

Kendal Flood Risk Management Scheme

Reducing flood risk in your community



Flood wall construction at Waterside

A new flood defence wall is being constructed along Waterside. The new glass topped flood wall will extend from the top of Kent View along the riverside to downstream of Edgecombe Court.

The flood wall has an integrated flood gate which will be closed in flood conditions once the full scheme is complete.

Visualisation showing new glass topped flood wall and flood gates. The glass panels will retain riverside views.

Temporary bridge crossing and platform

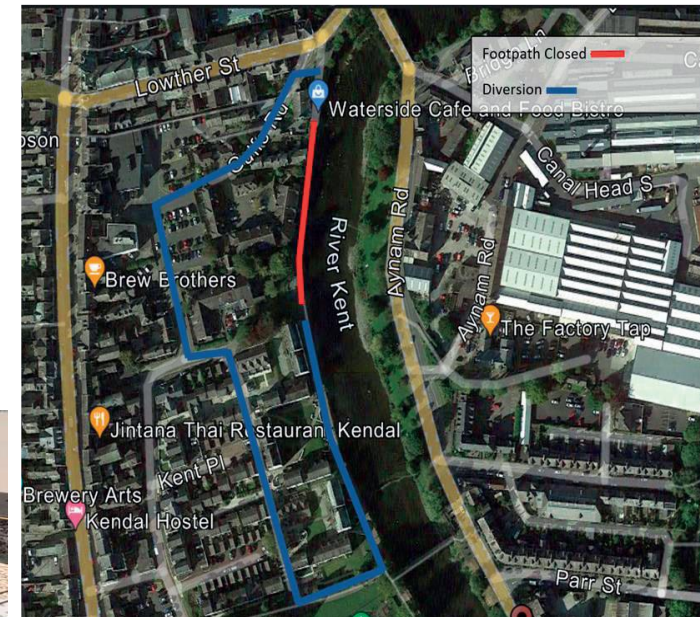
The new flood wall along Waterside is being constructed from the temporary riverside working platform which provides the working space required and protects vital services that run underground along Waterside.

The temporary bridge crossing and platform aids the construction of the flood wall. The bridge crossing provides a stable river crossing for construction traffic and materials to the work area.

The bridge and platform have been designed to with stand high river flows and poses no increase in flood risk to this area.

