

Case study

Retirement Village

This development will deliver a brand-new care village offering 150 care beds and suites across secure and semi-secure units.

It involves the demolition and redevelopment of Meadbank Care home into a new care village, (use class C2) providing beds, with associated communal, wellness and ancillary facilities, enhanced landscaped gardens and car parking.

AWP is responsible for providing a wide variety of services, including Civil, Structural, Geo-environmental and Party-Wall advice.

The proposed structure is to be a multi-storey reinforced concrete frame comprised of suspended floor slabs, supported on columns. Lateral stability is to be provided by concrete shear walls and stiff lift and stair cores. It is assumed that each floor slab will transfer lateral loading back to the shear walls and stiff cores, acting as a rigid diaphragm. The basement is to be formed with continuous/secant piled retaining wall, with a concrete liner wall to the inside face.

The scheme is designed with highly sustainable, low carbon materials and energy efficient systems and solar panels. It will be built using off-site prefabrication to reduce waste and disruption.

The building will feature construction methods and layouts required for multifunctional spaces that evolve to meet future regulatory and healthcare demands. Care suites can be converted into larger units if needed and the structure has been designed with potential future uses such as retirement residences or hotel style accommodation.



Location:
Battersea, London



Client:
Richmond Villages
(part of BUPA)



Architect:
Pozzoni



Value:
£50m



Civil
Engineering

Structural
Engineering

Building
Consultancy

Geotechnical and
Geoenvironmental
Engineering

Modern Methods
of Construction
(MMC)

Engineer /
Manage /
Deliver /