Kendal Flood Risk Management Scheme

Aynam Road – Construction update

Environment Agency

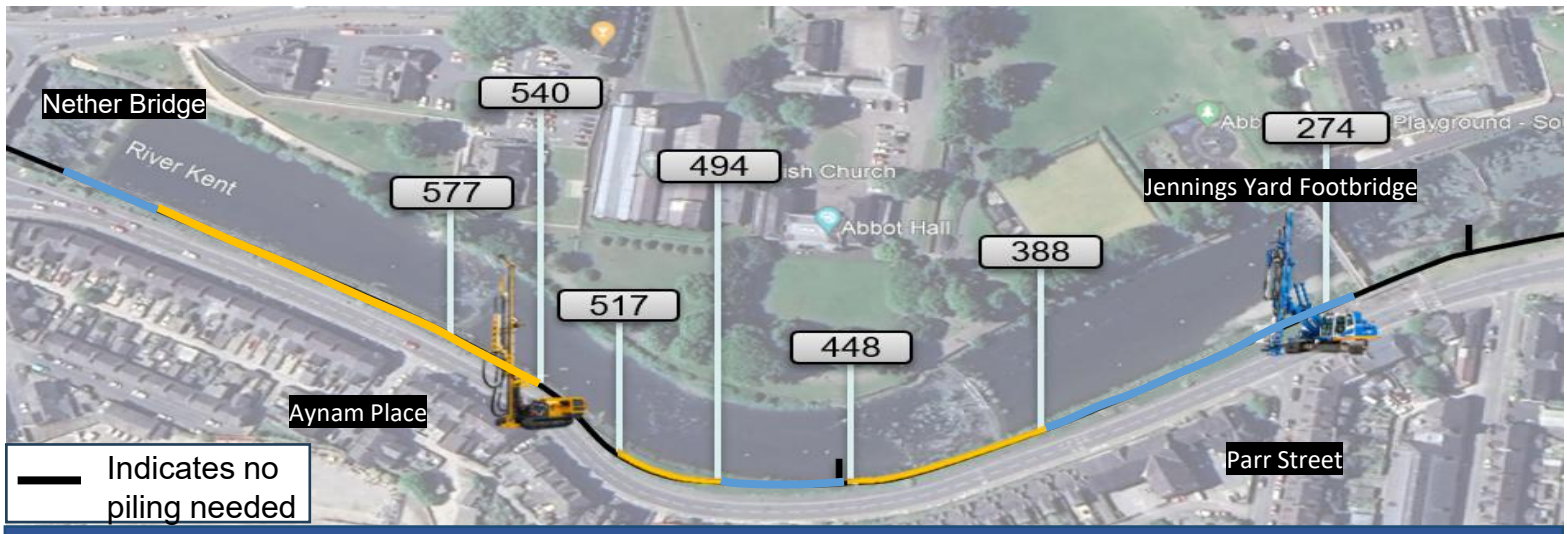
28th October 2026

This newsletter is to explain the activities we will be undertaking to construct the flood defences along the riverside which includes information on the piling techniques that will be used to create the foundations needed for the new flood wall.

The construction site is now setup with the traffic management arrangements and bison (red & white) barriers now permanently in place for the duration of the works. A 20mph speed limit is now in place which is an enforceable limit to keep residents, pedestrians and our staff safe.

Since our last newsletter in August, works on site have been focussed on the removal of the riverside railings, clearing of vegetation, lifting of the tarmac surface and removal of redundant services and cabling. The surface has been prepared and the lifting and installing of matting for the piling rigs is now taking place ready for the piling rigs to arrive on site from Wednesday 28th October.

Two piling rigs will be working along Aynam Road as the ground conditions vary. The 450mm Hutte rig will be predominately used and when needed the Klemm 600mm piling rig will be used in locations with more rock and boulders in the ground.



Map showing the two piling rigs working in conjunction with each other, these will be followed by concrete mixers delivering the concrete which will be poured into the holes created by the piling rigs.



Klemm Rig (600mm)



Hutte Rig (450mm)





Concrete Team 1 & 2 delivering the Fibre-Reinforced Concrete

The large equipment that will be used to construct the new flood defence wall

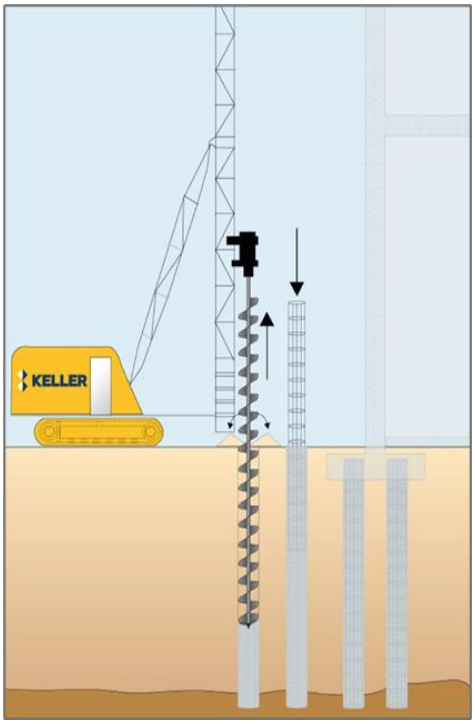
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Kendal Flood Risk Management Scheme

Aynam Road flood scheme construction update

The flood wall foundations will be constructed using the Continuous Flight Auger (CFA) piling method. This technique involves drilling into the ground with a rotating helical auger and is commonly used in residential and environmentally sensitive areas because it generates minimal noise and vibration.

Following the installation of the piles, the flood wall will be built and faced with natural stone to complement the surrounding environment. Selected sections of the wall will incorporate glass panels to preserve views, while lower wall sections close to Miller Bridge and Nether Bridge will be finished with railings.



The CFA Piling process explained

Drilling: A long, continuous screw auger rotates and drills straight down into the soil to the target depth, bringing excavated dirt up to the surface.

Concreting: Concrete or grout is pumped under high pressure straight through the hollow centre stem of the auger.

Extracting: The auger is slowly pulled back up while concrete continues to pump, filling the hole completely and preventing collapse.

Reinforcing: A pre-made steel rebar cage is pushed down directly into the wet concrete column to give it structural strength

Autumn / Winter working arrangements

As we head towards the darker evenings setting in, working hours will remain as they are from 8am to 6pm. Site lighting will be needed which will be a combination of ring lighting and tower lighting. During the evenings, ring lighting will be in place to illuminate areas of the construction site. This will be low level and shouldn't impact residents and will allow our site security team to undertake regular patrols of the site. Any tower lighting needed will be turned off overnight.

Keeping up to date

We will keep you updated through newsletters which will be delivered directly to you. If you would like to register your email with us, please email kendafrms@environment-agency.gov.uk.
By registering your email with us, we can keep you updated quickly and efficiently.

Download the Volker engage app using the QR code shown or feel free to visit us at our Flood Scheme Information Hub **located on Beezon Road (adjacent to Lidl), Kendal, LA9 6BW. Open every Tuesday and Thursday 10am to 4.30pm.**

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