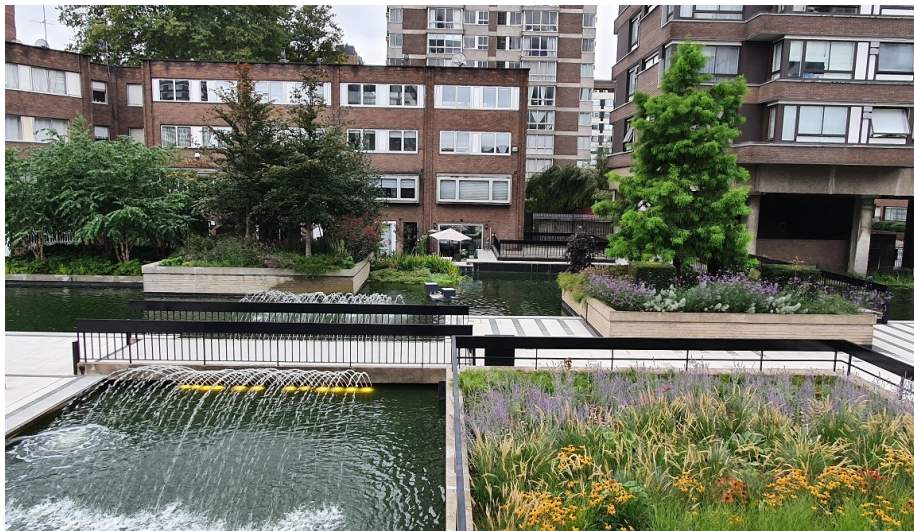


# Project Report

The Water Gardens, London 



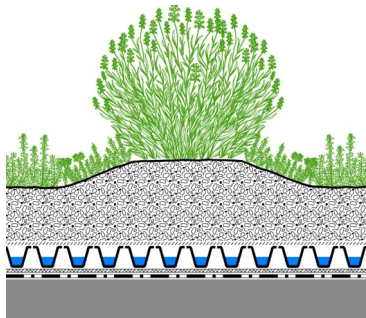
The refurbishment included a complete redesign of the planting scheme to suit the brutalist architecture.

## Conception

The Water Gardens is located in central London in the North of Hyde Park. The buildings and the suspended podium deck gardens over a car park void were completed in 1966 and were inspired by the modernist and Brutalist architectural movements. After 50 years the roofs were now leaking and paving was in poor condition. Thus the Church Commissioners for England initiated a refurbishment project: This did not only include the renewal of the waterproofing but also a redesign of the planting and paving scheme. In addition, modern features such as night lighting and high-

tech water jets and fountains were to be incorporated. For that, all of the original planting and paving had to be carefully removed to renovate the waterproofing and carefully reinstate a light-weight green roof build-up to provide a basis for the great variety of new perennials, shrubs and trees. Floradrain FD 40-E was used as the core piece of this build-up in combination with a light weight roof garden substrate. A special irrigation system supplies enough water so that the new trees and plants were already thriving just a few months after installation.

## System Build-up



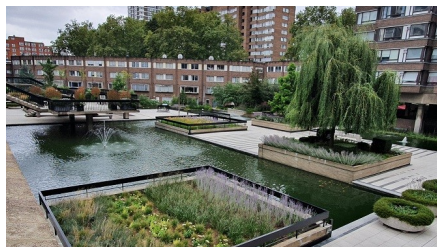
Plant layer according to design plan

Light-weight System Substrate "Roof Garden"

Filter Sheet SF

Floradrain® FD 40-E

Roof construction with root resistant waterproofing



Beautiful granite and concrete slabs were laid on the podium decks and 25 fabulous mature trees were specially imported and planted to ensure that the gardens would look fabulous and were restored to their former glory.



Floradrain® FD 40-E is the core element of the build-up. It was laid out on all planted podiums providing the plants with optimal water/air balance. A rainwater harvesting system was installed under the podium paving to enable the storage of up to 95,000 litres of water ensuring sufficient supply to the plants and to the trees in particular through the irrigation system incorporated.

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