

## MRC London Institute of Medical Sciences (LMS)



### CONSTRUCTION UPDATE

In this period, Getjar have completed the excavation of the pile mat and the pile cropping works for the Ground Floor slab. A large quantity of pile mat material has been recycled on site to form the remaining part of the haul road at the northern end of the site. The remainder was recycled off site and used for other projects.

The waterproofing membrane has been installed underneath half of the Ground Floor slab. This waterproofing consists of a bentonite clay sheet waterproofing composite, encapsulated between a non-woven and woven geotextile membrane and a layer of waterproof concrete within the slab make up. The concrete is waterproofed using a crystalline waterproofing additive that seals the concrete against the penetration of liquids from any direction.



A low level concrete pour to the Scissor Lift Pit

Preparations for the first large concrete pour are complete. Two smaller pours have been carried out to date with a quantity of just under 100 cubic meters of concrete poured. On Monday 3 August 2020 we plan on pouring just over 300 cubic meters. This will be carried using concrete lorries, pouring concrete directly into a concrete pump.

In the build up to a concrete pour we carry out several methods of quality assurance checks. Drainage is air pressure tested, the waterproofing is signed off by an independent assessor, reinforcement is checked off against the design drawings and specifications and items such as columns and walls are checked for setting out dimensions.

### UPCOMING WORKS

We are completing the last of the high voltage cable diversion works along Wolfson Road this coming weekend, on Saturday 1 August 2020. This has been made possible by the location of two large 11kVA generators on behalf of the Trust in the haul road area at the rear of site. On Saturday, two jointing pits in Wolfson Road will be opened up and specialist cable jointers will disconnect a section of the existing cable and joint the ends onto a new cable, already laid under the road, which will not be affected by our underground services installation works.

We will also be continuing works to form the Ground Floor slab which is currently planned to be primarily formed in six large concrete pours.



## SUPPLY CHAIN IN THE SPOTLIGHT

Curtins are an award winning, leading consultancy working within the built environment with a rich heritage that spans 60 years. Their vision is to be recognised as the leader in their field and the employer of choice. They are a people focussed organisation, and are proud of their awards and recognition in this area.



Their mission is therefore to deliver success for their clients and their staff, and to ensure the long term stability of the business for their current and future employees.

### **The importance of embodied carbon data analysis:**

Curtins have signed the Structural Engineer's Declaration on climate and biodiversity emergency, and this has supported their framework for action. Through measuring the amount of carbon in their designs, they are looking to raise awareness of their impact and to offer low carbon solutions that can be considered; appraising their impact against other key drivers.

As part of this initiative, they offer CPD workshops to raise awareness of the climate emergency, the importance of embodied carbon for sustainability and to introduce their seven steps for managing the issue.

## CONTACT US

Please contact the site team should you have any questions regarding the works.

**Stuart Yates - Project Director**  
M: 07584 408513

**Alex Clark - Project Manager**  
M: 07909 521786

**Project email**  
MRCLMS@walterlilly.co.uk

[www.lbhf.gov.uk/planning](http://www.lbhf.gov.uk/planning). Reference number 2018/03667/FUL

Knollys House, 17 Addiscombe Road, Croydon CR0 6SR  
020 8730 6200 | [www.walterlilly.co.uk](http://www.walterlilly.co.uk)

