

The Complete Construction Service



Donegan
Civil Engineering



Title: **Tewkesbury Drive DG5**
Location: Lytham, St Annes
Client: United Utilities
Project Manager: Lee Hall
Main Contractor: Donegan
Commenced: October 2009
Completed: April 2010
Value: £975k

Background Of The Works:

United Utilities had a requirement within the AMP4 period to provide asset improvements that will remove properties from the DG5 Flood Register.

The purpose of this project was to remove 11 local properties from the Flood Register in the Saltcotes area of Lytham, St Annes.

The flooding was caused by the hydraulic incapacity of the sewer network during storm conditions which resulted in sewerage emanating from manholes within the road.

Civil Engineering & Tunnelling Contractors

The Complete Construction Service



Donegan
Civil Engineering

Scope Of The Works:

Construction of a 15.00m Ø segmental shaft with 1,400m³ (1,400,000 litres) storage capacity for combined surface/foul sewerage. Sank by caisson approx 15m deep under tidal water pressure in poor ground conditions.

Mechanical & Electrical installation including 3 variable speed submersible pumps within the detention tank, motor control panel, instrumentation and telemetry equipment within a GRP kiosk and a number of penstocks and flow control devices.

Construction of approx 250m of 300 - 750mm Ø opencut pipework including 9 manhole chambers 1.50 - 2.40m diameter.

Construction of an insitu reinforced concrete discharge chamber and weir chamber.

Forming a permanent access over the tank for HGV access with a grass seeded paving system.



Europa Way
Stockport
Cheshire
SK3 0WT

Phone: 0161 495 7300
Fax: 0161 428 5553
Web: www.donegan.co.uk
E-mail: mail@donegan.co.uk