

## Flowerdown, Weston-Super-Mare

### Our Services

- Data assessment
- Settlement prediction
- Working platform design
- Third party checks



### Geotechnical Advice

**CGL** was commissioned to value engineer the geotechnical design aspects for a commercial development situated on very poor ground, with alluvial deposits present in excess of 20m depth.

A review of site investigation data was undertaken to establish the ground conditions for geotechnical design and to assess potential contamination issues.

Settlement prediction was undertaken to permit appropriate design of a transition slab between the piled building and the hardstanding to accommodate the design tolerances for ground movements and pavement gradients. Design advice was also provided for the surface water retention and other substructures.

Provision of lime/cement stabilisation enabled **CGL** to reduce the working platform thickness, which was subsequently incorporated into the structural fill.

**CGL** also provided third party checks on temporary works designs for a deep excavation adjacent to Network Rail property.

**CGL** reassessed and reduced the design requirements and provided independent verification for the gas protection measures to protect against soil borne gases arising from the peat layers.

Contractor: Dean & Dyball