

# Wigston Flood Relief, Cumbria

## box culverts case study

*“The FP McCann team at Telford has worked closely with both the Environment Agency’s designers and site construction personnel to establish the correct dimensions and capacity in the culvert and to put a delivery plan in place to ensure the just-in-time supply of units; a schedule completed in December.”*

**Rachel Gerrard, Environment Agency Project Manager**



### Overview

Wiza Beck, a tributary of the river Wampool has been subject to flooding for many years causing damage and disruption to local properties and businesses in Wigton. The flood relief scheme, involved the building a 100m long embankment to hold back water during a storm surge and the construction of a precast concrete culvert in the flood storage basin to reduce the flow of the beck.

### Scheme Details

FP McCann supplied eight 1 metre box sections, 2.3m wide by 1.5m high and two 2-piece inlet and outlet section walls, weighing 9.5 tonnes and 11.5 tonnes respectively. The culvert is designed to reduce the flow of the tributary and allow any excess water to be stored in the basin, thereby increasing the town’s protection from sudden stormwater surges.



**Site:** Wigston Flood Relief, Cumbria  
**Project Manager:** Environmental Agency  
**Client:** Cumbria County Council

FP McCann offers a bespoke box culvert design service from its Alfreton Office and Telford Precast factory.

Contact Steve Walker: [swalker@fpmccann.co.uk](mailto:swalker@fpmccann.co.uk) / 01773 520273