

#### The

### **BACKGROUND**

As part of the drainage and earthworks design on the 7.8 mile long dual carriageway, there was a requirement for the construction of seven drainage attenuation ponds.

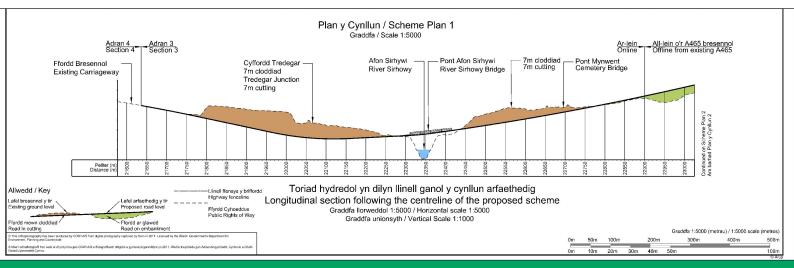
On completion the station will be the largest in the UK with a box structure 850m long, 70m wide and 20m deep. A subsurface structure of this kind requires extensive ground engineering works.

#### **Our Client's**

## REQUIREMENTS

A sustainable solution for pond lining for water retention.

The nature of the underlaying soils on the seven new drainage attenuation ponds, meant that the pond needed to be lined with Bentotex® GCL to retain the water within the pond.



# **Our Value Engineered SOLUTION**

Due to the nature of underlying soils, it was necessary to line the ponds to ensure water was retained within the pond. It was determined that Bentotex® GCL would provide an effective solution.

The presence of a suitable cohesive soil on the site meant the GCL could be surcharged using site won materials. The ease of the installation meant that no specialist installation was required.

"Having used Bentotex GCL on previous schemes, we were confident the material met our requirements"

**CHRIS FRANCIS Senior Buyer** 



