

## CASE STUDY

### CLIENT

Northumbrian Water Group

### PROJECT

Pallion New Wear Bridge  
Diversions, Phase 3

### SCOPE OF WORK

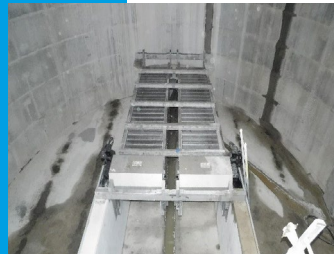
- ▶ Install new Combined Storm Overflow (CSO)
- ▶ New screens
- ▶ New Motor Control Center (MCC) and Kiosk
- ▶ Decommissioning of the old CSO

### DATE

Jan 2016 – July 2016

### PROJECT VALUE

£50,000



## PALLION COMBINED STORM OVERFLOW (CSO)

The works consisted of replacing the CSO (Combined Storm Overflow). The work was required due to the existing CSO being located directly in the path of the new bridge being built and developed across the River Wear.

After constructing the CSO Chamber in its new location, Retroflo installed new screens, the Motor Control Center (MCC) and Kiosk, new instrumentation and telemetry, and relocated the BT Line. Once the flow was diverted through the new CSO, Retroflo were also set the task of decommissioning the existing CSO once the new installation had been tested, commissioned and was operational.

Retroflo designed a bespoke ultrasonic casing that would allow the ultrasonic to be lifted up for maintenance. The project, including all site installation work, testing and commissioning, was successfully completed to programme and to budget.