

Life and Mind Building June Update

21st June 2022

Wates



UNIVERSITY
OF
OXFORD

Dear Residents and Neighbours,

What's been happening on Life and Mind Building Oxford, I hear you ask – well let me tell you...

The project has covered just over 6 months into the main contract works in which several short-term objectives having been completed during month of May, all with the intention of keeping the main project momentum on track.

Some of the upcoming 2022 Project Milestones:

Structural Steel Works
above the existing CTL
building commencing

16th July 2022

The New Off-Site
Manufactured Plant room
delivered and installed

Summer 2022

Completion of the entire
Ground floor slab & scoop
area.

28th Oct 2022

Commence the structural
steel frame of the New
Office Block.

21st December 2022

The Project is now registered as an **Ultra Site** under the Considerate Constructors Scheme.



Considerate Constructors Scheme

A not-for-profit, independent organisation founded in 1997 to raise standards in the construction industry

MEP Project Director Marco Lorenzana commented:

“The team have spent the last few months developing the design, coordinating the building services and procuring all of the equipment. We are now very pleased to confirm that our off-site manufacturing activities such as the Pre-fabricated CTL fan room & Risers have commenced.”

Short Term

During May we completed the Bulk dig for the Basement excavation, some +2700 wagons ! The huge 1.25m thick Raft Slab is taking shape and we have started to form the ground floor slab. We have completed the new Substation structure that will be used to power the LaMB estate. To the south of the site we completed replacing the new roof to the CTL building.

The focus for the next month will be on progressing the concrete frame above ground and starting the very important structural steel works above the existing CTL building. Elsewhere around the project we will look to use the term period to conclude utility works around the perimeter of the site compound.



The short-term project successes we have had include:

SUCCESS

- Bulk Dig
- Basement Slab
- Ground Floor Slab
- Substation complete
- CTL Building enabling works

WHY DOES THIS MATTER

Over 2700 wagons were needed to remove all the existing bulk spoil that forms the basement

- Overall there will be 24 concrete pours to form the basement slab, some of which will require up to 230m³ of concrete (34 concrete wagons). We are up to our 10th pour.
- Commenced Ground floor decking to the South of the Site as of Early June.
- Will house the transformers that will power the LaMB estate.
- To enable the Structural steel works that sit above the existing & live teaching building.

Operative of the Month



Steve Waller – “ Steve is the Site Logistics Manager for Wates Construction at LaMB. He has been working extremely hard collating information and providing evidence for our 1st CCS self-assessment and site visit on the 1st of July 2022. Ensuring excellent safety and quality standards are being achieved on this - Oxford’s first CCS Ultra Site”.

What’s Happening Summer 2022

Construction:

- Continue to form the 5,500m² of ground floor slab.
- Install our first sections of TWIN WALL Core construction, as detailed in the previous newsletter.
- Preparation Works for the Structural Steel installation above the live & existing CTL building set for the Summer of 2022; including roof alterations, Services alterations, new concrete plinths & rainwater diversions.
- Commence installing of the structural Steel that sits above a live teaching building. This challenge means that in order to comply with safety and noise regulations we must utilise weekends to install all that steel.

Modern Methods of Construction: This edition we are looking at Pre-fabrication.

Prefabrication is the creation of a building's components offsite, generally in a factory, and then installing direct into the building onsite. This is a far quicker process than more traditional methods as well as other benefits of being safer, cost effective & environmentally friendly.

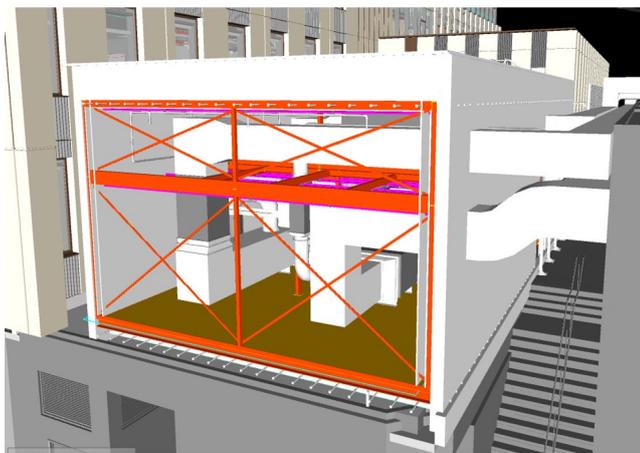


Fig 1.1 Future LaMB Plant Room.



Fig 1.2 Plant Room elements in Production.