

# Kendal Flood Risk Management Scheme

Sand Aire House, Lambrigg Terrace & Melrose Place

The Environment Agency is delivering a Flood Risk Management Scheme to better protect homes and businesses from flooding in the Kent Catchment, and improve the local environment and community amenities. Kendal is the first area to be delivered, followed by Burneside, Staveley, Ings, and upstream measures including flood storage. Work began in Kendal in February 2021 and is being delivered in a number of small sections we term as 'Reaches'. To date work has been completed in 5 of these Reaches; Dockray Hall, Romney Gardens, Natland Road, Clarks Factory & Helsington Mills. We are now preparing to start construction along the riverside at Sand Aire House, Lambrigg Terrace and Melrose Place.

We are starting construction of the new flood wall along the riverside at Sand Aire House, Lambrigg Terrace and Melrose Place. The working site has been mobilised with the erection of scaffolding along the riverside taking place in early July, followed by the start of construction. We anticipate that the construction of the new flood wall in this area will take approximately 12 months to complete.

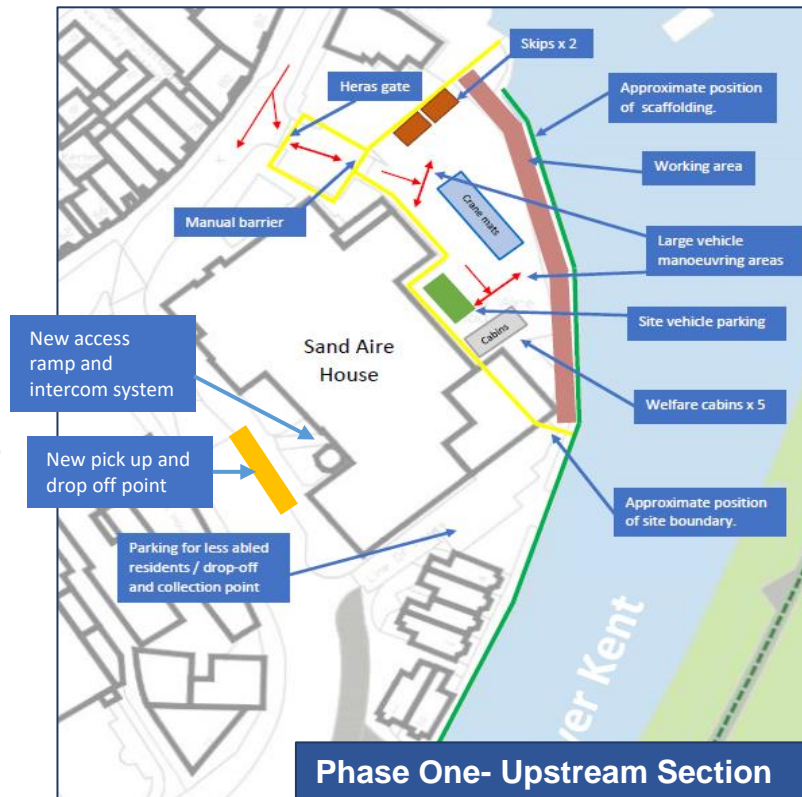
We will deliver 200m of linear flood defence wall along the riverside boundary of the River Kent from The Bridge Inn down to the new Gooseholme Footbridge. We will carry out these works in two phases, delivering the upstream section first, before moving onto delivering the downstream section.

The upstream section (phase one) of the works begins at the The Bridge Inn and finishes at the column at the bottom of the main car park of Sand Aire House. The downstream section picks up at the column and finishes beyond Melrose Place where it will tie into the new footbridge.

The adjacent plan shows the extent of the first phase of the construction, the layout of the working area and the locations of the required site welfare facilities.

The phase one extent of the construction works is identified as an orange bar on the plan running along the riverside.

The first phase works started on 6<sup>th</sup> June and are programmed to be complete by November 2022.



Phase two of the works picks up at the column at the bottom end of Sand Aire House main car park and finishes beyond Melrose Place where it will tie into the new Gooseholme footbridge.

From July, the erection of riverside scaffolding will take place with construction works of this second phase currently scheduled to start in November 2022 and be complete in May 2023.

