

## TAPLOW BRIDGE

Major developer, Berkeley Homes, had secured a parcel of land on the River Thames in Taplow, Berkshire for a new housing development. They approached Land & Water to help with footbridge access that would span the River Thames onto Ray Mill Island. Access to this section of the development site was limited and construction of the bridge from land was not possible.

### Project Delivery

- With traditional land-based access not an option, access from the water was the solution. However, the complex location of the site meant that securing a bridge in place would still be a challenge.
- Land & Water's project specialists utilised an innovative approach that would allow for installation of the bridge from the water, connecting two parts of the land over a 35 metre stretch of the River Thames. This solution required the installation of extensive piled foundations and construction of intricate reinforced concrete abutments to support a statement bridge.
- The complex location of one area of the new housing development meant that construction of one of the abutments would need to be completed entirely from the water. This required specialist equipment, including pontoons and cranes specifically designed for the task.
- An iconic, 40 tonne bridge was the statement piece of the solution, manufactured by Berkeley Homes' preferred supplier S H Structures Ltd. The bridge, delivered in pieces, was to be assembled a mile down river.
- The constructed footbridge was lifted and floated into place via a 50-tonne crane and tug.
- The final step was to secure the bridge in place from the water. This task attracted the attention of the Taplow community, the press and many engineers who watched in amazement.
- The entire project was successfully delivered within a two week timeframe.

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[www.land-water.co.uk](http://www.land-water.co.uk)

Contact us on 0844 225 1958



### Project Particulars

- Client: Berkeley Homes
- August 2017



PROJECT  
VALUE:

**£680,000**