

The 3Ts Redevelopment's Review of the Year 2017

January and February 2017



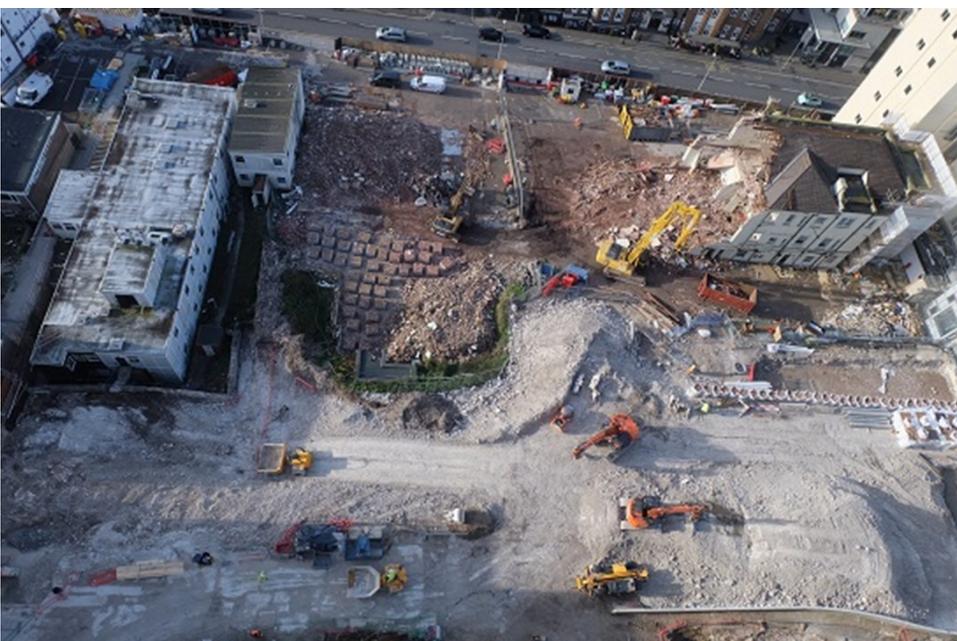
Stage 1

Looking at it now, it seems difficult to credit that in January and February 2017 there were still buildings on the Stage 1 site. The Jubilee and Latilla Building had only been handed over to Laing O'Rourke in November and December 2016 respectively. Staff and patients were still getting used to the surroundings of the new Hanbury and Jubilee Buildings. The last of the materials from the deconstruction of the Stephen Ralli Building and the Estates Building were being removed from site. From Eastern Road the site did not look that different from normal.

Helideck

Works on the roof of the Thomas Kemp Tower were focused on the diversion of services, such as air conditioning to make room for the helideck supports and the crane was yet to be lifted onto the roof.

March 2017



Stage 1

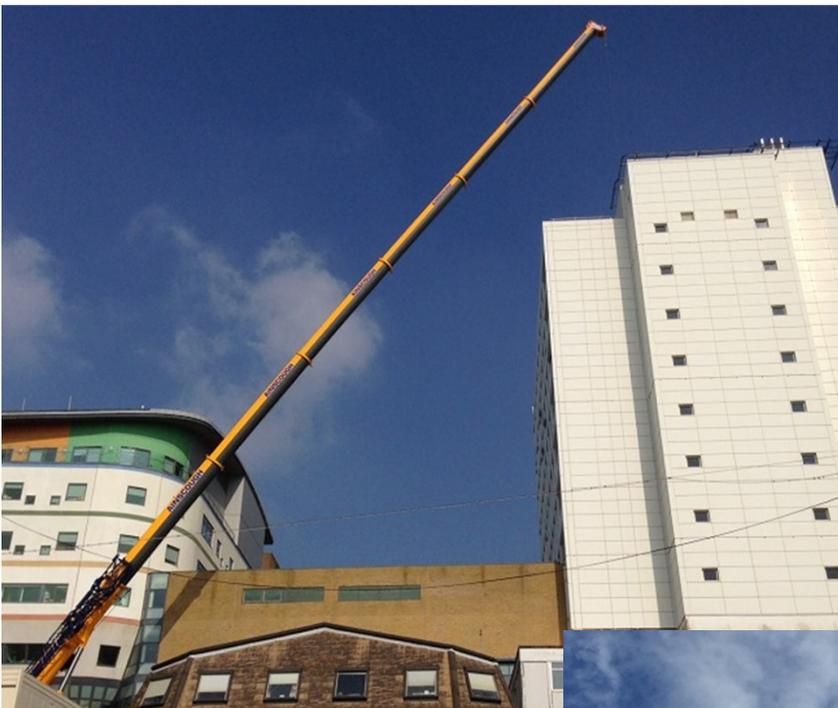
Work to take down the Latilla Building was completed. Most of the bricks were salvaged and sold on for use on other projects. The deconstruction of the Jubilee Building started. The lower levels of the piling mat, that the piling rig required to work, were started in the north west corner of the site.

