



Toureen Group 

PROJECT PROFILE

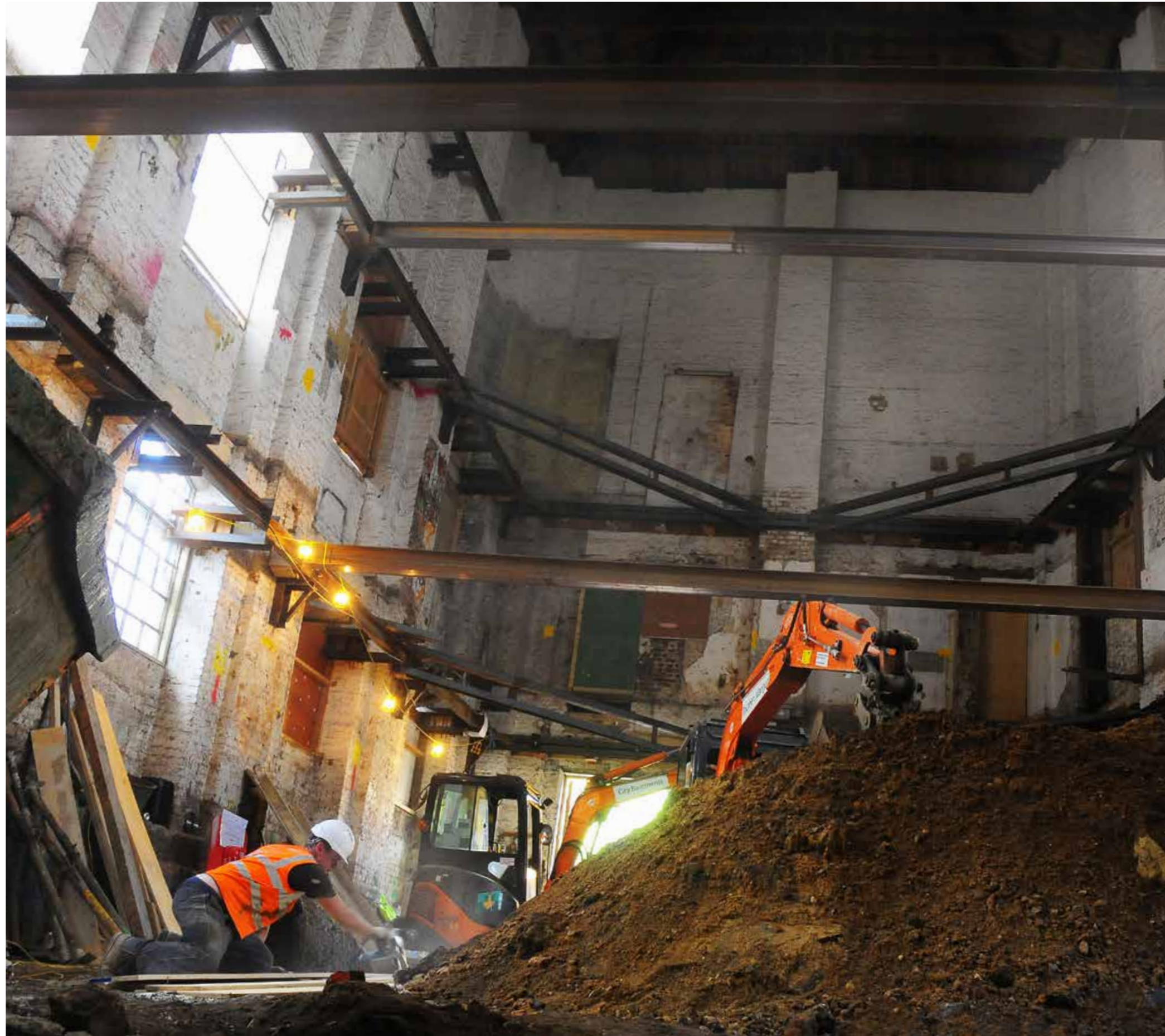
NEWPORT
STREET
GALLERY



NEWPORT STREET GALLERY VAUXHALL, SOUTH LONDON

Toureen Group was appointed to undertake both sub-structure and super-structure works to the Newport Street Art Gallery, stretching along a street in Vauxhall, South London. The project involved the conversion of three listed Victorian structures, with two additional buildings being constructed at either end of the existing three, to create a gallery that spans half the length of the street.

Works commenced with the sub-structure works, consisting of the underpinning and construction of basement slabs, walls and columns and ground level slabs within the three existing structures. One of the two new buildings was constructed by installing 10 metre long sheet piles using a silent piling rig. Sheet piles was the chosen





CLIENT

WALTER LILLY



DATE OF COMPLETION

FEB 2014



CONTRACT VALUE

£1.9 MILLION

piling method as they can provide very quick, economic and convenient construction methods compared to contiguous and secant walls, as well as the method of silent piling to minimise the impact and disturbance to the surrounding environment. The silent piling method was particularly important to reduce noise and vibration levels on site while works took place in a busy South London location.