The adjacent plan shows the extent of the downstream section (phase two) of construction, the layout of the working area and the locations of the required site welfare facilities.

The phase two extent of the construction works is identified as an orange bar on the plan running along the riverside.

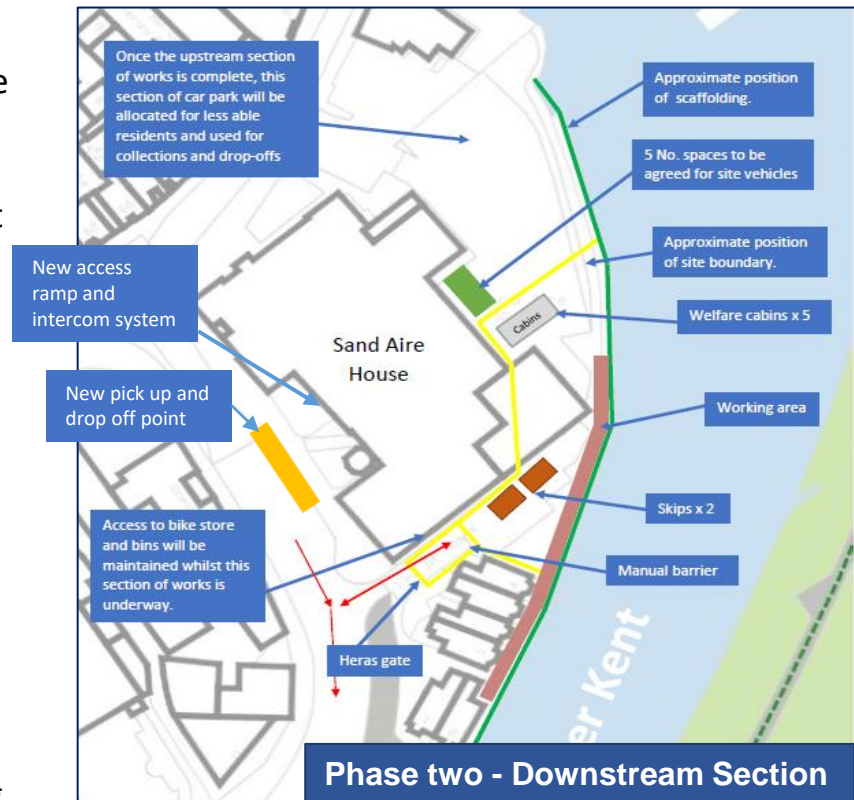
At Sand Aire House, the new flood wall is primarily a reinforced L shaped wall that runs along the existing river wall alignment. The new wall will have a maximum height of approximately 1.2m and a minimum of 0.8m. Where the wall is less than 1.1m, a 300mm handrail will be fixed to the top.

### Lambrigg Terrace

In this location, the defence is a reinforced wall that will sit above the existing river wall. The wall is less than 0.850m above ground level and will therefore have a 300mm high handrail over its full length.

### Melrose Place

The riverside elevation wall of the property itself will form the flood defence in this location. The external riverside wall will be repaired up to the finished scheme flood defence level. Downstream of Melrose Place the defence is two reinforced walls that will sit above the existing river wall. The walls will be approximately 0.7m and 1.4m above ground level, tying into Gooseholme Footbridge. The ground level next to the higher section of wall will be raised and landscaped.



All of the flood walls, once finished will be clad in natural stone sourced from a local quarry at Orton.



Natural Stone Cladding

## Construction delivery programme

Upstream (Phase one)	Activity	Downstream (Phase two)
June 22	Compound set up & enabling works.	December 22
July 22	Scaffolding erected alongside the existing river wall	July 22
August 22	Flood defence wall construction begins.	January 23
September 22	Precast wall section installation	February 23
October 22	Masonry cladding to new wall	March 23
November 22	Section complete	May 23
July 23	Scaffolding removal	July 23

This programme is accurate as of June 2022. A number of factors can accelerate or delay construction activities. If there is any change in the programme delivery, we will communicate these to you.

### Contact us

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### VolkerStevin Engage

Our new project app allows you to keep up to date on the Kendal Flood Risk Management Scheme, view construction progress, images and provide feedback.



### Keep up to date

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