March 2017 continued



Stage 1 Decant

The Radiopharmacy Service were the last team to move off the Stage 1 Building site, from their old home in the Nuclear Medicine Building to the Hanbury Building. Handover of the Stage 1 site to Laing O'Rourke was completed following this move.



Helideck

Service diversions and other preparations continued on the roof of the Thomas Kemp Tower, including early works to prepare the connections between the building's framework and the helideck.

A 500 tonne mobile crane came to site to lift a tower crane onto the Thomas Kemp Tower. The tower crane was set up relatively early in the helideck construction process as large amounts of scaffold were required in preparing for the build.

At the very end of the month the helideck project received a £500,000 boost from the County Air Ambulance Trust. This was the first of two donations from the charity that will give £1,000,000 in total towards meeting the cost of the facility.

Work started on the scaffold support framework to enable the building of the helideck.





Stage 1

The demolition of the Latilla and the Jubilee Buildings was completed with much of the materials, especially the bricks, being salvaged for reuse on other projects. During the deconstruction of the Latilla Building the old winding gears for the building's original lift were found in the roof space.

The build-up of the piling mats expanded across the north of the Stage 1 site. Tonne bags, filled on site, were used to make retaining walls for the piling mats at the back of the site. These level, compressed "mats" were necessary due to the weight and operating requirements of the piling rig. On less constrained sites the edges of the piling mats simply slope down to ground level. This was not possible on the redevelopment site and so the innovative, tonne bag retaining wall system was adopted.



Helideck

Works on the roof of the Thomas Kemp Tower were focused on the diversion of services, such as air conditioning to make room for the helideck supports. The scaffold support framework for the helideck continued to expand. It enables the building of the deck and will be removed once it is complete.

May 2017



Stage 1

Deconstruction of the Nuclear Medicine Building and the Latilla Annex was completed. The first piling work took place on the north-west of the stage 1 site. The piles in this area and along the northern boundary of the site were all 33 metres deep. The piling rig bored the hole for each pile to the required depth and then the accompanying crane lifted the pile's reinforcing steel bars into place. Concrete was then pumped into the hole at pressure to form the pile. This "screw" pile technique was much quieter than the other "hammer" pile option.



Helideck

The tops of the Thomas Kemp Tower's support columns were exposed so that the weight bearing brackets for the helidecks supporting steel framework could be attached. Other changes to the level 15 and 16 roofs continued in preparation for the helideck's support steel work.