The second building involved constructing temporary concrete walls between 9 metre long Kingposts. King post walls were used because they allow the removal of the old walls and construction of the basement walls simultaneously, whilst maintaining the integrity of the adjoining structures and roads. Both buildings involved 7 metres of deep excavations and the construction of lift pits and sumps below water level.

The three existing buildings required a substantial amount of temporary works to be installed, both to the inside and outside of each building, before 3 metre deep underpins were cast in two stages to their perimeters. Once the entire perimeter of underpins was cast, excavations could begin whilst working around existing propping. Propping could only be removed once 600mm deep basement raft slabs were cast.

As the buildings are to be used as an art gallery, there were a large amount of services and levels

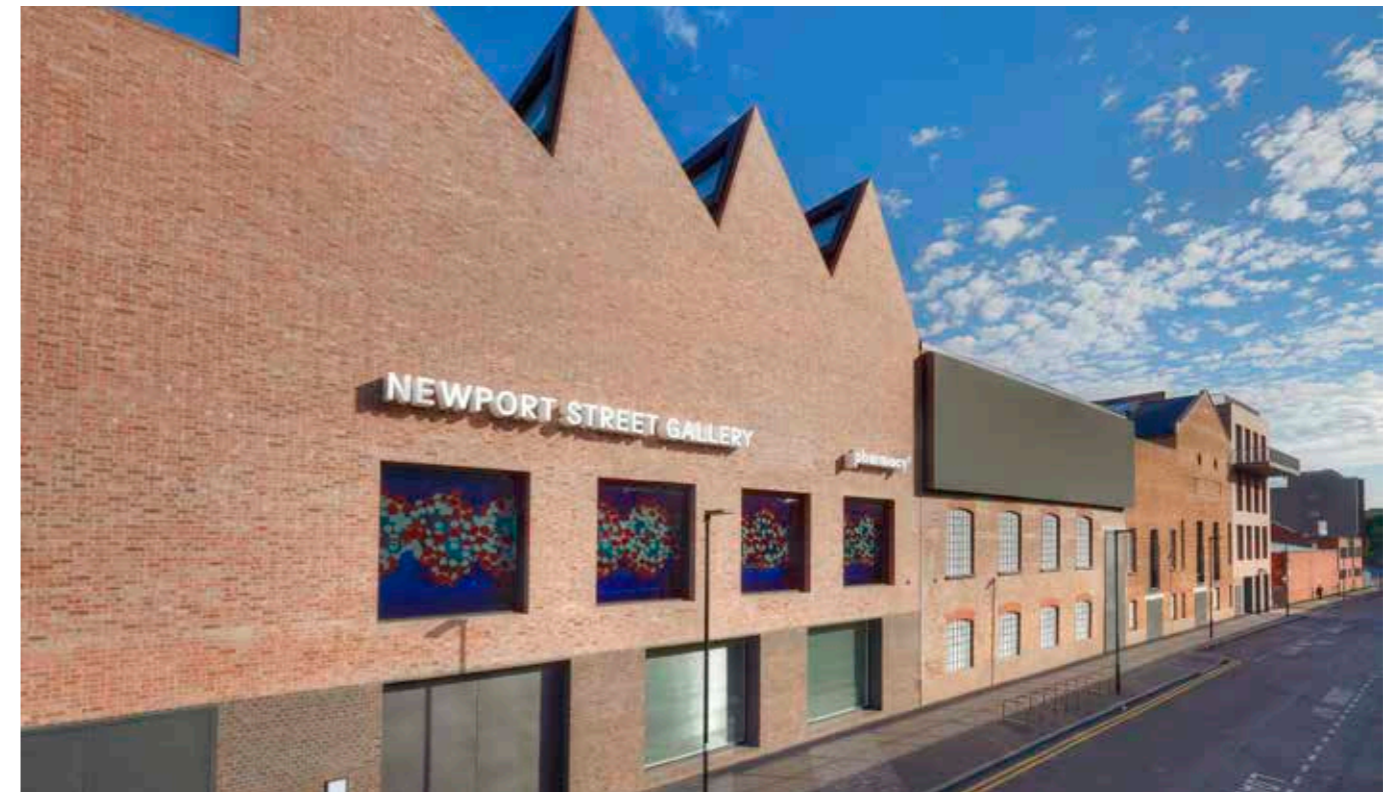




to take into consideration. On one pour alone there were eight different levels. The largest pour was 200m³.

Super-structure works then took place which involved the construction of ten high level interior concrete slabs cast on metal decking. These concrete slabs were supported by steel columns. The remainder of the works involved constructing an architectural feature wall, with balconies, extending three floors in height using air-entrained concrete and a specialised ply for formwork.

The Newport Street Gallery opened its doors to the public, after three years of planning and construction, in October 2015, occupying the string of former industrial and purpose-built buildings. Measuring a total of 37,000ft² (3,437m²) the gallery is situated close to the River Thames and was designed as a free public gallery to house artist Damien Hirst's private art collection. The project is the realisation of Hirst's long-term ambition to share his diverse collection with a wider audience. In 2016, the Newport Street Art Gallery won the prestigious and highly coveted RIBA Stirling Prize for Architecture for the UK's best new building.



Toureen Group

Solving complex challenges since 1992



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