

## Main Drainage- Growhow Pipeline Installation

Contract	Value	Location
28 Weeks	£577k	Billingham

### Client

#### Growhow UK Ltd

Nitrogen Production  
Centre  
PO Box 81  
Billingham Site  
TS23 1XT

### Engineer:

#### K Home International

Ingram House  
Allensway  
Thornaby  
TS17 9HA



## Project Description:

This project was for various works within the Nitrogen Production Centre at the Billingham site including the installation of an effluent pipeline, the installation of a 7m x 8m deep segmental concrete shaft, the installation of pipe supports and drainage to the analyser slab area, the installation of a pipe bridge and crash barriers within the site and the construction of a tank farm area including reinforced concrete walls and floor slab. The cast in-situ walls were cast with Toproc high performance sulphate resistant concrete.

As all works were carried out within an operational site there was a great consideration given to site security, security of the works and management of the live hazards posed within the site. Due to the large amounts of permit restricted works to be carried out on the site, the Seymour site manager for the works was given training to allow him to be a Growhow permit acceptor for the works.

