



## NI Water Belfast Sewer Stormwater Management - Breakthrough



# CONGRATULATIONS !

The LOVAT RME185SE, owned by the Morgan-Farrans Joint Venture, has recently broken through on the first drive of the NI Water Belfast Sewer Stormwater Management Works project located in Northern Ireland.

The 4.7 metre diameter Mixed Face, Earth Pressure Balance bored 1,290 metres of tunnel through two glacial deposits, Boulder Clay and Malone Sands, along with significant portions of bedrock comprised of Sherwood Sandstone, Mercia Mudstone and Upper Permian Marls. In addition, vertical Doleritic dykes of variable thickness were also encountered. The entire tunnel alignment is located below groundwater level, with the groundwater level varying from 22 to 31 metres above the tunnel invert.

The TBM will now be recovered in preparation for the next phase of the project, a 2,200 metre drive leading into the city centre through similar geology.