

# Ploughmans Court, Grimsargh Highways & Drainage Design Structural Details

## Project Description Sheet



**Location**  
Grimsargh

**Client**  
A Riding Builders Ltd

**Completed**  
Ongoing

**Key Project Elements**

Highway Design to  
Section 38 agreement

Drainage Design to  
Section 104 agreement

Structural design for  
housing

PSA Design were commissioned by A Riding Builders Ltd to design the highways and drainage for a small development of 20 houses in Grimsargh, Preston.

The design of the highways was to meet adoptable standards for a Section 38 agreement with Preston City Council.

Drainage design was undertaken to adoptable standards for a Section 104 agreement with United Utilities. The drainage design was particularly onerous due to the shallow nature of the existing drainage systems in this area. A working design, without the need for pumping, was produced following negotiations with adjacent developers.

We undertook structural design of the foundations and suspended floor slabs to the housing.

The site has a major water main passing through the site and a reinforced concrete protection slab was designed for this where it passed under the new road.