

Case study

New Extra Care Home, Wilberforce House

Designed for people with visual impairments, Wilberforce House offers 30 one-bed, open-plan apartments along with a living & learning zone, a courtyard cafe and offices for the Trust; whose new HQ is located within this beautiful new development.

A complex, split-level design proposed by the Architect on a sloping and geotechnically poor site, required innovate engineering to ensure the project met stakeholder aspirations in respect of constructability and budget.

Foundations were designed using a vibro-piled solution to avoid the expense associated with traditional piled foundations, and the aspirations for an interesting and complex façade required a hybrid load-bearing masonry and steel-framed structural solution to be adopted throughout. Furthermore, we utilised our in-house expertise and the latest engineering software to detail all civil and structural aspects, allowing detailed coordination with other disciplines and ensuring complex interfaces were managed effectively.

In addition, we undertook the site wide hard landscaping and level design, including highway and drainage elements.



Location:
York



Client:
William Birch



Architect:
West & Macell



Value:
£8m



Civil Engineering Structural Engineering

Engineer /
Manage /
Deliver /