

# G-sPan Precast Foundation Beam System



## Client

Wordsworth Properties

## Sector

Low-Rise Residential

## Services

Precast Piling & G-sPan Foundations

## Location

Balby, Doncaster

August 2024



Contact: kris.hand@greenpiling.co.uk

t: 0845 0511 800 m: 07709 840951

Wordsworth Properties entrusted Green Piling to design and install the foundations for their brand-new development at Cross Bank, Balby, to deliver 59No. 2, 3, or 4 bedroom properties.

Our G-sPan modular foundation system offers an efficient and economic solution for sites with poor loadbearing strata, with benefits for programme durations and in terms of carbon savings when compared to traditional foundations in the same ground.

G-sPan is engineered to each units' footprint and finished floor level, ensuring a finished product that is immediately available for the structure to be built upon.

The Cross Bank site has made ground overlying Chester Formation sandstone so Green Piling proposed our pre-stressed precast concrete driven pile as the most economic solution from our suite of piling capabilities.

With 358No precast piles driven to an average depth of 6m supporting over 1700m of G-sPan foundation beam, value engineering is at the heart of every project we undertake and our range of restricted access, CFA, driven precast, and driven steel tubular piles ensures we can deliver the most affordable solution for our clients.

***"The build solution offered by Green Piling suited the projects specific requirements perfectly. The driven pile and pre-cast ring beam system allowed the imported material, used to cap off the made ground below, to remain in place. This method simplified and de-risked the Earthworks Strategy and Material Management Plan considerably. It also resulted a cost saving, and a significant time reduction compared to strip footings.***

***Green Piling delivered an excellent service from the first meeting, and we will explore the use of their G-sPan system on all our future projects."***

**Jonathan Bailey, Managing Director Wordsworth Properties**