

ASTON NATURE RESERVE

Land & Water has worked alongside The Canal & River Trust (CRT) for more than 20 years. The company is the official contractor for its National Dredging Contract which means Land & Water is responsible for the delivery of the trust's asset-delivery plan for all dredging, vegetation clearance and associated minor ancillary civils. Land & Water is also its preferred contractor for all moorings and marina development on behalf of its waterside team.

CRT approached Land & Water after problems came to light with the delivery and affordability of its project at Aston Nature Reserve. This project was part of the overall restoration of the Montgomery Canal which has been on-going since 1969 and is a Site of Special Scientific Interest (SSSI) for much of its length.

CRT's objective was to create two balancing ponds and a nature reserve which would compensate for the loss of habitats as a result of the restoration, ensuring environmental benefit.

The initial design specifications were unworkable due to the difficult ground conditions of the site. The original solutions proposed by the client were expensive, unaffordable and would require a challenging installation. This put the project in danger of falling through.

As a trusted contractor and with a proven track record of developing innovative solutions, Land & Water was consulted to review the initial design.

Project Delivery

- With early access and insight to the project at the initial design stages, Land & Water was able to identify ways to make savings and develop ideas which would deliver a solution that resolved potential issues. This would bring the project within the client's budget. It was through this guidance that CRT was able to take its initial design and achieve a deliverable outcome.





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Project Delivery

- The new ponds would link to existing ponds at lock one and at lock three. The solution consisted of seven core steps, including: Construction and upgrade of the existing site access track, clearance of the vegetation of the site, excavation and shaping of the ponds, construction of embankments, construction of water supply and transfer structures, weirs, overflows and pipework, topsoiling, installation of coir roll matting and reed beds where required
- Land & Water always strives to work in partnership with its clients. The company is keen to maximise the collaborative advantages available from true team work, workspace sharing and early project involvement. The team is highly committed to driving value through innovation, forward planning, sequential work programming and adjoining projects. This not only minimises mobilisation costs but also allows the company to shorten the project lifecycle, saving time, money and lessening any environmental impact. In delivering the works at Aston Nature Reserve, Land & Water worked together with CRT to firstly understand the problems, solve them and add value.
- The project benefited from a focus on stakeholder engagement. In fact, the project involved extensive client-contractor engagement to take the project from a concept to an affordable, suitable design and through to construction. Alongside client engagements, Land & Water was also keen to consider and involve the volunteers working on the restoration of the Montgomery Canal and the involvement of third parties, including the design partners.
- Working in synergy with CRT, Land & Water took the initial design ideas and with support from its key design partners, transformed the scheme to a deliverable, functional design.

Find us on the internet at

www.land-water.co.uk

Contact us on 0844 225 1958

Project Particulars

- Bringing Land & Water into the planning at an early stage meant there was scope to integrate new ideas and systems without any new or unforeseen expenditure. As a result the project was completed on time and on spec



PROJECT
VALUE:

£1,289,000