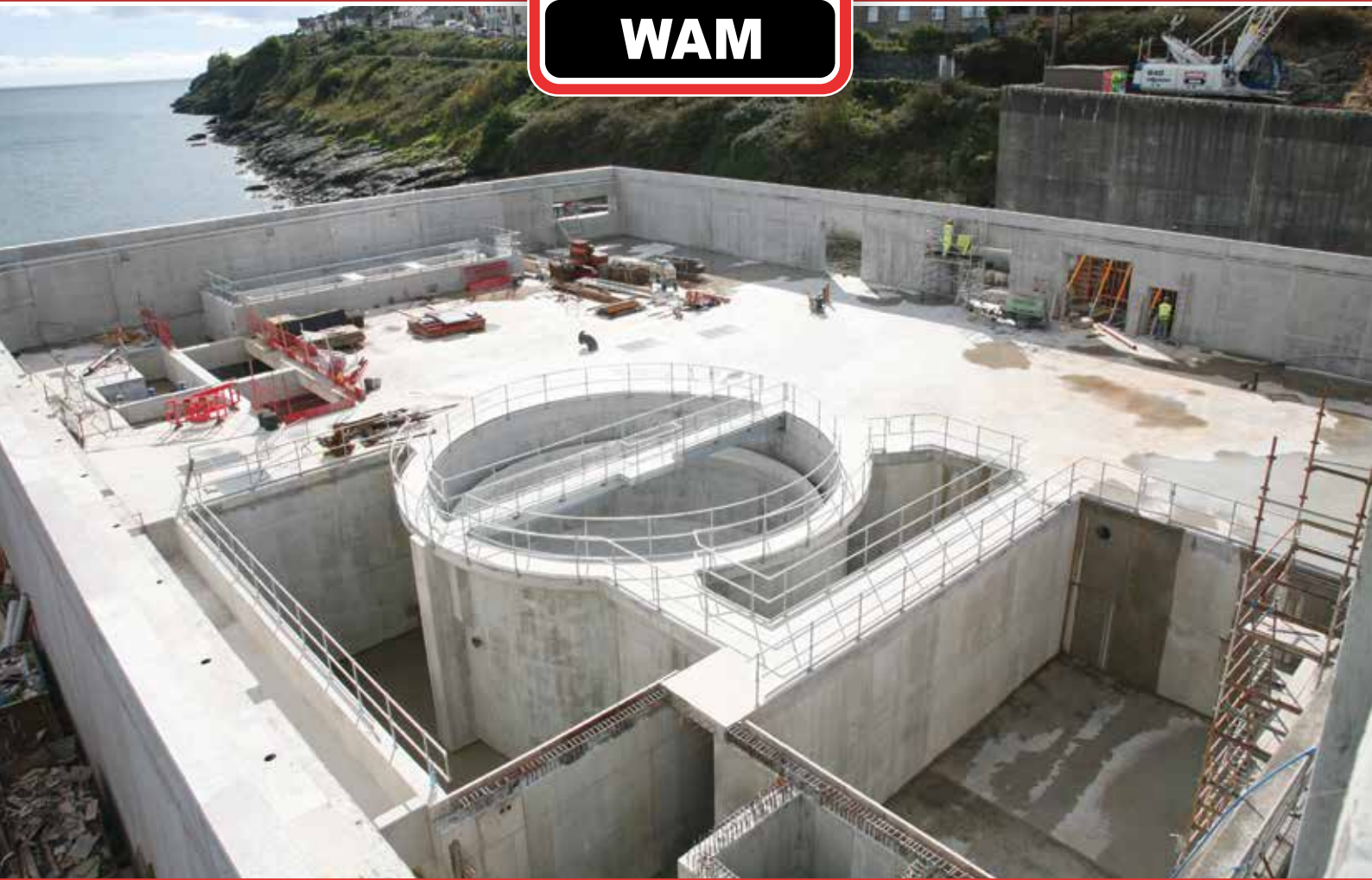


BELFAST | DUBLIN | EDINBURGH | LONDON | MANCHESTER

DAWSON
WAM



WATER INFRASTRUCTURE

Specialist Civil Engineering and Piling Contractors



WHO WE ARE...

DAWSON-WAM are specialist civil engineering and piling contractors with operations in the UK and Ireland.

The company undertakes large scale civil engineering and piling projects for public authorities, contractors and developers.

The company was founded in 1971 and has based its business around a collaborative approach to provide our clients with innovative cost effective solutions to today's construction challenges.

