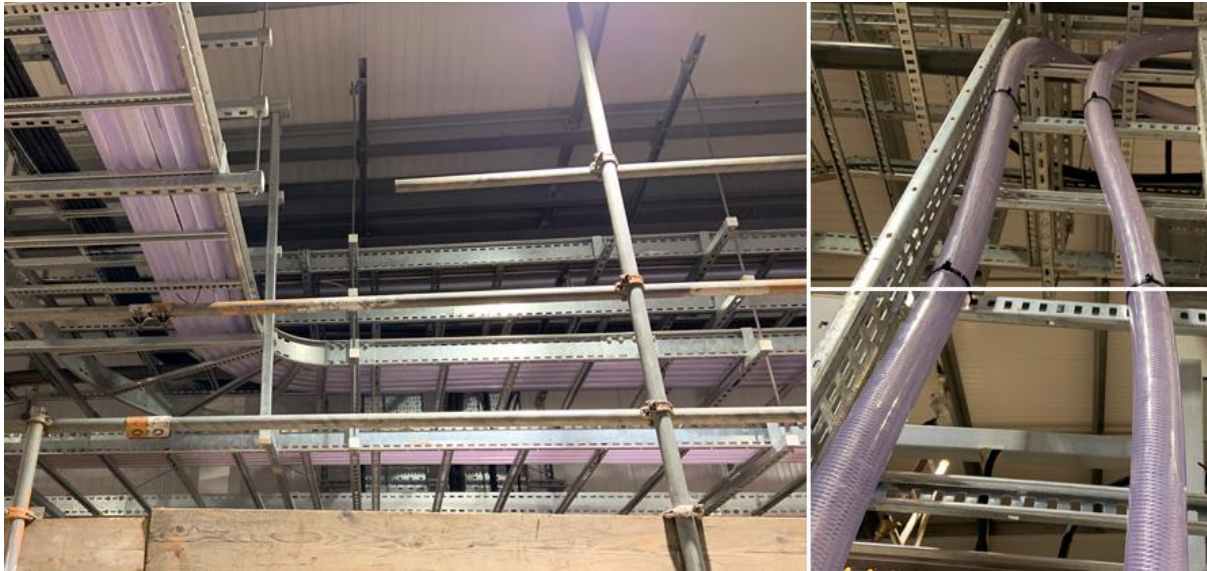




Protectaflex installed at Frankley WTW as part of the
Birmingham Resilience Project



Since the beginning of the 20th century, raw water has been conveyed 118km from the Elan Valley in Wales, under gravity by aqueduct, to the water treatment works (WTW) in Birmingham for treatment and supply to the population of the city. The aqueduct has been in continuous service for over 100 years and requires some important maintenance work to be undertaken. Severn Trent appointed DNM Alliance to carry out the multi-million-pound project.

To enable the work on the aqueduct to be undertaken, the WTW is being upgraded with a new treatment stream capable of treating raw River Severn water. The treatment stream includes the construction of its own dedicated chemical treatment dosing plant. FT Pipeline's dual contained chemical dosing hose was chosen as part of the project.

Over 5000m of Protectaflex hose (*12.5mm, 19mm, 25mm, 32mm & 38mm RPVC Protectaflex and 38mm VH Protectaflex*) and associated hose tails, clamping fittings and valves have been installed between the dosing cabinets to various points of application around the treatment site.

The chemicals being transported are Sodium Bisulphite, Orthophosphoric Acid, Polymer, Ferric Sulphate, Sodium Hypochlorite & Sulphuric Acid.