Flood Alleviation Scheme, Louth
Pipelining

Project Overview

Danaher & Walsh Advanced Pipeline Solutions is on a long-term framework for Anglian Water, along with several other companies that make up the IMR WR Alliance.

Louth in rural Lincolnshire has suffered with flooding for many years. This ambitious project involved refurbishing 1 .3km of abandoned 600mm combined sewer in order to provide flood alleviation water storage capacity.

The Challenge

An abandoned combined sewer was identified as suitable for asset repurposing. This 1.3km sewer consisted of 600mm diameter concrete pipe. Its condition was poor, so extensive rehabilitation was required.

Following cleansing, the sewer was fully inspected and graded. Several areas of near total collapse were repaired, some remotely using robotic cutting and others using small, localised open cut excavations.

Following the repairs, the pipe was fully lined using a water-inverted liner and a hot water curing system. The sewer was then connected into the existing system to provide extra storage in storm and high-flow conditions.

A scarcity of water supplies in the area meant that ordinarily, tankers would be required to import water for use in the curing process, however for this scheme, infiltrating groundwater was diverted to the boilers and used for the hot water cure.

The outcome

This method resulted in the saving of water resources and the elimination of many tank movements. The works areas were in a mixture of fields and mature trees, with many ecological issues requiring assessment. The scheme was completed in just six weeks - 2 weeks ahead of schedule - A scheme to mitigate was flooding was successfully delivered by Danaher & Walsh.

At a Glance

Client
Anglian Water

Area of Expertise
Pipelining