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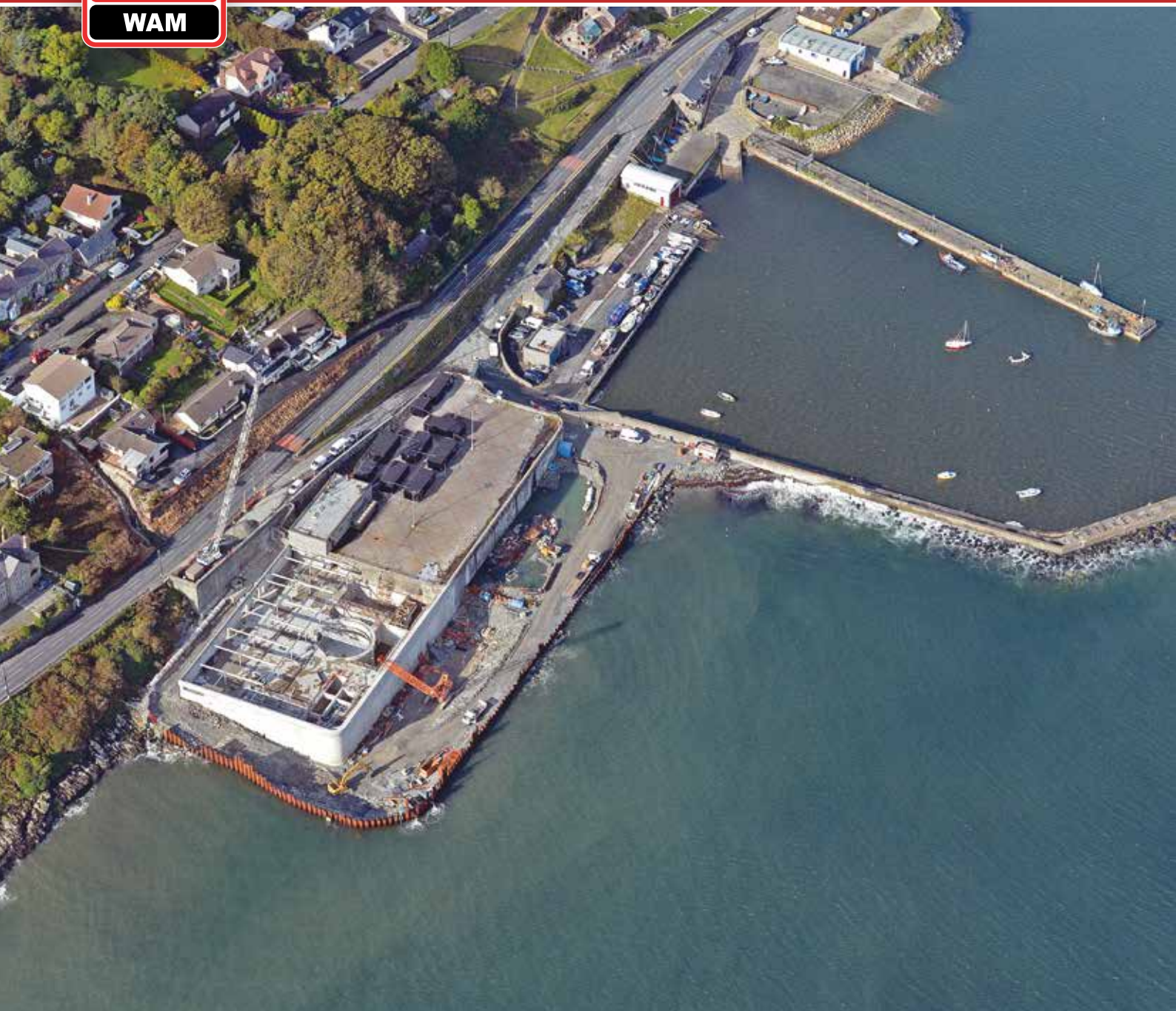
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NEWCASTLE WASTEWATER TREATMENT WORKS EXTENSION

New £10m extension to Newcastle's Sewage Treatment Works to house a secondary treatment stream, storm storage facilities, an inter-stage pumping station and UV disinfection.





CULMORE WASTE WATER TREATMENT WORKS

New treatment facility including refurbishment of existing plant. Works included construction in reinforced concrete of a large activated sludge plant ASP, overall dimensions 78m x 66m x 6m deep; 6 final settlement tanks, 23m diameter; a 96m x 33m x 4.5m deep storm retention tank and 2 pumping stations, plus various other minor structures. 12,000 cubic meters of concrete were poured, and 1400 tonnes of reinforcement.





