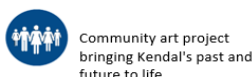


## Kendal Flood Risk Management Scheme - Preparing for Construction

The Environment Agency is delivering a proposed three phase Flood Risk Management Scheme to better protect residential and business properties from flooding in the Kent catchment and improve the local environment and community amenities. Kendal is the first phase being delivered with further phases proposed for Burnside, Staveley, Ings and upstream storage. Complementary to this, Natural Flood Management interventions are being delivered to slow the flow. Here is a snapshot of some of those benefits being delivered as part of the scheme;

### Providing flood protection and better community amenities



### Providing economic stability and growth



### Protecting and enhancing the local environment



## Preparing for Construction - Utility service diversions and street furniture removals and relocation

We started construction of the Kendal Flood Risk Management Scheme in February 2021 which is being delivered throughout Kendal in a number of small sections we term as 'reaches'. By breaking the scheme down into small sections, we are able to undertake all the necessary preparation works and construct the flood defences in a way that minimises disruption and manages flood risk as we go.

There are some locations where we are able to deliver the construction works more easily due to larger working areas, the works are not complex in nature, and there is little interference from under and overground services. Where this is the case we are able to deliver the works in some of these locations earlier on in the construction programme.

There are however, a number of locations, particularly in the central areas of Kendal, where we will have to undertake a number of preparation works before we can start building the scheme. We have to ensure that all the working areas are free from utility services, and street furniture such as seating, bins and street lighting. Where we know underground services are located and street furniture and lighting needs to be removed, we are making preparations with the service providers to divert or undertake removal and relocation works. For some of the major relocation and service diversion works, there may be a need to put in place some footpath closures / diversions and temporary lane closures on the highway.

Where we need to put in place road or lane closures to undertake these preparatory and construction works, our Traffic Management Plan which has been developed in conjunction with Cumbria County Council Highways ensures these are managed appropriately to minimise any traffic disruption. We have worked hard to ensure all road bridges will remain open for access at all times and temporary lane closures on Aynam Road and on New Road will ensure that there will always be at least one lane open at all times to keep traffic moving. Should there be any changes these will be communicated out in advance.

### Making the working areas safe

For any preparation works we will undertake ahead of construction, we will ensure that all working sites are securely fenced and signposted. There will be no public access to any of our working areas once fencing is erected and sites are made secure. Once the sites are secure, we will be undertaking a number of activities to ensure the working area is clear of debris, low level vegetation is removed, trees will be pruned to allow safe working access or removed carefully if they are located within close proximity to our defences. Before and during these activities, an Independent Ecological Clerk of Works will undertake a number of environmental and ecological assessments and oversee any vegetation and removal works.

### Protecting the environment

An Independent Ecological Clerk of Works has an important role on site as they oversee all site preparation and construction works associated with biodiversity. This is to ensure the safe working, and protection of the local environment is undertaken in accordance with legislation and best practice.

There will be a number of measures and assessments that will be put in place and undertaken to prepare for construction. Our environmental assessments have indicated where additional bird and bat boxes should be installed to create additional safe habitat during our works, with 64 bird and bat boxes installed throughout Kendal to date. Where we will be undertaking vegetation clearance, tree pruning and removal, these activities will be closely monitored to ensure they are carried out in the most sensitive way possible to minimise any harm to the local environment.

During the preparation works, environmental monitoring may be installed. In key locations, this equipment will monitor noise, vibration and vehicle movements in sensitive locations so we can keep these to a minimum. Some of these will be installed permanently during the construction, or at key points during the preparation and construction works depending on the sensitive nature of the site.

### Working hours

Our approved working hours will be Monday to Saturday from 8am to 6pm however, our intentions are to work from Monday to Friday only. We do not anticipate working outside of these hours but if we are required we will need to apply for additional permissions. For any of the diversion work and relocation work of utilities, street lighting and street furniture which will be undertaken by the service providers, their working hours may differ.



Bird & Bat box installations throughout Kendal

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