



Client:

Home Group

Project Value:

£6.8 million

Project Details:

This scheme involved demolishing the former Hopes Auction Mart in Wigton to construct 48 residential dwellings.

Due to historical issues with flooding from overland surface water flows which affected the previous development, existing overland flood flows were diverted on the boundary of the site.

- During discussions with Cumbria County Council, it was decided that these flows should be intercepted by a field drain running through the rear gardens of the dwellings.
- After which they were diverted by a series of underground pipework and utilising an existing outfall to discharge to the nearby watercourse
- In order to further reduce the risk of flooding to the site, the drainage was designed in accordance with the SuDS manual to meet the requirements of Cumbria County Council and United Utilities
- The proposed surface water flows from the development were restricted to greenfield runoff rates and attenuated in a series of buried box culvert structures and above ground SuDS basin before being discharged to the watercourse
- The basin created a large area of public open green space within the site helping to maintain a rural feel to the development.
- Parking bays within the site were also designed as permeable paving to help improve the water quality being discharged to the watercourse.

