



3 Executive Homes, Belsay

M Design were appointed as engineers on this exclusive development in the village of Belsay in Northumberland.

The scheme involved the construction of three large executive stone / slate homes.

M Design's responsibilities were to carry out the infrastructure design including the foundation design, highway design and also the design of the foul and surface water drainage systems. **M Design** also undertook the topographical surveying prior to the design work.

The drainage design in particular was of interest due to the lack of suitable options. In end result was the installation of a foul water treatment plant installed to the edge of the site. The hydraulic design and the

necessary power supplies were all handled in the office.

Due to the close proximity of trees on the site, the house foundation designs were critical and were carried out in great detail. NHBC Chapter 4.2 gives guidance on foundation depths in relation to soil types and tree species. To ensure the designs were as cost effective as possible, **M Design** designed steps in the foundations at every location it was possible, to make sure we saved every cube of concrete and every penny!!

M Design pride themselves on the very detailed designs they produce so if this kind of value engineering is of use to you or your business, contact them today to discuss your requirements.

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