



BELFAST SEWERS

Customer:	Morgan Est
Site Owner:	DRD/Northern Ireland Water
Approx. Value:	£1.5m

The Belfast Sewers Project incorporates 24 shaft sites throughout the city strategically located to allow access for inspections and maintenance of a network of storm water tunnels which culminate in a Terminal Pumping Station 30m below the surface at Duncrue Street.

Storm water will be contained in a Wet Well adjacent to the Dry Well containing 6 No. 950kw 3.3kv Storm Pumps and 2 No. 410kw 400v FFT Pumps, associated valves and instrumentation, which will pump the water up to a forebay channel ahead of the two drum screens.

FSD and Anord Control Systems worked in joint venture for the design, supply and install of all LV, C&I systems including building services and gas detection for all works at the Terminal Pump Station and Screens.

FSD scope encompassed all HV, MV, LV and C&I works at the pumping station with the exception of the supply and install of HV Switchgear and transformers, which were supplied by Igranic and Winders respectively.

An existing 11kv HV supply was extended to provide parallel supplies to the site removing two RMUs and jointing existing aluminium cable to new copper cables.

Cable containment design for the shaft was critical to maintain segregation between 3.3kv and 400v power and C&I cabling, specifically for the pump level where vertical access for the overhead crane is required for maintaining the pumps.

The pump station will be capable of pumping 18200 litres of water per second.

Field Systems Designs Ltd
Spring Court
Station Road
Dorking
Surrey
RH4 1EB

Tel: 01306 880800 Fax: 01306 882922

sales@fsdl.co.uk www.fsdl.co.uk