June 2017

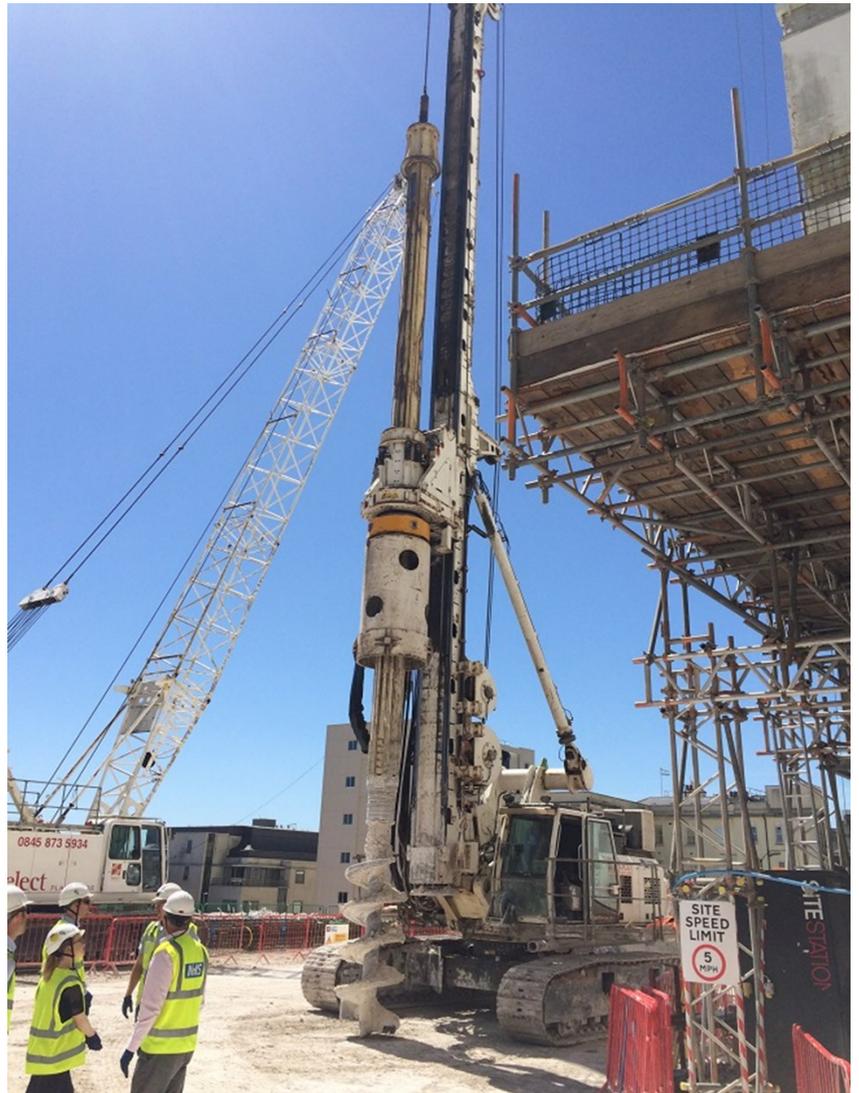


Stage 1

Piling continued apace on the northern retaining wall of the site. By mid-June the piling works had progressed along the edge of the South Service Road to the north-east of the site. Concrete deliveries for the piles became a more regular feature of the daily life. Minor excavation works were also starting on site, although most of the earth moving at this point was connected with making or moving of piling mats to allow the piling rig to operate.

Helideck

More scaffold was added to the construction framework for the helideck and the further brackets were added to the building's framework to support and spread the load of the helideck.



July 2017



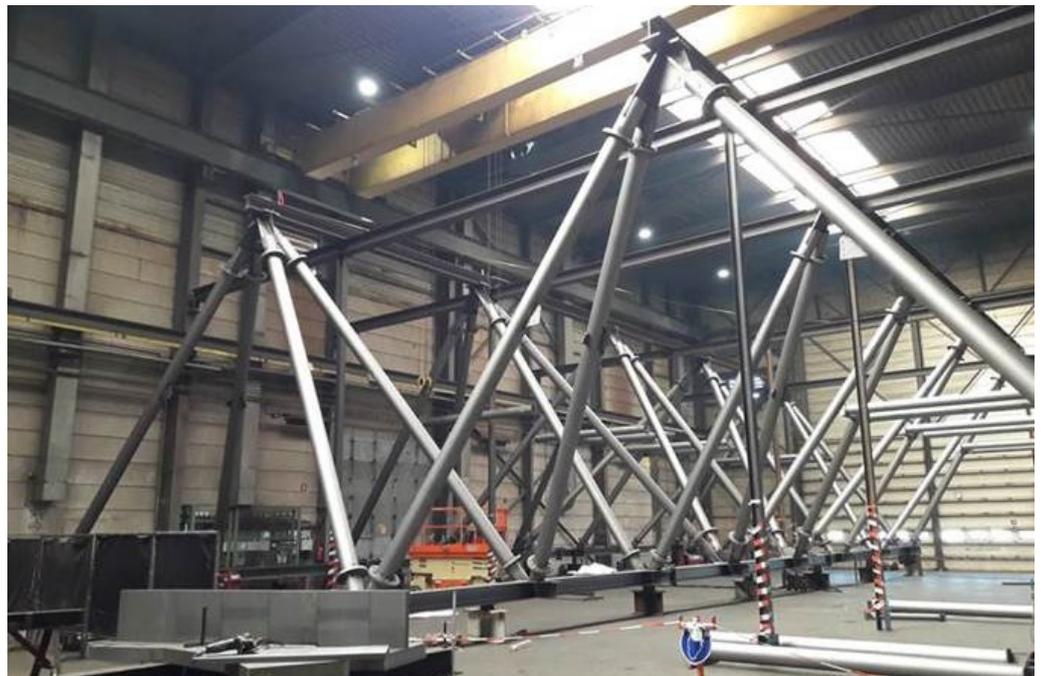
Stage 1

All the piles along the north of the site had been installed and the capping beams that tie the tops of the them together were being cast. This allowed excavation to begin on the north-west of the site (bottom right of the picture). Piles were being installed in the south-west, next to the Hanbury Building.

