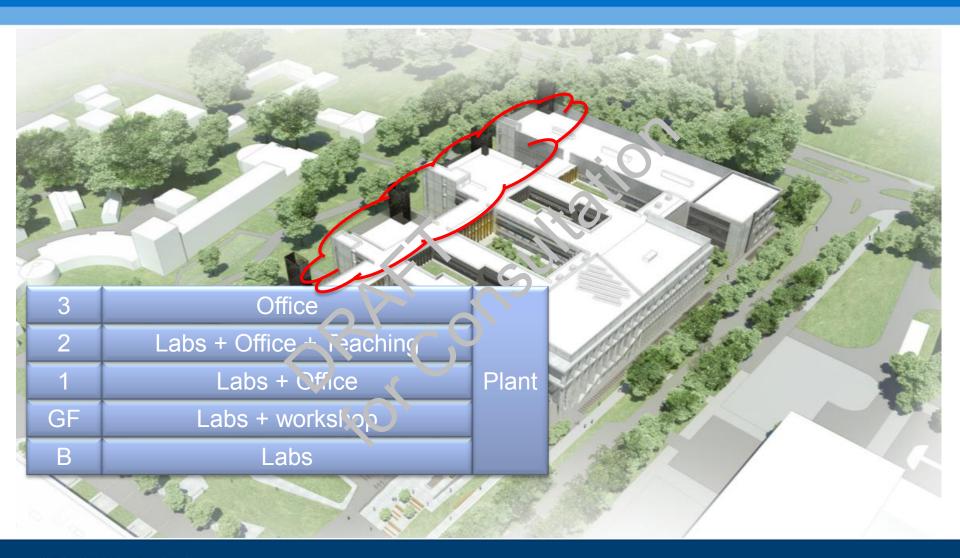




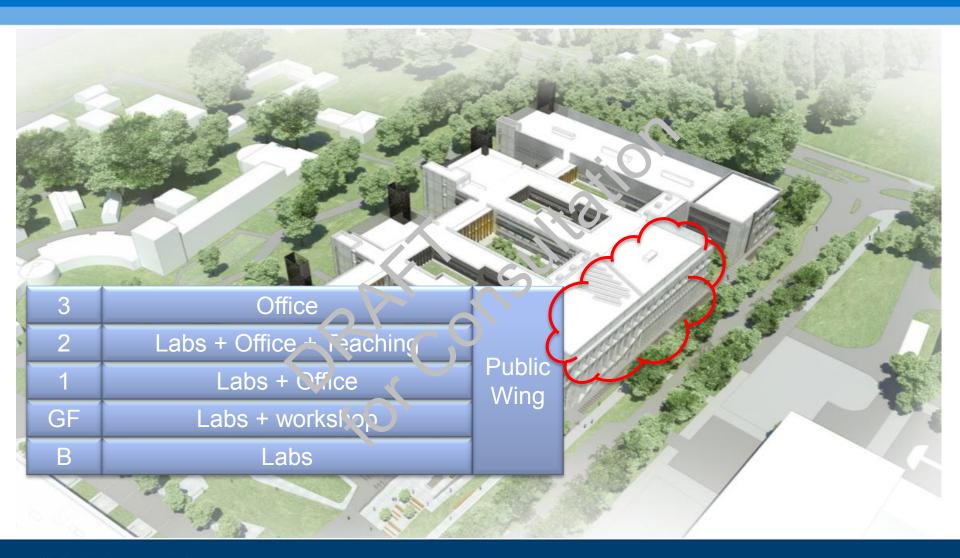




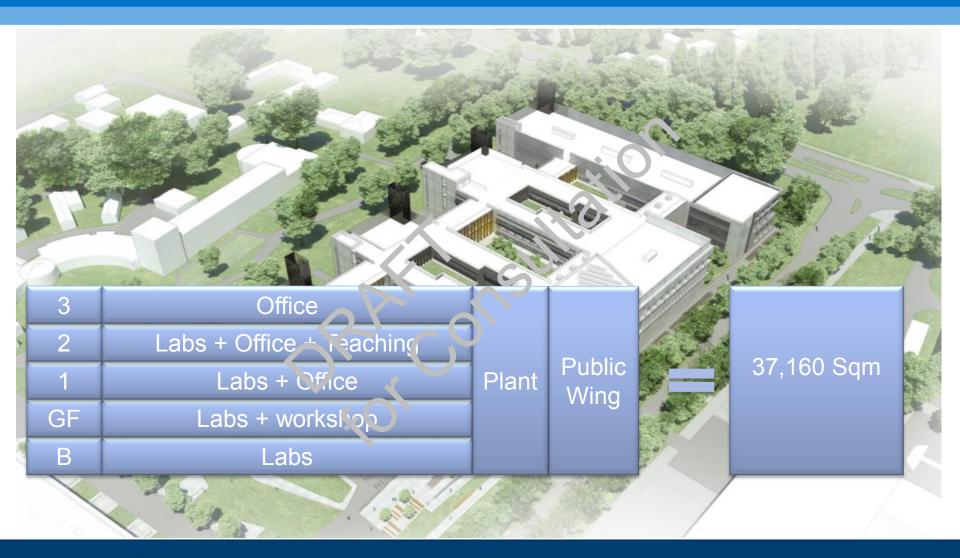






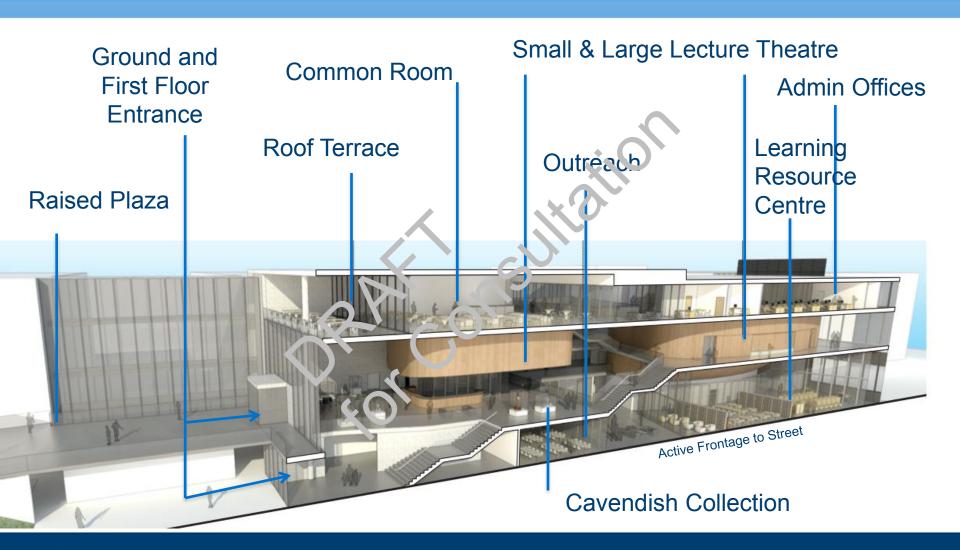








Cavendish III Proposed Design – Public Wing





Cavendish III Proposed Design – Active Frontages





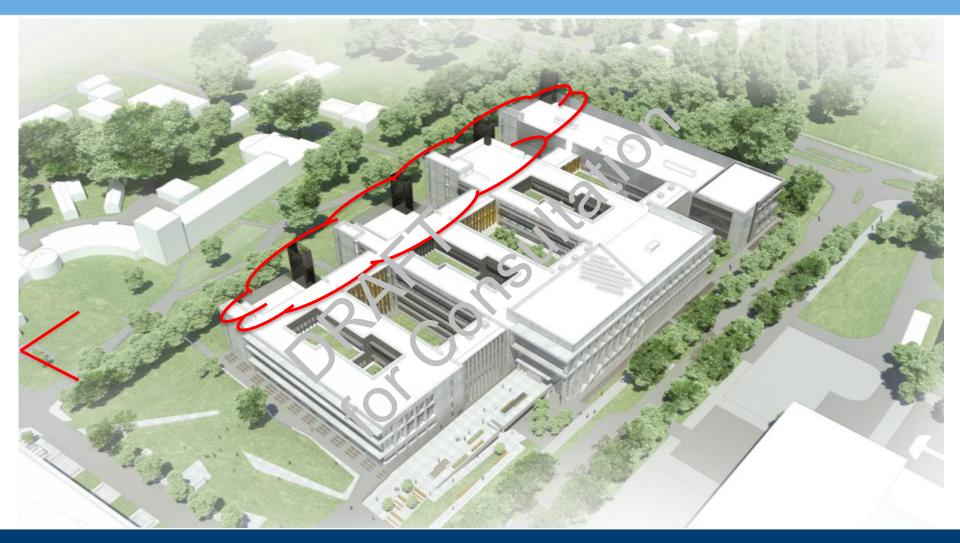




View From Madingley Road







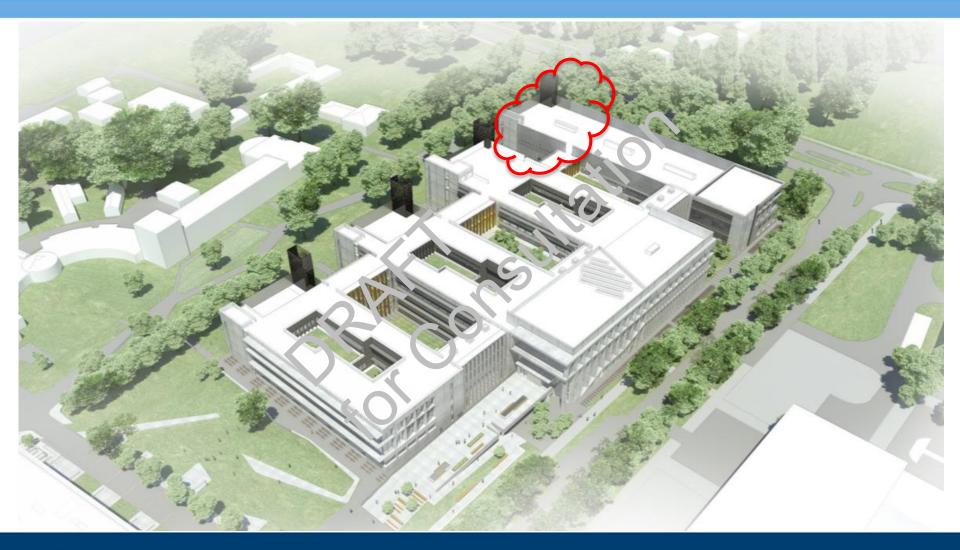


Southern and Western Elevation





Service Yard





Service Yard





Service Yard

- No deliveries outside of daytime hours (all deliveries between 7am & 7pm).
- Over a 12 hour period
 - 2 deliveries per hour
 - Around 75% of deliveries will be with a small van or light good vehicle
 - Average 1 large lorry every 4 hours
 - One HGV a week for LN₂
- All deliveries in daytime hours are predicted to be below the current background level.
- Left in, left out arrangement from Madingley Road.





View From Bell Mouth of Conduit Head Road



Cycle Parking

- 769 Spaces
- 74% Covered
- Majority of spaces located under the raised plaza.
- Staff spaces (long term cycle parking) all covered and behind card activated door
- Students mix of covered and uncovered







Car Parking

- 77 Spaces
- Additional 4 disabled spaces
- Spaces will be located within the existing car parks within the site already built.
- No requirement for these proposals to trigger the need for any multi-storey car parks.







- 1 Plinth seating
- (2) low wall for a permeable edge
- (3) Informal lawn and flexible use
- Extensions into the landscape with seating
- 5 Gateway plaza meeting spot with feature tree
- Open space allowing movement and temporary installations (market, food trucks...)
- Cavendish III cycle parking
- Causeway main cycle
 & pedestrian route
- 9 Feature Trees

