

Project Name: Appersett Retaining Wall

Client: North Yorkshire County Council

Value: £25,000

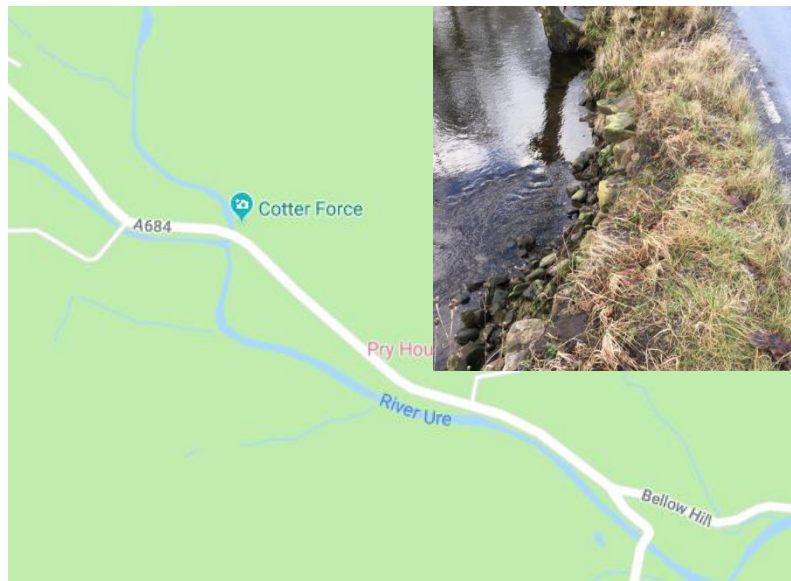
Date: Jan 2017 to Feb 2017

This project was let to Hinko in December 2016 as part of our North Yorkshire County Council Framework.

The River Ure had scoured the embankment adjacent to the A684 causing the road and verge to start to collapse.

This resulted in a requirement to remediate the problem.

To address the problem a new retaining wall was designed to support the collapsed area.



The new wall was to be built adjacent to the River Ure this made the works more complex due to the ecological aspects which had to be carefully considered and managed.

A traffic signal controlled lane closure was employed throughout the duration works, this gave working room and allowed the management of vehicles utilising the two-way traffic lights. This also reduced the speed of vehicles through the work area offering a safer working environment for the site teams.

The river Ure has good stocks of British Crayfish so before commencing with the works the Hinko site team sand bagged the work area off allowing for a fully trained and licenced Ecologist to capture and re-locate the crayfish and fish trapped within the temporary dammed area.

To execute the project the Hinko team extended the sand bag dam giving working room and allowed for the wall base construction which was designed to protrude into the river itself.

The water was fully pumped out of the dam and the ecologist gave the works a final inspection prior to flooding the area with concrete, giving a solid base for the construction of the wall.

Once the base was constructed large blocks were lifted into position using a mini digger and kerb clamp.

Dowels were drilled and fixed into the rear of each block and the area mass filled with concrete to the rear.

The process was repeated until the wall was built to level.



Once the wall was built to level rip rap was placed in the river to the front of the wall to protect the foundations from further scouring and also offered habitat for ecology.

This was done by utilising a mini digger from the top, reducing risk to operatives having to access the water.

The verges were reinstated with top soil and seeded. This included the install of a drain to allow ponding water on the road to escape past the verge and into the river also Hi Visibility bollards were installed along the work area to give motorists clear visibility.



The project was completed ahead of schedule and on budget with zero accidents or incidents. By programming the works in the way we did it was possible to reduce the disruption to the local public.