Helideck

The framework of the actual helideck was under construction in a factory in the Netherlands. The framework uses both steel for strength and aluminium for lightness.

Preparation works on the roof were coming to a point where the support steel framework could be installed.

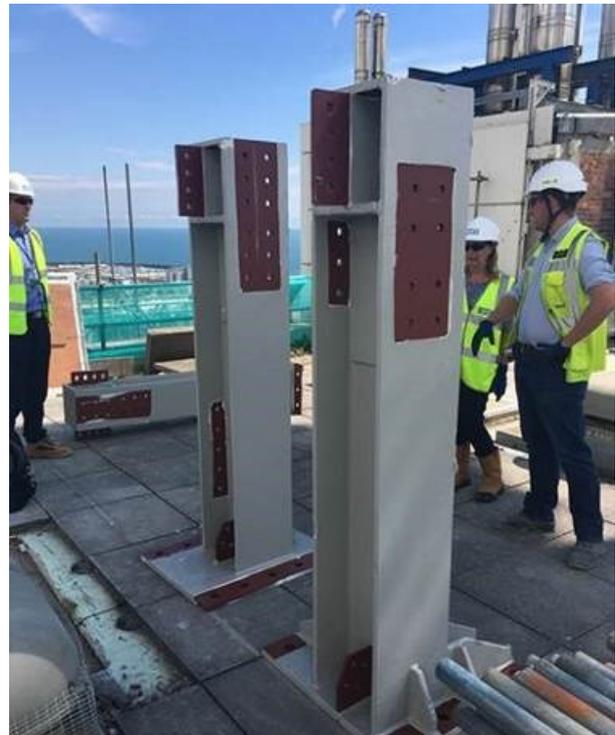
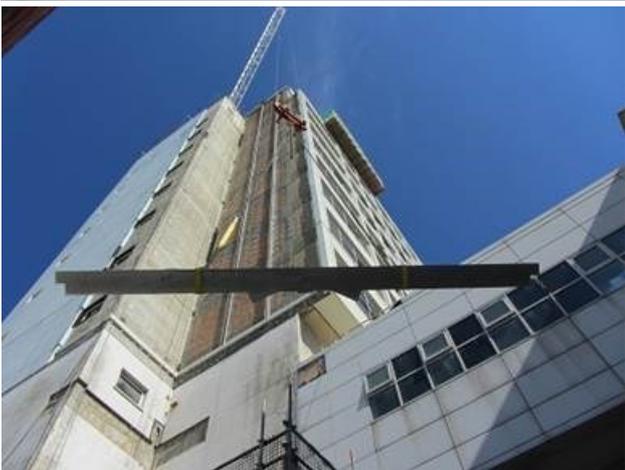


August 2017



Stage 1

Piling moved over to the east side of the site. Excavation continued along the north and west piling walls, now clearly visible from above and from Eastern Road.



Helideck

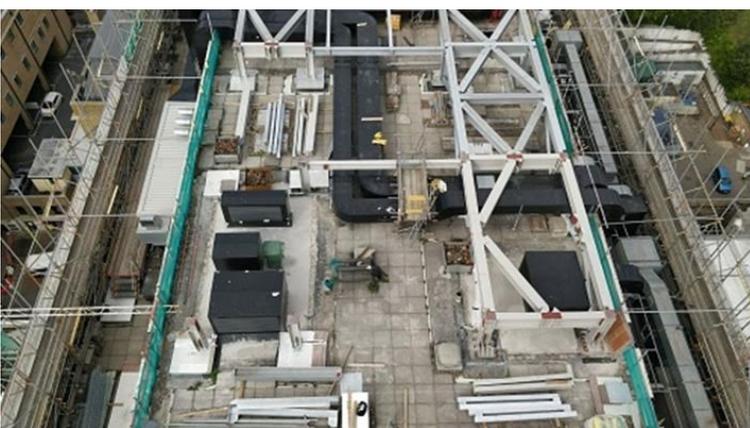
The first support steels for the helideck were lifted into place. These will connect the actual helideck to the framework of the Thomas Kemp Tower.

September 2017



Stage 1

It was all about the hole. Progress with excavation began to give a real feel of the extent to which the site would be lowered to accommodate the underground car parks and plant rooms. The south piling wall was revealed, marking the southern limit of the deep excavations.



Helideck

The support steel framework for the helideck begins to take form. The picture above is taken from the cab of the tower crane. This is the low level steel work that will connect the actual helideck structure to the framework of the Thomas Kemp Tower.