CASTLE PARK WWPS

A 25m diameter Segmental Shaft Pumping Station comprises of 3,900m³ storage and associated pipework to deal with the additional flows created due to closing four CSOs in the Bangor area. The works when commissioned will improve water quality in Belfast Lough.

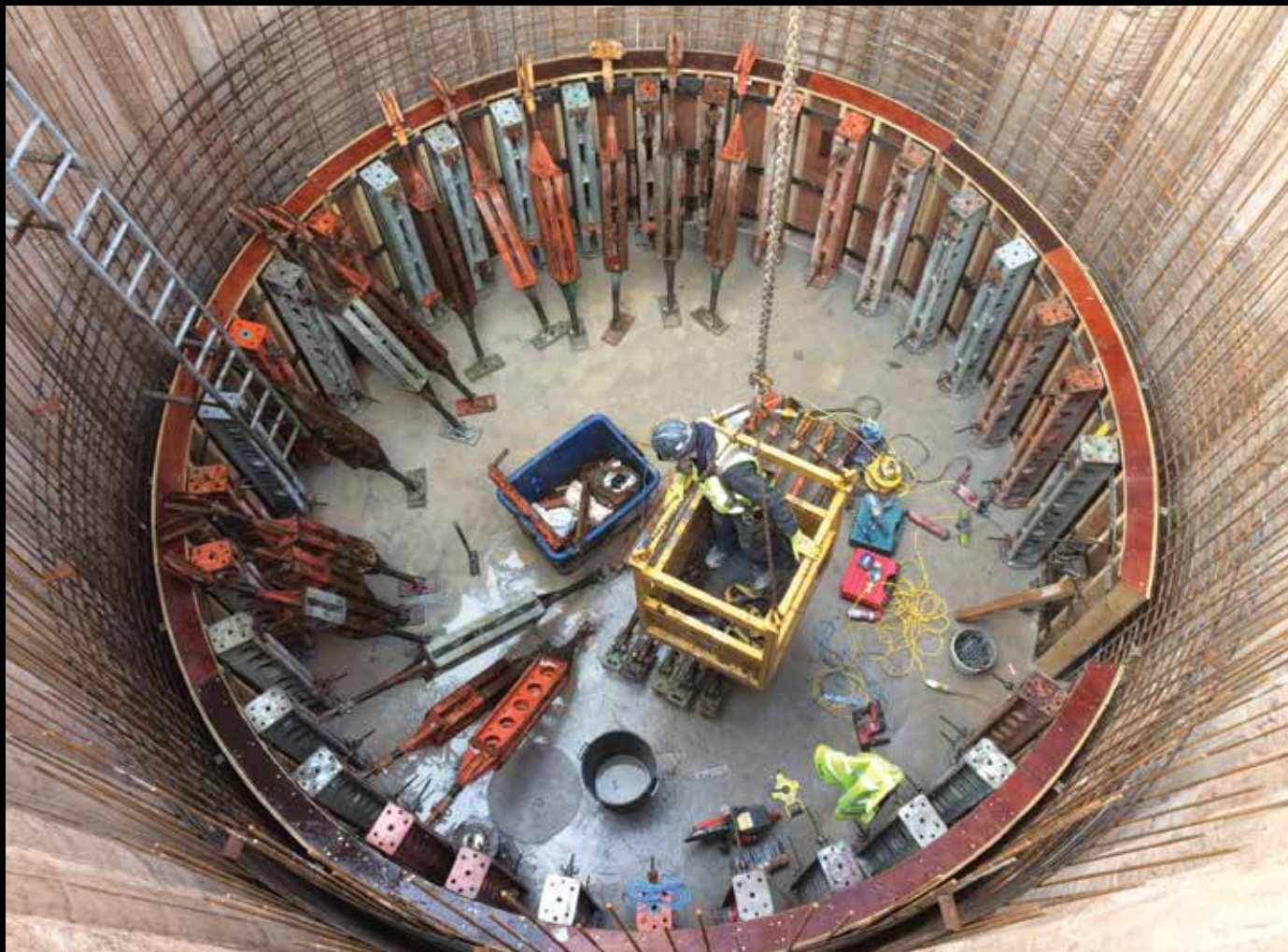






UPPER NEWTOWNARDS ROAD PHASE 2, FLOOD ALLEVIATION SCHEME

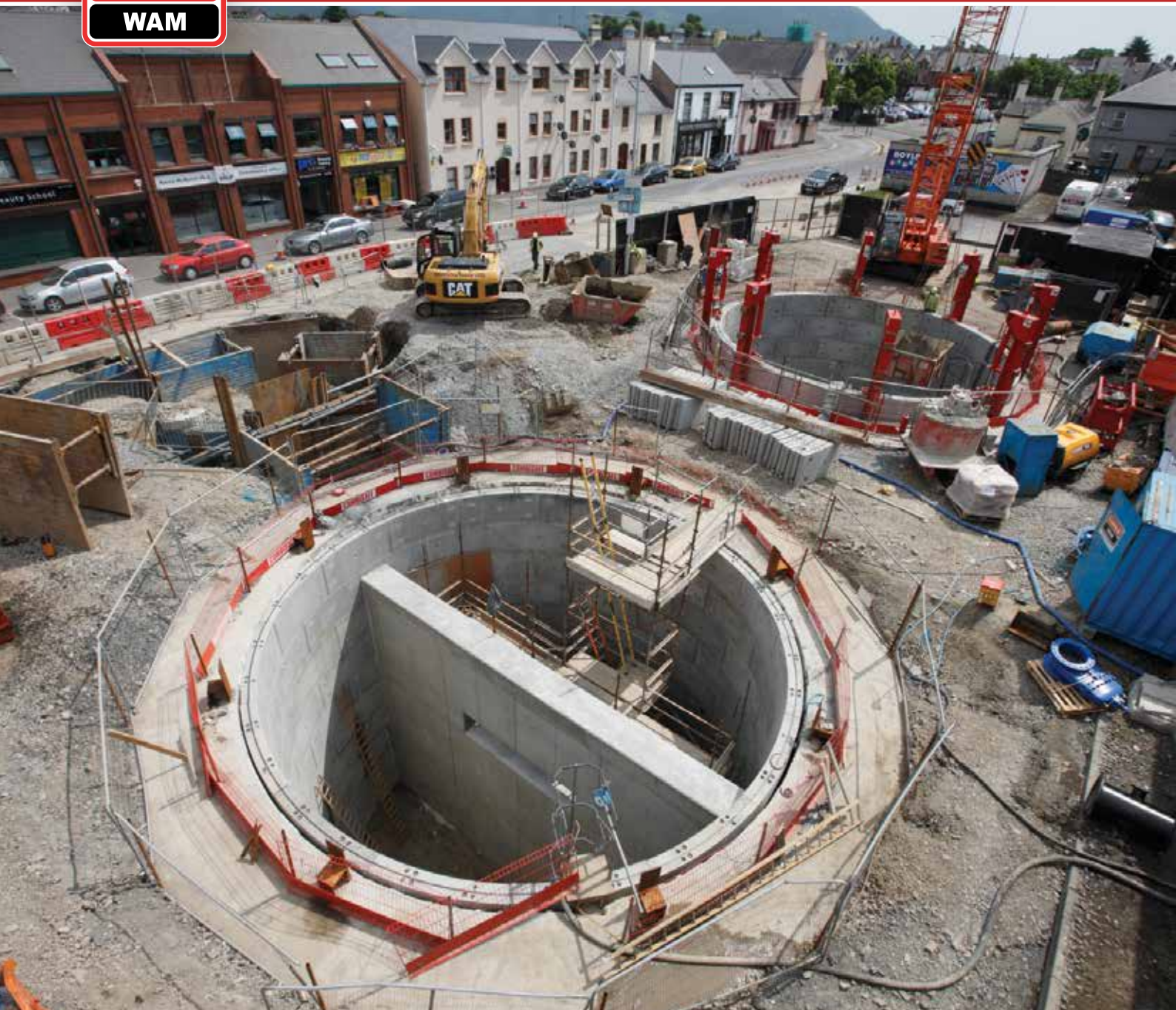
Design, construction and commissioning of 1.8km Sewer upgrade scheme to alleviate flooding from the existing sewer network and replacement of Knock Road CSO. The crossing of the Upper Newtownards & Knock Road junction was completed by trenchless techniques (120m x 1200mm diameter Pipe) to minimise traffic disruption and avoid services conflict.



ORMEAU AVENUE SEWER UPGRADE

£5M project to upgrade the sewers in Belfast and reduce environmental pollution to the River Lagan.







