



Twinstore shapes up project schedule

Who:
Skegness Academy

Where:
Skegness

What:
Twinstore attenuation system

Main contractors:

Balfour Beatty



Project details

Background to specification

As contractors for the major new build and refurbishment project at Skegness Academy, Balfour Beatty have again been working with Tubosider to solve a very live issue.

2012 saw the critical second phase of the £21 million project, in which effective stormwater attenuation had to be installed for the buildings and sports facilities.

However, not only would the system have to allow ongoing access between academy & training areas, it would have to accommodate existing services including an electric cable across the designated location of the dig. Balfour Beatty's agent Rik Dickson faced two alternatives - either install a clutch of crate systems on either side of the cable, or see if a single Twinstore tank could be designed to give sufficient capacity on the one side.

Key criteria

Some creative thinking between Rik and Tubosider's design team led to a 1400mm diameter tank shaped in a right-angled triangle composed of three legs of almost 53, 43 and 33 meters in length.

Using the Twinstore system of balancing any water held between the tank itself and the surrounding membrane-lined granular fill did more than dramatically reduce the area of dig.

Balfour Beatty also particularly benefited from the speed of installation as they worked to complete phase two by October 2012. Time and efficiency was of the essence, and at the height of the building works, around 120 people were working on site.

Solution & benefits

Thanks in part in to the speedy solution to the groundworks issues, all work is due to be completed by August 2013. One exciting new feature of the development scheme is a 300-seat theatre space which will be available for community use.

Other facilities will include a learning resource centre with access to over 80 work stations and net books, six science laboratories, six new ICT suites, refurbished classrooms with full ICT access, refurbished sports facilities, a new bistro and dining area, and new social areas.

The total project will see the buildings and facilities at Skegness Academy developed to match the recently completed Nottingham Academy, which is also sponsored by the Greenwood Dale Foundation Trust.

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