

ENGINEERING THAT WORKS FOR YOU

Development & Infrastructure South Bank Coke Ovens Effluent Mains Replacement

Contract	Value	Location
56 Weeks	£1,4m	Redcar

Client

Northumbrian Water

Abbey Road

Pity Me

Durham



Project Description:

This project at the South Bank Coke Ovens site in Redcar, was for the replacement of approximately 2.5km of 168mm diameter welded carbon steel effluent pipeline.

The effluent main currently serves the SBCO site in Redcar and transfers effluent to Bran Sands ETW for treatment. A condition assessment proved that the buried sections of pipeline had suffered severe corrosion.

The project comprised a combination of below ground pipe installations; constructed using conventional trenching methods, and above ground pipe installations including; the replacement of 620m of 168mm steel buried pipeline and 1500m of above ground 168mm steel pipeline.

The above ground pipeline was supported on concrete plinths and steel frames. A range of support types (anchors, slides and guides) and expansion loops were used to control pipeline movement.

The management of construction activities associated with all the civils works were carried out by Seymour CEC which included applying for all necessary temporary consents, permits and approvals from statutory and utility organisations.

