

# Life and Mind Building

## April Update

20 April 2022

Wates 



Happy Easter All,

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

The start of 2022 has seen the project remaining very busy with several short-term objectives having been completed during February and March, 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

2nd 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.

21<sup>st</sup> 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

Project Director Allan Brockwell commented

*"The project is entering a new and exciting phase, with both cranes now fully erected and the concrete structure commenced, we will now see the new structure grow from the ashes of the old Tinbergen Building in the following months".*



# Short Term

During April we have continued with the Bulk dig for the Basement excavation and commencement of the Concrete Pours for the 1.25m thick Basement Slab in the South West Corner of the Project.

**One of the big successes in March and April has been the installation of both Tower Cranes.**



The short-term project successes we have had include:

## SUCCESS

- Tower Crane's install

- Gantry Install

- Main Welfare Completed

- Bulk Excavation

## WHY DOES THIS MATTER

- For speed and efficiency cranes are a necessary part of the horizontal and vertical distribution on site. Particularly on a large project constrained by busy roads and restricted access.

- To reduce the number of vehicles reversing on the main roads and interaction with cyclists and pedestrians, the Gantry is key part of the logistics and traffic management plan.

- Main welfare facility is almost complete, offices, changing rooms, hot canteen, prayer room, first aid, car parking, and outdoor seating area. Which will facilitate the +350 personnel expected at the height of construction.

- Key element of the substructure programme is bulk excavation and removal of ground obstructions from the former Tinbergen Building. Around 35 lorries a day of excavated materials is removed from site daily.

Operative of the Month:



**Andrew Bull** – *“For attention to detail and commitment to the project”*

# What's Happening May and June

**Community Events:** Wates Cycle Awareness Day - in conjunction with the University of Oxford, Wates and their supply chain partners will be facilitating an interactive awareness day in the heart of Oxford, to demonstrate and raise awareness around the hazards facing both HGV drivers & road cyclists. The session will give the public the opportunity to experience what its like from the HGV drivers' point of view. The aim; to help to build a culture of mutual understanding and risk reduction on our streets. So, keep your eyes peeled for further information on event times & dates.



## Construction:

- Complete the Bulk dig of the new basement footprint. An estimated 2700!!! lorries of muck, concrete & Waste; all of which, to be sent away for assessment and re-use on other construction projects.
- Commence Vertical construction from the basement to ground floor; columns, walls & concrete Cores. This will enable the construction team start with the 5,500m2 of ground floor slab.
- 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.

**Modern Methods of Construction:** This edition we are looking at Twin Wall construction.

Twin wall construction is a walling system used for the concrete cores that combines the speed of erection and quality of precast concrete with the structural integrity of in-situ concrete to provide a hybrid solution. The prefabricated panels comprise of two slabs separated and connected by cast-in lattice girders. The units are placed, temporarily propped, then joined by reinforcing and concreting the cavity on site. The panels are manufactured to exacting tolerances, have a high-quality finish, and can incorporate cast-in cable ducts, electrical boxes, and service ports. Installation rates are of up to 100m2 per hour. Twinwall has excellent inherent fire resistance and acoustic performance.

