

Case Study: Embankment Reinforcement, Kingston University Products: Envirolok Vegetated Bag System



Following the discovery of instability in an embankment on the Hogsmill River in Kingston Upon Thames Surrey a solution to control further erosion of the island containing a hall of residence and The Stanley Picker Gallery was required. Due to the lack of vehicle access to site that solution had to be easy to transport and require a minimum of plant to install.

Greenfix assisted in the specification and design of the Envirolok vegetated Bag System. The Envirolok system is built up using a combination of soil bags, spikes, cinching and twine. Once in place, native plants or seeds are added to promote deep root growth, locking the entire system into place.

At Kingston University Envirolok proved to be the ideal solution as with a filled weight below 15kg they could be moved across the pedestrian bridge that was the only access to the work area and placed into the retaining wall. The culvert on this side of the island was drained for the duration of the work. A seeded soil mix was used to fill the bags. Work as carried out late in the season but on revisiting the site in January 2017 germination was already taking place in the sheltered location, and it is anticipated that a fully vegetated embankment will be achieved in the spring of 2017.



Contractor

Deasy Management Ltd

Client

**Kingston
University
London**