

Case study 15:

Residential development — Chapel Street, Donisthorpe for Living by D'zign



Overview

This residential development at Forest Point within the National Forrest was the winner of the prestigious Local Authority Building Control award for 'best small housing site' in the East Midlands.

GRM's environmental, foundation design, structural and infrastructure teams were involved in the project. The environmental team carried out a gas risk assessment and specified the gas precautions that were required. The foundation design team used an existing ground investigation report to design cost effective foundations.

GRM's structural team produced concept calculations, 3D steel drawings and full structural design with detailing to help the integration of the structure into the architectural concept.

GRM's infrastructure team designed a sustainable urban drainage system (SUD's) compliant surface water drainage system for the disposal of water from roof and parking areas. They were also responsible for designing the foul water drainage and for gaining regulatory approval for both drainage systems from Severn Trent Water. The team also worked on the Section 278 Agreement which included the realignment of the existing road and the provision of traffic calming measures.

Each element of the multi disciplinary sections of GRM worked together to provide a fast, cost effective integrated solution preventing costly delays, misunderstandings between consultants, additional fees or over design.

KEY FACTS

- ▶ Winner of the Local Authority Building Control award 'best small housing site'
- ▶ GRM's integrated approach saved the client time and money

