

CASE STUDY
Residential Development,
Denaby Court, Conisbrough



Greenpiling

PROJECT OVERVIEW:

Client: Quick Silver Homes

Sub-contracted to: Fulford Builders

Engineer Dossor Group

Sector: Residential

Value: £88k

Description of Works: Installation of piles and ground beams to form part of the foundations of 4 No. Apartment Blocks

TECHNICAL DETAILS:

Type of Piling System: Steel Tubular

Soil Conditions: Made Ground/Weathered Middle Coal Measures/Unweathered Middle Coal Measures

Max Load kN: Up to 650kN

Length of piles: Up to 28m

Type of testing: Dynamic

No of piles installed: 134 No.

Diameter of piles: 140, 177 and 244mm.

Green Piling undertook the design, supply and installation of steel tubular piles and concrete ground beams at Denaby Court, Conisbrough.

Piled foundations were chosen due to concerns over groundwater entry and the stability of foundation excavations.

Piles were cut down using burning gear and where necessary a cutting wheel. The steel works for the beams were constructed on site. Pile testing was also part of the package.

The foundations were installed over 2 visits. In total 391 lin.m. of 450 x 550mm reinforced concrete cast in situ ground beams were installed.

