



Student Accommodation. Pro Cathedral

The new student accommodation is based in an old abandoned cathedral in the heart of Bristol.

The church was abandoned due to a landslip caused by the new construction of a multi-storey car park and tower block nearby.

The new foundations had to be designed with consideration to the carboniferous series of soils. The upper crumple sandstone is susceptible to weather damage and thus has highly inaccurate soil strengths.

A contiguous bored pile wall had to be designed to be able to control the movement in the ground and prevent the unstable rock wedge from moving.

Inside the cathedral, restricted access and historic sensitivity had to be taken into when operating inside, so small ductile machine (Jones rig) was used to install piles whilst preserving the historic features of the building.