

## SOUTHMERE LAKE

Land & Water Services (LAWS) were employed by Peabody Trust as Principal Contractor on this design and build JCT contract to improve water quality and biodiversity of the lake at Southmere. This project formed part of Peabody's wider regeneration plans to create 20,000 new homes, more job opportunities as well as improving the blue and green spaces in Thamesmead, London.

Land & Water undertook Stage 3 & 4 design development along with FRAP, licences, surveys, and investigation work prior to commencement of the construction phase.

The project, which was a collaborative effort between the different arms of the Land & Water Group, successfully progressed over 2019/20 despite the COVID-19 lockdown restrictions.

On site material was dredged from the lake and placed into geotextile containers that had been secured in the south west area of the lake to form a revetment wall behind which a wetland was created. A 'lidded' bucket was used to reduce the release of sediment into the water column during the operation. Existing dredged material was then used to create further reed bed areas, whilst improving navigation within the lake for boating and sailing.

A litter collection boom inclusive of a silt attenuation curtain was installed with overlapping gap to allow free movement of leisure boats in the lake. An ornamental fountain was also installed. This helps to aerate the water of Southmere Lake, improving aquatic conditions. Similarly, the team's experts also installed four fishing platforms with safe boardwalk access from which visitors can enjoy the lake's exceptional facilities.

LAWS worked alongside their Subsidiary company, Terraqua Environmental Solutions (TES) to create five floating islands, reed beds and wetlands, providing much needed habitat in the area. In turn, this has helped to encourage wildlife and improve the ecological status of the lake. These structures promise to help stabilise banks and filter out bacteria, fungi, and algae, futureproofing the biodiversity of Southmere Lake.

LAWS gained 'Performance beyond Compliance' recognition on behalf of the Considerate Constructors Scheme for its exceptional work overseeing the Southmere lake restoration project. As a result, the Considerate Contractor Scheme recognition was even more significant to the Group, who continued to carry out essential works throughout the Coronavirus pandemic.

Find us on the internet at  
[www.land-water.co.uk](http://www.land-water.co.uk)  
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### Project Particulars

Client: Peabody Trust  
July 2019 - June 2020



PROJECT VALUE: **£1.8M**