



Installation of Temporary Working Platform, Bulk Earthworks  
& Sustainable Waste Management



Client: St James/Berkeley Group  
Site: Brewery Wharf  
Twickenham  
Contract Value: £516,000  
Technology Used: Bio-accelerator – Rapid bioremediation of hydrocarbons.  
Cementex – Guaranteed stabilization of heavy metals and phytotoxic contaminants.



“Very impressed with the final product that was delivered, this was commented on by Directors and Senior Management. Very personable team and willing to assist in works outside of their remit.”

**Calum Harman, Surveyor**



Dunton Environmental successfully carried out the installation of a temporary working platform to enable installation of deep foundations together with the management of all surplus arisings to facilitate residential development.

# Challenges

- Initial site investigation encountered hydrocarbon contamination within the made ground in the vicinity of an underground fuel tank.
- The working platform required a bearing capacity of at least 500kPa with minimal settlement.
- A surplus of 8,000m<sup>3</sup> of potentially contaminated construction soils.
- Site access and traffic management constraints.

## Our Solution

- A temporary working platform was provided from site won material. The platform was engineered to line and level incorporating a cut and fill operation over the site.
- Management and separation of waste and classification in accordance with the EA Technical Guidance WM2.
- Ex-situ bioremediation of hydrocarbon impacted soils by application of **our Bio-Accelerator™** to reduce waste classification and disposal costs.
- Close liaison with local haulage companies and waste management facilities to ensure project programme delivery.
- Management of pile arisings.



## Results

100%

Negligible risks to surrounding environment or future end-users

500kPa

Temporary working platform achieved with the lowest settlement being 1.85mm

- Project was completed on time
- Project was completed on budget

99%

Score achieved for surplus soil arisings on 'zero to landfill' policy to our customer.