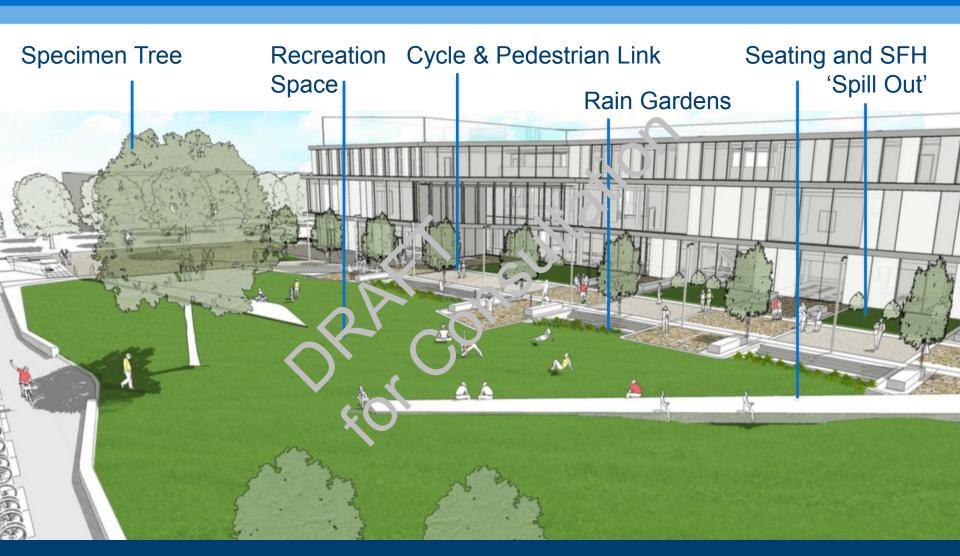




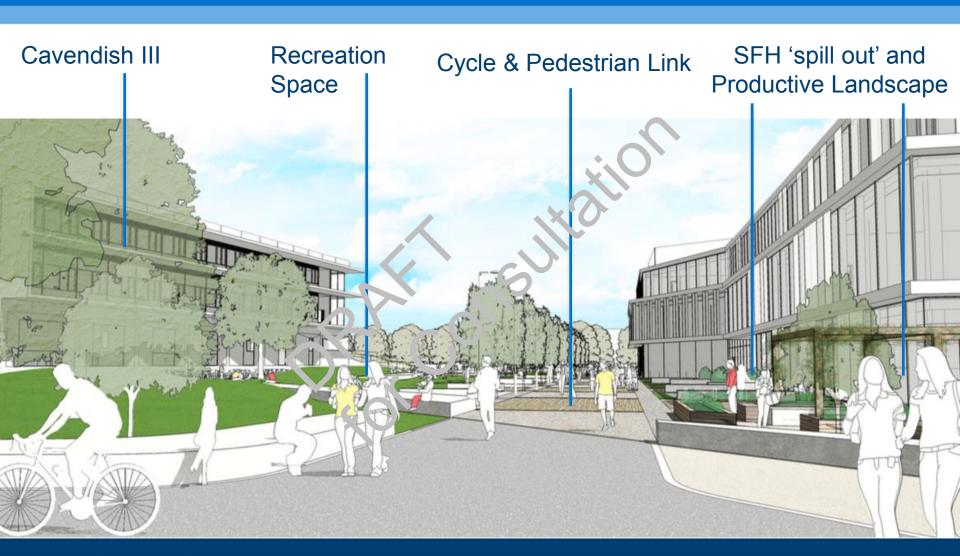
Potential to segregate once later phases, and the link between High Cross and JJ Thomson Avenue is complete.













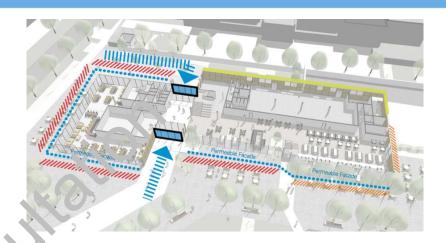
Shared Facilities Hub





Shared Facilities Hub – Ground Floor

- Two main entrances, one to the southern plaza and one fronting JJ Thomson Gardens.
- Transparent design
- Convenience store
- Range of catering options
- Outdoor Seating around the building
- Back of house/service yard accessed from Charles Babbage Road







Shared Facilities Hub – First and Second Floor

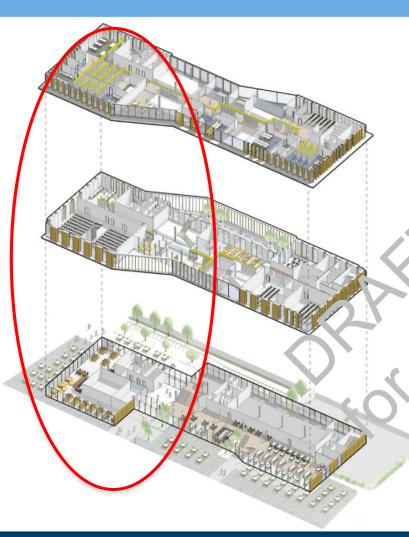




- Range of flexible teaching rooms, meeting rooms and seminar rooms
- Low, medium and high intensity study areas
- Contemplation space
- First Floor terrace area.



