

# The Complete Construction Service



**Donegan**  
Civil Engineering



Title: **Upper Passmonds  
Grove DG5**  
Location: Rochdale  
Client: United Utilities  
Project Manager: Raz Rezai  
Main Contractor: Balfour Beatty USL  
Commenced: January 2008  
Completed: July 2008  
Value: £850k

#### **Scope Of The Works:**

Caisson sinking of a 10.30m internal diameter segmental shaft approx 15m deep through wet sandy clays.

The shaft would later be converted into a Detention Tank / Pumping Station for combined surface and foul water storage.

A 762mm diameter steel pipe installed by augerbore approx 30m length was used to connect the shaft to the existing sewer network.

**Civil Engineering & Tunnelling Contractors**

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A timber heading approx 20m length was then undertaken to install a section of the rising main with the remaining 30m completed in open cut.

There was also 170m of 600mm diameter concrete pipes installed along the adjacent road as on-line replacement of the existing combined sewer, which also involved constructing 8 new manhole chambers.

This of course also meant setting up traffic management along a busy road junction in Rochdale town centre.

Other works included constructing a Valve Chamber, installing a cable ducting network and installing the kiosk, shown above, to house the M&E control panel and telemetry system.

Finally the compound area was reinstated and converted back into a car park, which involved reconstructing a stone wall, kerbing and macadam surfacing.



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