



NG Bailey

Freedom
an NG Bailey Group company



FLOOD DEFENCE

DESIGN AND BUILD OF FLOOD DEFENCE SOLUTIONS

PASSION | INTEGRITY | EXCELLENCE

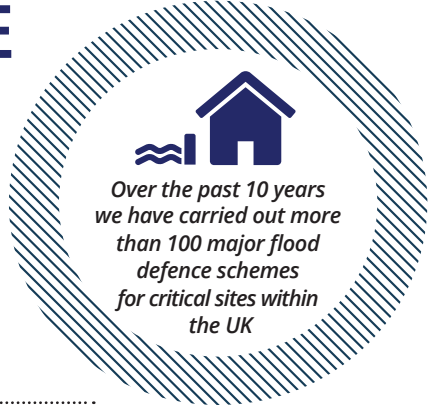


FLOOD DEFENCE

DESIGN AND BUILD OF FLOOD DEFENCE SOLUTIONS

Freedom offers a bespoke flood defence solution for all critical building infrastructure and services.

We specialise in the design and construction of flood defences to protect critical infrastructure across a wide range of sectors, including private networks, data centres, warehouses, schools, hospitals, higher educational facilities and housing developments.



Our scope of services includes:

Surveys

- Topographical site surveys
- Existing drainage surveys
- Ground probing radar surveys to locate and map existing underground services
- Environmental surveys to ascertain any existing wildlife and habitat restrictions
- Structural and condition surveys of existing buildings and structures to ascertain the suitability of their incorporation into the flood defence solution
- Geotechnical ground investigations

Design, Build and Maintain

- Planning drawings
- Civil and structural design of the flood defence solution
- Necessary site drainage repairs and re-lining works
- Construction of the flood defence solution
- Maintenance of the flood defence solution

Our flood defence solutions can include the following elements:

- Reinforced concrete flood walls with deep or shallow traditional or piled foundation options (to avoid affecting existing underground cables and services)
- Interlocking steel sheet piles
- Engineered earthwork berms and bunds
- Tanking works to existing walls, structures and buildings
- Strengthening and reinforcement works to existing buildings and structures to resist flood water loadings
- Flood doors
- Pedestrian flood gates
- Hydraulic or manual vehicular flood gates
- Sump chambers and pumps to deal with ground water in-flow
- Alterations to existing drainage, including new backflow valve fitting

For more information on our flood defence solutions, visit www.freedom-group.co.uk