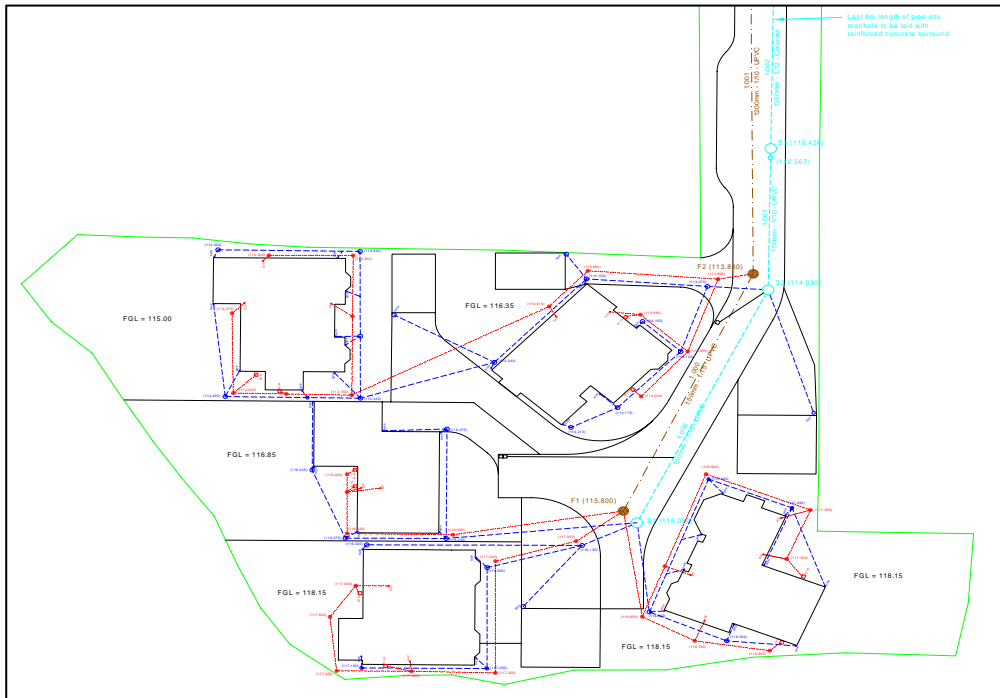


Residential Development at The Garth, Rotherham

Project Description Sheet



Location

Rotherham, Yorkshire

Client

GTG (NW) Ltd

Commenced

July 2006

Key Project Elements

Highway Design

Sewers for Adoption

Attenuation Design

Site Level Design

PSA Design were commissioned by GTG (NW) Ltd to undertake the highways and drainage design works for a proposed housing development in Rotherham, Yorkshire.

The Client requested that both the surface and foul water sewers be designed to adoptable standards with the intention of securing a Section 104 agreement with Yorkshire Water.

Highways were designed utilising the Key-TERRA-FIRMA 3D computer modelling package. Output including layouts, long sections, detailed setting out information and construction details were prepared to adoptable standards and issued to Rotherham Borough Council for approval.

Foul and Surface water sewers were designed using WinDes Micro-Drainage package. Yorkshire Water requested that the outflow from the site be restricted to only 8l/s to prevent overloading the current stressed drainage network. An online storage facility was designed to accommodate the storage requirements under storm conditions. Detailed drawings and details were submitted to Yorkshire Water and were subsequently approved for adoption.

PSA were responsible for setting all finished floor and landscaping levels which involved the utilisation of retaining walls throughout the site.