WARRENPOINT

One shaft, fitted with a dividing wall, is a foul and storm pumping station capable of pumping 250 litres per second during storm conditions via 1800 meters of 500mm diameter pumping main constructed within the carriageway towards Warrenpoint wastewater treatment works. The second shaft is a storage tank connected to the pumping station. The combined capacity of the two tanks is more than 800 cubic metres during storm conditions, thus reducing the chances of flooding throughout the town.





BRIDGE STREET WWPS, STRABANE

A new pumping station was constructed below ground to replace the existing 40 year old station improving the visual impact of the facility.





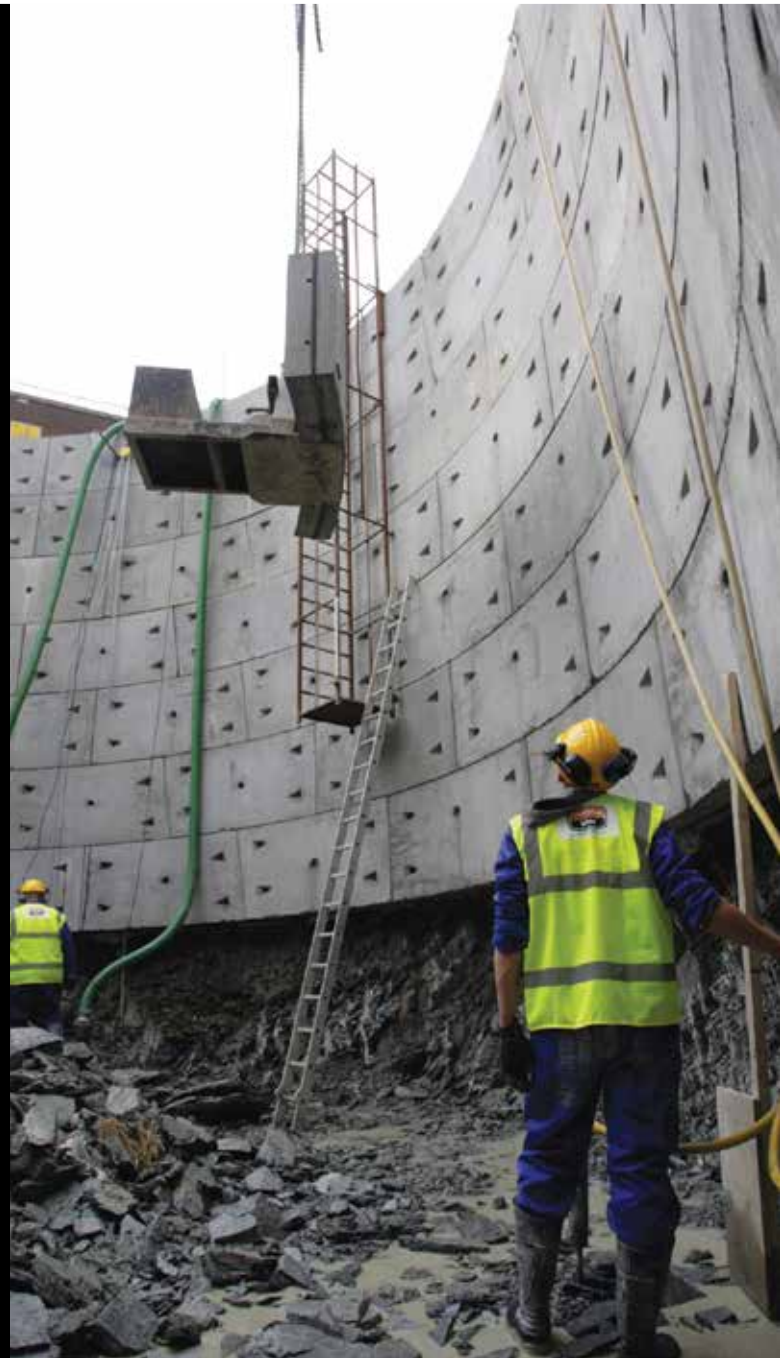
DUNMURRY WWTW, BELFAST

Design and construction of a new industrial unit to cover sludge import facilities, sludge storage, sludge dewatering and cake loading.



PENNYBURN PUMPING STATION

Top down construction of new pumping station. Works included construction of pump shaft; new control building and outfall into Lough Foyle.





ALDERGROVE TRUNK MAIN, ANTRIM FOR NI WATER

Design and installation of 3.7km of 600mm diameter foul sewer and some 80 nr. manholes.



CASTOR BAY STRATEGIC TRUNK MAIN, NI WATER

Installation of 350-700mm fresh water pipework and pumping stations.





