



CASE STUDY: HOUSING
105 THE HIGHWAY





Sustainability Strategy

The main aim of this unique scheme is to create a compatible development of new housing which responds to its village setting and local character of built form providing modern amenities and sustainable, energy efficient design. Living spaces have been located to the south where possible to benefit from passive solar gain and to ensure good levels of natural light within these main spaces.

Specified energy efficient heating and hot water systems and 'A' rated domestic appliances contribute towards reducing the energy needs of the scheme. External drying areas and low energy light fittings support low energy living.

Using a range of materials that are sustainable and locally sourced increases the environmental value and energy efficiency and supports local suppliers.

Sustainability Overview

- Energy efficient heating and hot water systems
- Compliant rated white goods with EU Energy Labelling Scheme
- 75% low energy light fittings
- 10% reduction in CO₂
- External drying areas provided
- Provisions for home office
- Planting to enhance ecological value of the development
- Environmentally conscious and locally sourced building materials

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105 THE HIGHWAY

Name of Development

105 The Highway, Hawarden

Completion Date

Spring 2015

Project Cost

Not Available

Building Type

Local Family Housing

Location

Hawarden, Flintshire

Client

F G Whitley & Sons Co Ltd

Main Contractor

F G Whitley & Sons Co Ltd

Environmental Performance

Code for Sustainable Homes Level 3

Building Overview

The former Police Station site in Hawarden is a very important one as it acts as a 'gateway' to the village when approached from the west. This makes the site an especially important one in its relationship it enjoys with The Highway, Birch Rise and Gladstone Fields. This scheme provides housing for local people including families and couples wishing to live in a convenient location close to amenities, employment and transportation links in Hawarden. It seeks to provide highly sustainable housing in the form of 11 CfSH level 3 homes promoting sustainable living.

The plan has been designed to minimise the impact on surrounding residential areas by working sympathetically with the village's scale as a two storey development, creating an attractive and welcoming focal point on The Highway. Hawarden's vernacular is a mixture of traditional stone and red brick cottages. The design maintains this vernacular by creating a new red brick terraces with elements of white render to break up the scale. Many of the existing terraced houses and cottages fronting onto The Highway and Glynne Way have small front and rear gardens/yards which gives the village its character and appeal. This development seeks to replicate this intimacy and human scale.

One of the main challenges was to reduce the impact of vehicle parking which previously dominated the site. Therefore parking for is located off Birch Rise within curtilage or via a private parking court designed as a gated community. This ensures that parking spaces are overlooked and naturally supervised.

