



## Case Study

### Jacobean Moorings, Solihull, West Midlands

#### Background

This project, undertaken by Cole Easdon Consultants (CEC) involved the detailed cut and fill analysis of providing a new canal boat marina and associated access road within agricultural land adjacent to the Grand Union Canal, Solihull at Jacobean Moorings, Knowle.

#### Client

Jack Allen Holdings Ltd.

#### CEC Input

- Engineering level design of the proposed marina and access road.
- Cut and fill analysis using the latest ground modelling software.
- Design of the re-profiled contours to the adjacent fields taking account of the placement of excavated material.
- Preparation of detailed drawings and a cut and fill report for the planning submission.
- Close liaison with the landscape architect throughout.

The environmental requirements stipulated by the local authority in advance of the planning application were that no excavated material should be removed from the site. Any excavated material had to be placed within the adjacent fields and re-profiled to minimise the environmental impact of the scheme.

Our accurate assessment of the volume of excavated material allowed us to determine the exact extent of re-profiling required to adjacent fields following placement of the excavated material

#### Benefits of Our Involvement

- The landscape architect was able to fully demonstrate the environmental impact of the proposed scheme to the local planning authority as a result of our analysis.
- Our expert knowledge of civil engineering and use of ground modelling software enabled an accurate assessment of the required earthworks.



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