

Residential Development - Heckmondyke



Project:

Affordable Homes Development

Location:

Heckmondyke, West Yorkshire

Client:

Bramall Construction

Consulting Engineer:

Alan Wood & Partners

Architect:

A A Design

Project Value:

£3.3 million

Description:

Alan Wood & Partners were commissioned by Bramall Construction Ltd to provide the engineering design for 36 No. mixed affordable family homes, in accordance with the code for sustainable homes. The services provided to the client consisted of the development of concepts throughout the planning process and the detailed design of the scheme once these had been fixed. This included highways and drainage design, external levels, foundation design, structural reviews, flood risk assessments and SUR, 1 report.

One of the main challenges of the project was its location on a steeply sloping site, this necessitated a cut and fill exercise to provide

acceptable highway access to the development, and a working platform for the house construction.

The sloping nature of the site linked with the proposal for terraces of properties, led to a complicated design incorporating stepped floor levels to the terrace blocks, retaining walls between plots and complicated external works / levels to comply with the code for sustainable homes.

The nature of the services provided demonstrates that structural, civil and environmental design (sustainability) forms an important part of modern residential developments.