



clarkebond

flood risk services

Climate change and extreme flooding in recent years have highlighted the requirement for robust and comprehensive flood risk assessments as part of the planning and development process.

Clarkebond has extensive experience in undertaking Flood Risk Assessments (FRAs) and Flood Consequence Assessments (FCAs) in accordance with national planning policies and flood risk guidance across the UK.

We also undertake Flood Risk Mitigation Surveys to support flood prone properties, and strategic flood studies to support larger regional schemes such as local development plans.

Our practical experience of working with developers, architects, planners, engineers, contractors and project managers, ensures that we deliver workable solutions that address the needs of the client. Our understanding of regulatory requirements and processes enables us to negotiate outcomes acceptable both to the client and regulator.

The scope of Flood Risk or Consequence Assessments required is dictated by the development proposals, the location and size of the development site and the amount of flood data available from local authorities, the Environment Agency and other parties. Our flood risk team can advise you on the scope and size of the services required and can provide a no obligation quote for undertaking the work. Our costs are always transparent and staged payments can be developed for specific elements as each is required.

As a multidisciplinary engineering consultancy, Clarkebond can also provide advice and design solutions for other aspects of site infrastructure such as surface water drainage including Sustainable Drainage Systems (SuDS), attenuation, 3D modelling and utilities.

services

- Project specific and strategic Flood Risk and Flood Consequence Assessments
- Catchment hydrology & water impact studies, micro hydropower schemes and feasibility studies
- Hydraulic modelling including 1D and 2D flood models; flood alleviation schemes studies
- Drainage strategies including SuDS & Environmental Impact Assessments
- Development of flood mitigation options and provision of design and construction support

“Good news from the Lead Local Flood Authority removing their objection to the proposal. Seymour, thanks for all your hard work on this.”
Mark Cullen, Senior Planner, Alder King.

how we add value

- We achieve commercial, workable solutions to reduce flood risk in the vicinity of the site based on a track record of successful project completion and delivery
- We understand the priorities and working practices of a wide range of stakeholders ensuring an efficient, cost effective service delivery
- As part of a multidisciplinary engineering team, we have immediate access to expertise from other engineering disciplines

example projects

- Clarkebond carried out a Strategic Flood Risk Consequence Assessment (SFCA) for Neath Port Talbot County Borough Council which gave confidence to the Local Authority Development Plan and provided a ‘tool box’ of information for potential developers and planning applicants. [More](#)
- Working as part of a multidisciplinary engineering team, Clarkebond’s flood risk team supported the preplanning process on this residential development in an AONB and successfully negotiated all regulatory issues to achieve planning consent. [More](#)

- civil engineering
- structural engineering
- facade engineering
- geoenvironmental engineering
- environment & sustainability
- engineering management
- resilience & recovery
- infrastructure & drainage
- transport planning
- BIM

For more information please go to www.clarkebond.com or call **0117 929 2244**