KILLYHEVLIN

Design and build of 1.5ml reinforced concrete Clear Water Tank adjacent to Lough Erne, including a new inter-stage pumping station and outlet pumping stations.



DUNGANNON WWTW UPGRADE

Upgrading of the existing treatment works to meet the hugely increased demand from population growth and industrial processes.





ERGANAGH WASTEWATER PUMPING STATION

Construction of a new wastewater pumping station in a very restricted site using a circular secant shaft.



BELFAST SYPHONS

Construction of secant piled cofferdam as temporary works to facilitate construction of new 9m deep chamber replacement, installation of new penstocks and cleaning the existing network.



GULLADUFF RBC PLANT - NI WATER

The works included the construction of an inlet works, primary, secondary and final treatment, plants, FE pumpaway to Knockloughrim WwTW along with sludge and storm storage facilities.



MOYGASHEL SEWERAGE IMPROVEMENT SCHEME

Works included laying of 7.5km of 600mm diameter HPPE pipeline and construction of pumping station.





MARSDEN RESERVOIR SPILLWAY UPGRADE, YORKSHIRE WATER

Installation of Cased CFA contiguous piled wall to expand and strengthen the existing spillway located in the heart of Marsden Moor.



MEXBOUROUGH

Installation of a secant walled storm attenuation tank with a capacity of 400,000 litres scheme to reduce the risk of sewer flooding to parts of Mexborough.





THAMES TIDEWAY PROJECT, LONDON

Secant piled rescue pit for a tunnel boring machine. Works were completed within the confines a narrow residential street with properties on both sides.



SOUTH WALES GAS PIPELINE

Construction of launch and reception pits for the 115 mile 1220mm gas pipeline in Brecon Beacons.



CHRISTCHURCH STW, WESSEX WATER

Sheet piled temporary cofferdams for upgraded and increased capacity sewage treatment works to allow passage of 50,000 m³/day.





PENN MILL SEWAGE TREATMENT WORKS, YEOVIL

Construction of circular sheet piled retaining walls and load bearing piles for a STW extension.



GROVE FARM, FLEET, HAMPSHIRE FOR THAMES WATER

Sheet piled cut off water and noise barrier for new pumping station to prevent the potential for sewer flooding.



ATTENUATION TANK, POCKLINGTON

Construction of a Secant Piled Attenuation Tank for Yorkshire Water to hold 390m³ of water allowing slow release of storm water from the new housing development.





NINE ELMS 132KVA SUBSTATION

Construction of a new basement, including secant walls, propping and reinforced concrete works, for a new 132kVA substation for Nine Elms and Battersea areas of London.



MOORTOWN RESERVOIR, LEEDS FOR YORKSHIRE WATER

Installation of Cased CFA contiguous piled wall for an 8 million litre reservoir serving 27,400 properties across West Yorkshire.



ABBEY MILLS PUMPING STATION EAST LONDON FOR THAMES WATER

Installation of temporary cofferdams to facilitate the construction of one of the 3 principle pumping stations in London.



ASHTON AVENUE PUMPING STATION, BRISTOL FOR WESSEX WATER

A permanent sheet piled retaining wall, bracing and load bearing piles for the expansion and improvement of the existing storm water pumping station.





CONLIG ATTENUATION TANK

Construction of the largest attenuation tank in Ireland using SuDS



STRONGFORD WASTE WATER TREATMENT WORKS

Works included installation of 4 temporary works cofferdams and propping to enable deep construction.



KING POST WALL, GLAMORGANSHIRE CANAL, PONTYPRIDD

Installation of 250m king post wall for a canal upgrade.



MONEYMORE FLOOD PROTECTION SCHEME

Works included construction of 750m of secant piled floodwall installed within 500mm of existing dwellings; associated civil engineering works, rock armour placement, re-instatement of neighbouring gardens. The scheme achieved an 'Excellent' - 93% CEEQUAL Award and a 'Silver' as part of the Considerate Constructors Scheme. An excellent example of sustainable construction.





GLOUCESTER AND SHIPNESS CANAL DIVERSION SCHEME

Works included installation of 600 linear m. of sheet piles and associated tie bar and anchor system.





ABERCORN EAST QUAY WALL, BELFAST HARBOUR

Construction of new 200m long quayside in the heart of Belfast's Titanic Quarter. Works required the installation of 23m long AZ50 sheet piles and reclamation of 2000 m sq of land for new mixed use development

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