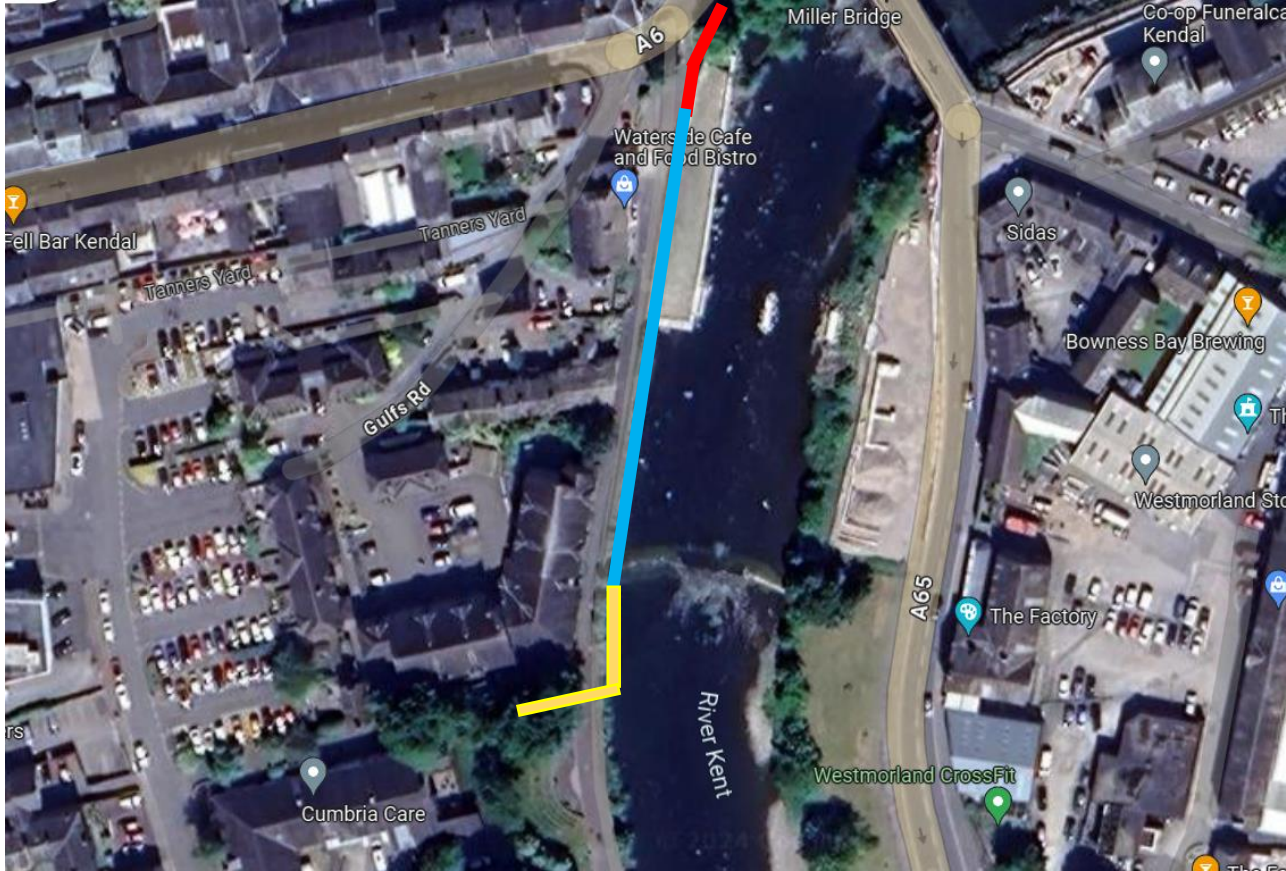
Footpath diversion

There may be times when we may have to close a section of the footpath due to our works. If this is required, the following footpath diversion will be in place.



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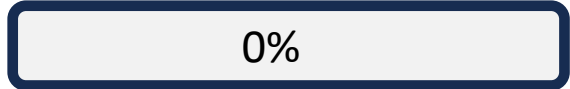
Waterside progress as of 7th October 2024



Waterside Café area



Central Waterside



Edgecombe Court area



60%



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Protecting the Environment



An Independent Ecological Clerk of Works will monitor all activities and will have a regular presence on site over the coming months. This is an important role that oversees all site preparation and construction works associated with biodiversity. This is to ensure safe working, and protection of the local environment is undertaken in accordance with legislation and best practice.

Pre-construction surveys have been carried out and include, but are not limited to; otters, breeding birds, invasive non-native species, trees and white-clawed crayfish as well as many other species such as salmon. Spawning grounds are known and monitored in respect of salmon and trout on all rivers and tributaries within the Kent catchment.

Full consideration has been given to the in-river working platform and bank stabilisation bags. Consent has been granted for these works to be undertaken and will be monitored by our Independent Environmental Clerk of Works.

All our activities around, or near European Protected Species are carried out under licence, and we will put in place measures to mitigate against impacts from any of our works. We will install environmental monitoring which will monitor noise, vibration and vehicle movements in sensitive locations so we can take further measures to mitigate against any risk of environmental harm.



White Clawed Crayfish



Otter



Kingfisher



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What's Happening this week

The Environment Agency continues to pause construction works along Waterside as we finalise the assessments and results of the piling trial which took place in August. The trial was a useful exercise to determine whether piles could be successfully installed in the bedrock along the riverside to form the foundations for the new flood wall.

Piling in this sensitive location has required a different method due to the nature of the underground conditions, the close proximity to the large sewer running beneath Waterside and the nearby riverside buildings. The methods we can use for piling are also limited by the size and weight of plant and equipment that can safely cross the River Kent using the temporary bridge. Further information on the method used can be found within this section and explained by Alex Cowin and David Park Environment Agency Project Managers.

Following the trial, a number of assessments and a survey have been undertaken and the results examined. These results have led to some refinement of the piling method in order to get the underground stability and groundwater cut off measures required without destabilising the riverside wall, neighbouring footpath and underground services. This assessment process has involved the Environment Agency, WSP design team, Volkerstevin delivery contractor, VGE and Kellers the piling specialists.

Immediate next steps will include;

- Reinstatement of the southern end of Waterside adjacent to Edgecombe Court local to the new flood gate.
- Riverside footpath along Waterside will be reopened from Monday 7th October 2024 between Edgecombe Court and Waterside Cafe whilst we await the next piling trial following refinement of the piling method.
- Further piling trial expected to take place during November to test the refined method.