Shared Facilities Hub – Extended hours

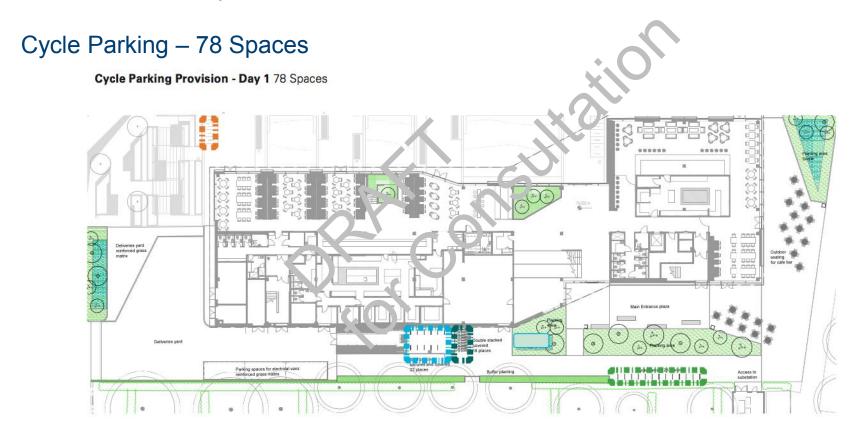


- Building is zoned so that part or all of the building can continue to be used into the evening.
- Restaurant/Bar vill encourage activity after normal office hours.
- Community use of the flexible teaching spaces for fitness classes or resident's meetings.



Shared Facilities Hub – Car and Cycle Parking

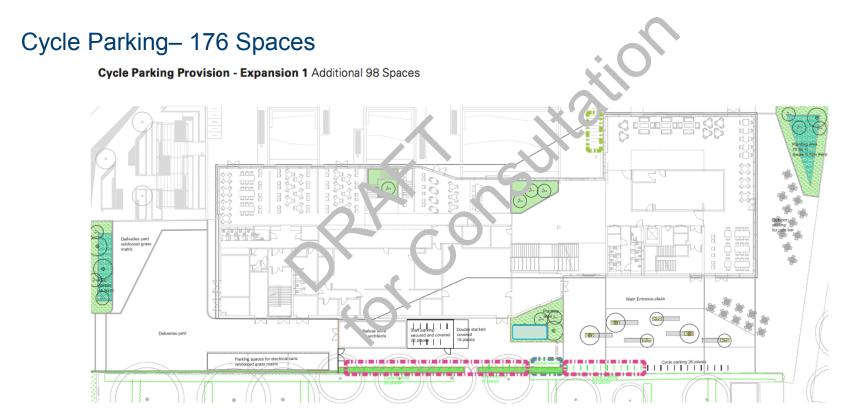
- Car Parking (24 Spaces) within existing Infrastructure on site
- Two Disabled Spaces close to main entrance





Shared Facilities Hub – Car and Cycle Parking

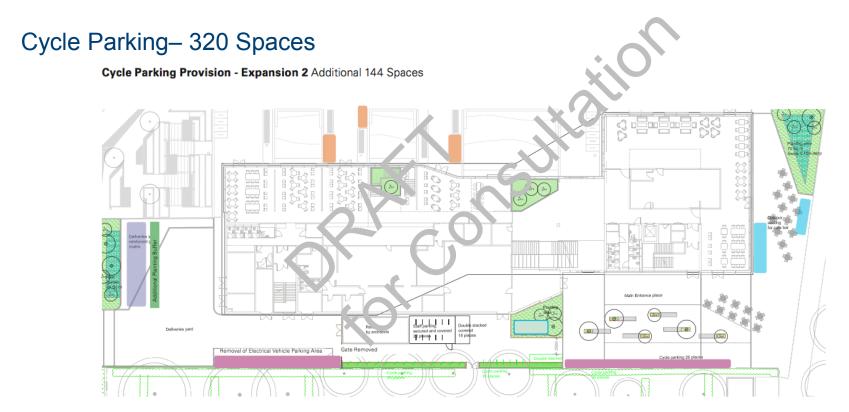
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Shared Facilities Hub – Car and Cycle Parking

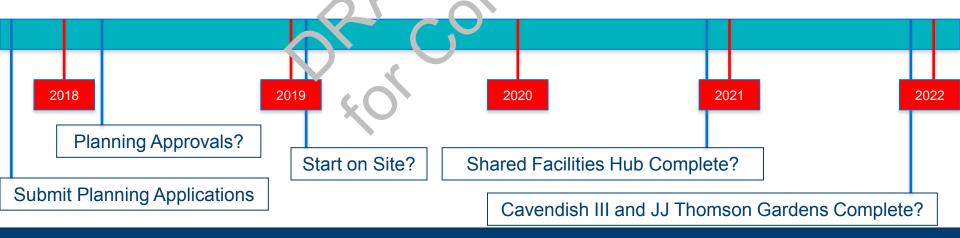
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Cavendish III and Shared Facilities Hub

- Both schemes will achieve BREEAM Excellent
- Ground Source Heat Pumps connected between buildings as part of a network
- SuDS incorporated into the designs to achieve required run off rates
- Health and Well Being considered in the designs
- Both schemes designed to reflect the new vision for the West Cambridge Site





Questions



