

# Stoke Gifford

## Overview:

Site Location:	>> Stoke Gifford, Bristol
Client:	>> Wessex Water
Contract Value:	>> £930,000.00
Project Duration:	>> 6 Months

The Stoke Gifford scheme was located in the grounds of the Bristol Technology and Engineering Academy in North West Bristol. The scheme was necessitated by new development on the former Hewlett Packard land in Filton which increases foul flows above the capacity of the existing sewer.



The design solution comprised of 600m<sup>3</sup> additional offline storage in the form of a 12.5mØ, 15m deep shaft, with 2 overflow weir chambers and associated pipework and return pumps. The shaft was sunk as a 'top down' underpinned segmental shaft in limestone and mudstone.

The construction area was located in the car park of the newly constructed BTEA college, adjacent to the playground. Through early contractor involvement, Lewis Civil Engineering were engaged from the outset to determine a method of construction which would minimise the impact to the college and ensure the safety of the students at all times.



The construction area was extremely tight with no nearby available land for additional storage or welfare facilities. Available space had to be carefully managed, by creating an efficient site layout, arranging 'just in time' deliveries and programming works wisely so as to maximise output in the available area.

The scheme was completed on time and on budget which is testament to ECI and an Aligned Delivery Team .



Lewis Civil Engineering Ltd, Mwyndy Cross Industries, Cardiff Road, Pontyclun, Rhondda Cynon Taff. CF72 8PN

Telephone: 01443 449 200 Fax: 01443 449 201

Website: [www.lewis-ltd.co.uk](http://www.lewis-ltd.co.uk) E-mail: [enquiries@lewis-ltd.co.uk](mailto:enquiries@lewis-ltd.co.uk)