

3

Location

3.1

Historical Development of the Hammersmith Campus

The plot is located at the North East perimeter of the Hammersmith Campus, adjacent to the Wolfson Education Building, Cancer Centre (radiotherapy) and the ICHT Maintenance and Energy Centre; immediately adjacent is the Burlington Danes Academy, with their playing fields being directly next to the property border.

The plot was previously occupied by the Cyclotron building, which was built between 1952 and 1955. It was constructed in various phases which resulted in a very complex building, with different floor levels, eight storeys high.

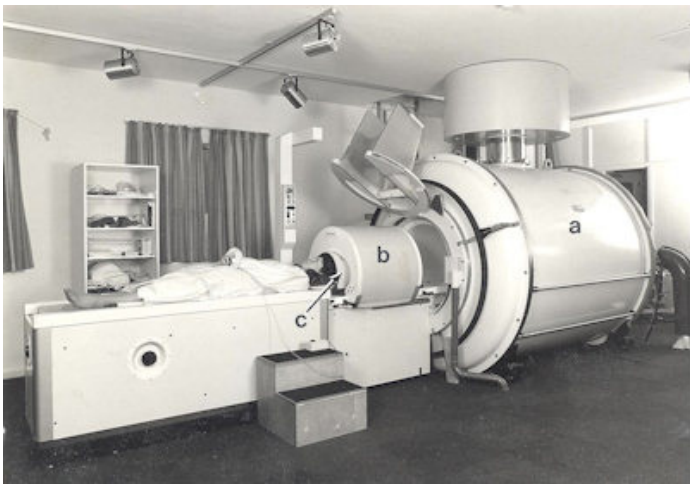
The Cyclotron building was at the leading edge of science, having hosted the first cyclotron and consisted of heavily constructed facilities to hold the magnet and target area as well as specialist areas for patient application. It remained in use and was fully occupied and continuously working with radionuclides for diagnosis and treatment of a range of diseases until 2012.

The Cyclotron Building was demolished by McGee in 2014 in preparation for this project.

The scope of the decommissioning and demolition of the Cyclotron Building in 2014 stopped short of demolishing the ground floor slab and removing the foundations. Voids below the Ground Floor slab have been backfilled with gravel and the site secured at the agreed boundaries with hoarding.

The scientific work undertaken in the Cyclotron Building involved the use of various radioisotopes, most of which were short-life. However, some were long-life radioisotopes, which are still detectable in specific areas of the ground floor slab and may be present in some of the areas below the slab. MRC have undertaken a survey of the remaining ground floor slab and are currently reviewing the status of the area in order to determine, if a complete removal of the foundations and ground floor slab is required. If so, this would need to be taken into consideration in the design development or enabling works.

For the housing of the magnet and relevant ancillaries, the structure of floors, walls and ceiling were constructed in very thick, heavily reinforced concrete. As part of their design assessments the designers are asked to consider the suitability of the existing foundations for the future facility.



*The Hammersmith Hospital, Du Cane Road in 1977. The NMR scanner with cryogenic magnet*



