

## CASE STUDY

### CLIENT

Northumbrian Water Group

### PROJECT

Flood Alleviation Site  
Situating in Houghton-Le-Spring

### SCOPE OF WORK

- ▶ Install a Flood Alleviation pumping station
- ▶ Supply a new MCC.
- ▶ Supply Instrumentation and interconnecting cables
- ▶ Supply and install kiosk
- ▶ Supply and install pumps and pipework
- ▶ Complete a full commission of works carried out

### DATE

Dec 2015 – Jan 2016

### PROJECT VALUE

£240,000



## LONGACRE FLOOD ALLEVIATION PUMPING STATION

The works consisted of installing a Flood Alleviation pumping station in Houghton-Le-Spring.

Retroflo were contracted to supply, install and commission the Mechanical and Electrical works of the site. This included the supply of the Motor Control Center (MCC), Instrumentation, interconnecting cable and associated junction boxes, containment items and earthing installation. Kiosks to house the MCC and REC equipment were installed, along with the correct pumps and pipework for the job and all necessary fixings, fittings, brackets and pipe supports.

The engineering team installed the pumps and pipework into the wet well chamber and completed the installation of the Kiosk onto a concrete plinth, complete with ducts to the new underground structure. The kiosk came complete with all building services prewired at Retroflo. MCC and Telemetry were fitted into the supplied Kiosk on site. All wiring from MCC to pumps with correct terminals, level controllers and chamber level switches were also installed inside of the pumping station.

Following the full install of the Flood Alleviation Pumping Station, the team then carried out electrical testing to BS7671 standards and thorough commissioning of the installation. The required paperwork was then handed over to the client to achieve completion.