

Profile

John Graham (Dromore) Ltd

John Graham Ltd is an award winning construction business operating throughout Ireland and the South East of England. The company has three core businesses: construction, projects and facilities management.

John Graham Ltd have extensive experience in working with the water service in Northern Ireland. Previous water projects in Northern Ireland include construction work at water treatment works at Carnmoney and Killyhevlin, and sewage treatment works at Ballymena and Ballynahinch.

Profile

Dawson WAM McAllister JV

DAWSON-WAM Ltd is a Northern Ireland based civil engineering and piling company operating throughout the British Isles for the last 33 years. The Company has been employed by the Department for Regional Development and Water Service and in the past has carried out some £40m worth of sewers and sewage treatment works in the Belfast Area.

The emphasis in the Belfast Sewers Project is to minimise disruption to the general public and a specialist in trenchless technology was required. DAWSON-WAM has formed a Joint Venture partnership with McAllister Brothers Limited.

McAllister Brothers are also locally based and are a technology-based operation that uses the most up-to-date equipment available for specialist operations such as CCTV pipeline investigation, directional drilling, and pipe bursting. McAllister Brothers Ltd is one of Ireland's foremost proponents of trenchless technology.

Contractors Onboard!



From Left-Right, Alan Bell, Managing Director - Grahams, Tom Kerr - Water Service, Trevor Haslett - Water Service, Katharine Bryan, Chief Executive - Water Service, Malcolm Brassey, Project Manager - Atkins, Dennis McGall - Dawson WAM McAllister JV

Water Service has appointed Dawson WAM – McAllister JV and John Graham (Dromore) Ltd as the contractors to undertake sewer repairs and improvements as part of the £100m Belfast Sewers Project.

The Chief Executive of Water Service Katherine Bryan stated that 'These contracts, valued at £20million, will deliver a five year programme to upgrade 19 Kilometres of existing sewers, many of which date from the Victorian era and are in poor structural condition'

The framework contractors will be working closely with Atkins, the

appointed Project Managers for the Belfast Sewers Project. Through this close partnership and the use of innovative, and environmentally friendly practices including pipe relining and trenchless techniques, the framework contractors are committed to minimising disruption to the people of Belfast.

The contractors work will help benefit the Belfast sewage system and meet the overall goals of improving the water quality of the Lagan and Blackstaff Rivers, reduce the risk of flooding in the Belfast area and ensure compliance with European environmental standards.

Technology

The Belfast Sewers Project will be one of the largest infrastructure projects to take place in Belfast. Given the scope of the project there will inevitably be some inconvenience to the public in the form of traffic disruption although every effort will be made to minimise impact.



The Scale of the Project

The Belfast Sewers Project will include the construction of:

The contractors will use the latest low dig technology that will minimise disruption to the public at every opportunity during the project.

The photograph shows contractors using existing manholes in their work. This minimises the need for digging trenches.

Techniques such as CCTV pipeline investigation, directional drilling, moling, pipe bursting and CIPP relining and high pressure sewer cleansing will be used during the course of the Belfast Sewers Project.

These trenchless technologies are less intrusive and more environmentally sound than alternative methods, making it less disruptive to traffic and the community.

The Belfast Sewers Project as a £100m infrastructure investment funded by the Reinvestment and Reform Initiative. The project will include the construction of:



- A new 9.6km tunnel up to 4 metres in diameter
- 19 km of new sewers
- New Stormwater tanks
- The refurbishment of 500 sewers

The Belfast Sewers Project is only one of over 300 water and sewage projects that Water Service will be undertaking. Water Service aim to have invested £590m in new water infrastructure by end of 2006.