3

Location

3.2

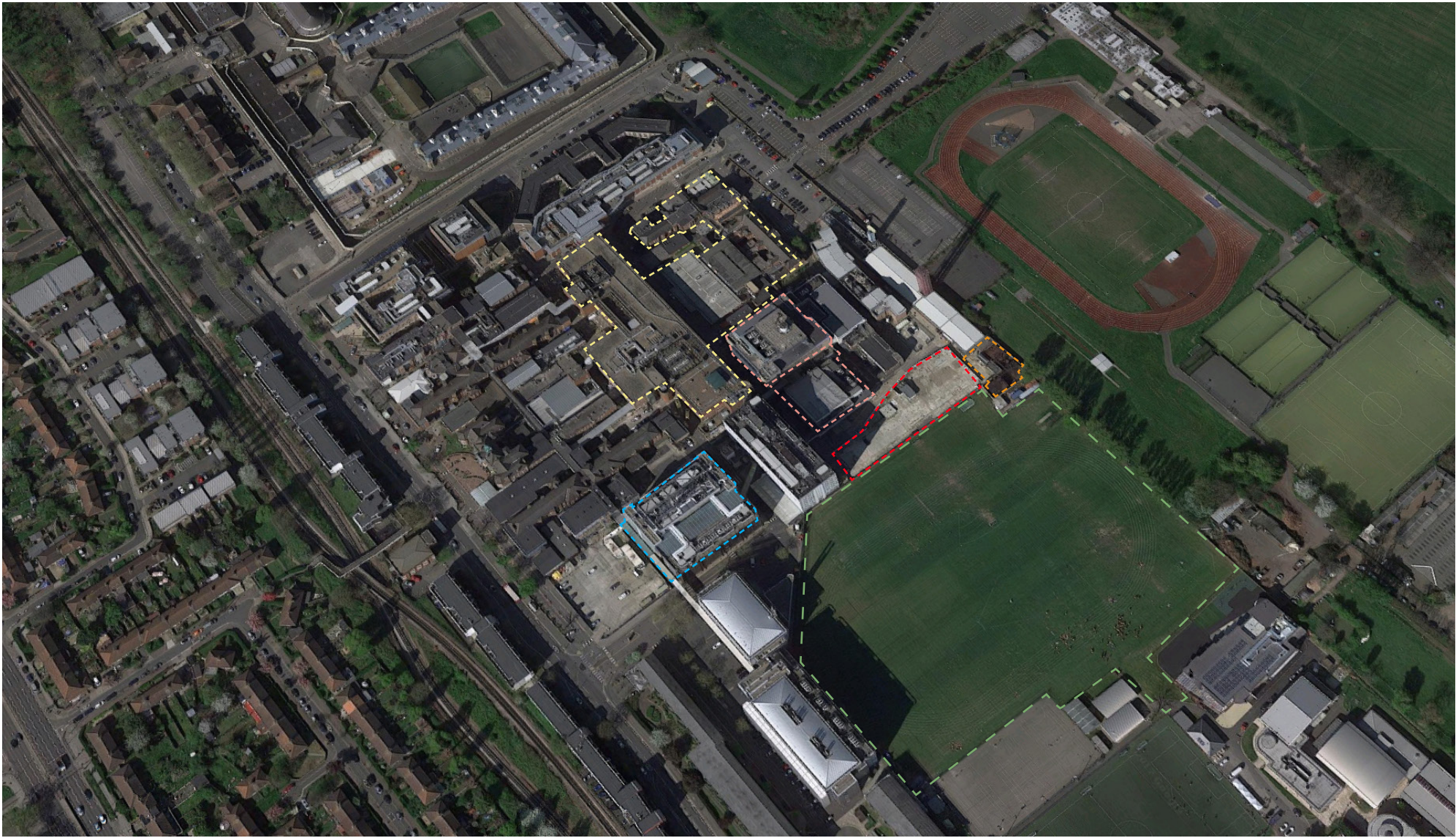
The LMS Across the Hammersmith Campus

Site Context and Adjacencies

The proposed works are located on the site of the demolished Cyclotron building.

Several key adjacencies exist and must be considered throughout the design process. It is also worth noting that a key driver in the proposed works for the LMS is this dispersion of their researchers across the site. Currently the LMS has researchers spread across several of the campus' buildings. By unifying their researchers within a single institute collaborations and innovation can be encouraged through the architecture and adjacencies of the occupants.

- The LMS Building Site (empty site of the previous Cyclotron Building - demolished in 2014)
- The Ark Burlington Danes Academy School playing fields.
- Fuel and bottle storage for the hospital and research campus buildings. This is and will remain in operation throughout the pre-construction and construction phases of the project
- The Wolfson Education Centre and Commonwealth Building. In-use research building and student centre
- Imperial College for Translational and Experimental Medicine (ICTEM). In-use research facility for Imperial and the LMS.
- Hammersmith Campus Hospital. Imperial College NHS Healthcare Trust operational hospital including cancer ward and regional heart-attack centre.



- The LMS Building
- Ark Burlington Danes School
- Fuel Storage
- CWB & Wolfson Education Centre
- ICTEM
- Hammersmith Hospital