

Plasflow – Supporting the Capitals’ Super Sewer Solution

Tideway is the company delivering the Thames Tideway Tunnel. More than 400 highly experienced professionals are employed by Tideway to deliver the super sewer project, They are constructing a 25km tunnel under London’s river that will prevent the tens of millions of tonnes of pollution that currently pollute the River Thames every year

This necessary expansion of London’s sewer network is due for completion in 2024, and is happening across 24 construction sites in London.

At the heart of the construction of the Falconbrook Pumping Station, in the London Borough of Wandsworth will be an interception chamber that will connect the Pumping Station to the new sewer. As with all types of pumping station the measurement of flow is a vital part of the operation.



In order to create a robust, dimensionally accurate and long lasting component of the flow measurement process, there was the requirement to install a connection from the surface to the sewer itself, located 18m below the surface. Polyethylene (PE) was the material chosen for its durability, strength and anti-corrosion properties, and Plasflow were chosen for their knowledge, expertise and quality of work.

Plasflow provided a 710mm SDR17 fabrication with a length of 18m. The fabrication was produced using the butt fusion welding technique, with PE skids extrusion welded on the outer surface in order to ensure that the fabrication was held centrally within the shaft that connected to surface to sewer.

Just to make the project a little more challenging, once complete the fabrication item required to be transported as a single item on an extended trailer to the site.