Stage 1

Everyone was commenting on the extent of the excavations by this point. The square in the middle right of the picture is the foundation for the first of the Stage 1 tower cranes. The depth of excavation required the installation of waling beams where the piling walls meet, to give them extra support. The best example can be seen in the bottom right of the picture.

Helideck

Further scaffolding was put in place to make platforms for the cherry pickers that will be used to build the actual helideck framework.



The north-west corner of the Stage 1 site seen from one of the construction access stairways.

November 2017

Stage 1

The first tower crane for the Stage 1 Building was set up on site..

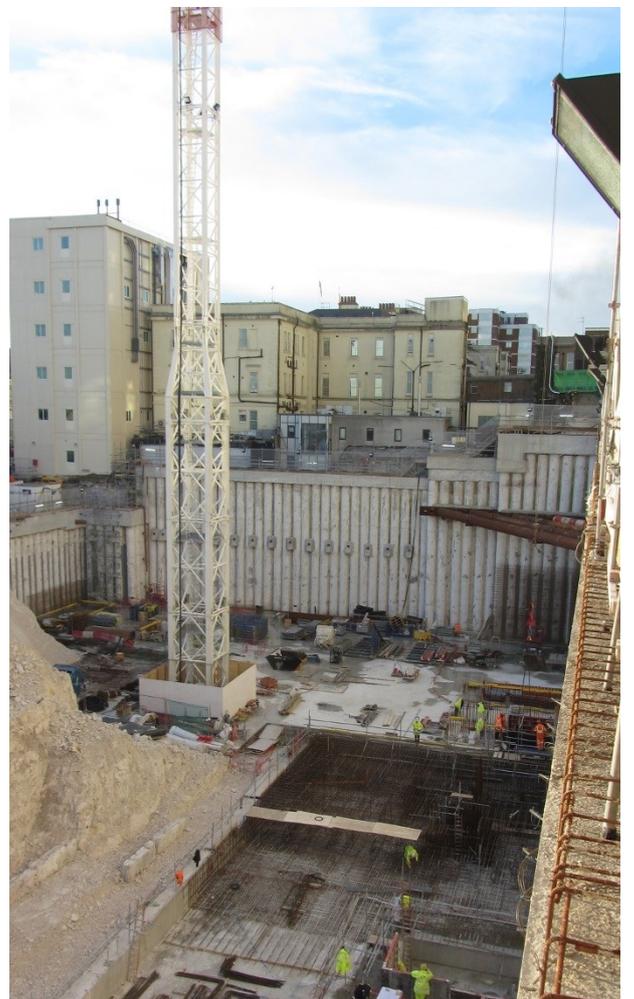
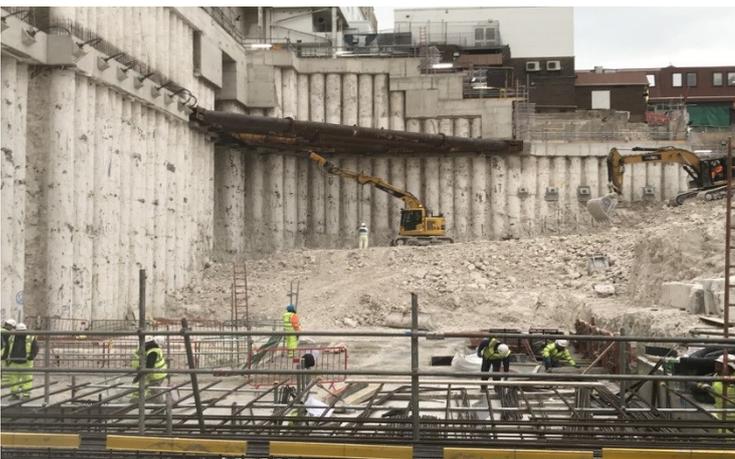


December 2017



Stage 1

The excavation has reached a point where the foundation slab for the building has started to be laid. It is complete on the west of the site and is being extended along the north piling wall. Freshly laid concrete can be seen at the bottom of the picture. Excavation will continue into next year and the site's second tower crane will come to site in January 2018. Towards the middle of the year the framework for the building will start to be installed. By the end of 2018 the framework for the building will be in place. It will seem to go up very quickly.





Helideck

The helideck framework for the north staircase and south ramp are now clearly visible from the ground. In 2018 the rest of the framework will get filled in between these two points. A new dedicated helideck lift will be installed on the south east corner of the Thomas Kemp Tower. One of the other lifts in the tower will be extended up to the roof to act as a back up, in case of lift failure. The helideck will come into operation in the summer of 2018.

