



The aim of this publication is to update residents on the development of proposals to reduce the risk of flooding in the area.

Current proposal

In November 2017 we published our proposed work for the Clementhorpe area, including the formalisation of a temporary barrier on Clementhorpe. This proposal, shown in figure 1, includes:

- Raising existing walls along Postern Close by up to 60cm and the construction of a new 1.5m high flood defence wall between the Postern Close buildings;
- A new demountable defence/floodgate up to 2m high across the end of Clementhorpe;
- Flood proofing of Waterfront House;
- Additional step between Waterfront House and Dukes Wharf;
- Flood proofing and raising of the private road level at Duke's Wharf;
- A new flood wall in Duke's Wharf up to 70cm high to tie in to the newly raised road level and the newly constructed flood wall at Roomzzz;
- Increase of height to existing flood defences in the Caravan Park which will meet high ground at the North East end of Rowntree Park.

What we have done so far

Over the last year we have been working closely with our consultants, Jacobs, and local residents to further develop the potential scheme for Clementhorpe. A significant amount of work has been carried out behind the scenes for the whole city to ensure city-wide proposals being developed are technically sound and use our allocated funding for the city in the best way.

Study of the sewer network

Yorkshire Water have completed a review of their assets against our initial proposals to understand

whether there are any risks to the sewer network. This has concluded that there may be a requirement for pumping on the network during periods of high river levels and localised rainfall. Pumping will be required over the temporary barrier on Clementhorpe and on Lower Darnborough Street. A copy of a non-technical summary report is available upon request.

Site Surveys

We carried out our first phase of Site Investigations in May 2018 on Clementhorpe Road to understand the ground conditions. This produced some unexpected results as the seepage assessment did not represent issues seen for the previous Aquabarrier. As a result, we are carrying our further investigations over the next three months, see 'Next steps'.

We have also completed a range of environmental and noise surveys to inform design works and for our future planning application.

Structural analysis

Our existing proposal involves using existing riverside properties as formal flood protection. Discussions with residents and specific management companies has identified concerns regarding the construction of these buildings and their long term ability to hold water back. In response we have carried out visual structural inspections of these buildings and will be carrying out more intrusive structural investigations over the next three months, see 'Next steps'.

Learning from others

We have learnt from a Northwich flood protection scheme that uses high demountable barriers, to understand how the barriers work and are operated. We have been in contact with product suppliers to determine the best options for a barrier on Clementhorpe. We have also been in discussions with City of York Council about the operation of the asset and future emergency response activities.



Understanding the impact of our works

We have been allocated £45M to better protect properties within York. In doing so we will increase the height of some existing defences and potentially provide new measures to currently undefended areas, such as Clementhorpe. It is important that we understand the impact this will have on water levels locally and downstream. We have completed our modelling work and the findings will feed into our Flood Risk Assessment, submitted as part of our planning application.

Detailed design

To aid the detailed design of our proposed scheme, we have engaged with City of York Council and residents of the riverside properties to further understand their flood risk and initial thoughts on our proposal and any planning restrictions such as the Conservation Area status. Detailed design is ongoing and will be updated following the results of further site investigations to confirm structural suitability and ability to raise existing walls.

Community emergency plan

City of York Council Emergency Planning Team have been supporting the development of a Community Emergency Plan. Clementhorpe Emergency Committee has been set up by residents to look at how the community can respond and support each other during a flooding incident.

Information online

Our web page contains the most up to date information on the proposed scheme for Clementhorpe. This web page (link below) will be updated with our updates and engagement.

York FAS website: <https://consult.environment-agency.gov.uk/yorkshire/yorkfas/>

Next steps

Structural Site investigations

Over the next few months we will be carrying out further site investigations. These are required to ensure that we construct a sound line of protection

without compromising the structure of existing buildings in the area.

- Nov/Dec: Investigations will take place along Postern Close, Clementhorpe Road, Waterfront House and Dukes Wharf.
- January: Road closure will be required on Clementhorpe and Terry Street to enable us to gather further information from Clementhorpe and Terry Street. Works also in the Caravan Park.

The results will be used to complete the detailed design of our potential scheme.

Parking suspensions

On 10th and 11th December a parking suspension will be in place at the bottom of Clementhorpe. This is to allow us to complete our investigations. This work is being completed on our behalf by Allied Exploration and Geotechnics Limited (AEG).



Call for comments

To ensure we develop an effective engagement strategy, we would be interested to hear your views on the following:

1. What is the best way to engage with residents in your area?
2. Do you use social media to keep up to date with flood risk issues in York?
3. What existing engagement is used within your area that we could use for the purpose of this project?
4. Would you like to receive information via our electronic mailing list?

how we're reducing
the risk of flooding
for York



@envagencyyne



@YorkFAS



yorkfloodplan@ea.gov.uk

Staying in touch

We are keen to remain in touch with all residents directly or indirectly affected by flooding within the Clementhorpe area. There are a number of ways to contact us:



yorkfloodplan@environment-agency.gov.uk



Wellington Row, York YO1 6FZ
Open: Mon | Wed | Thurs 10-4

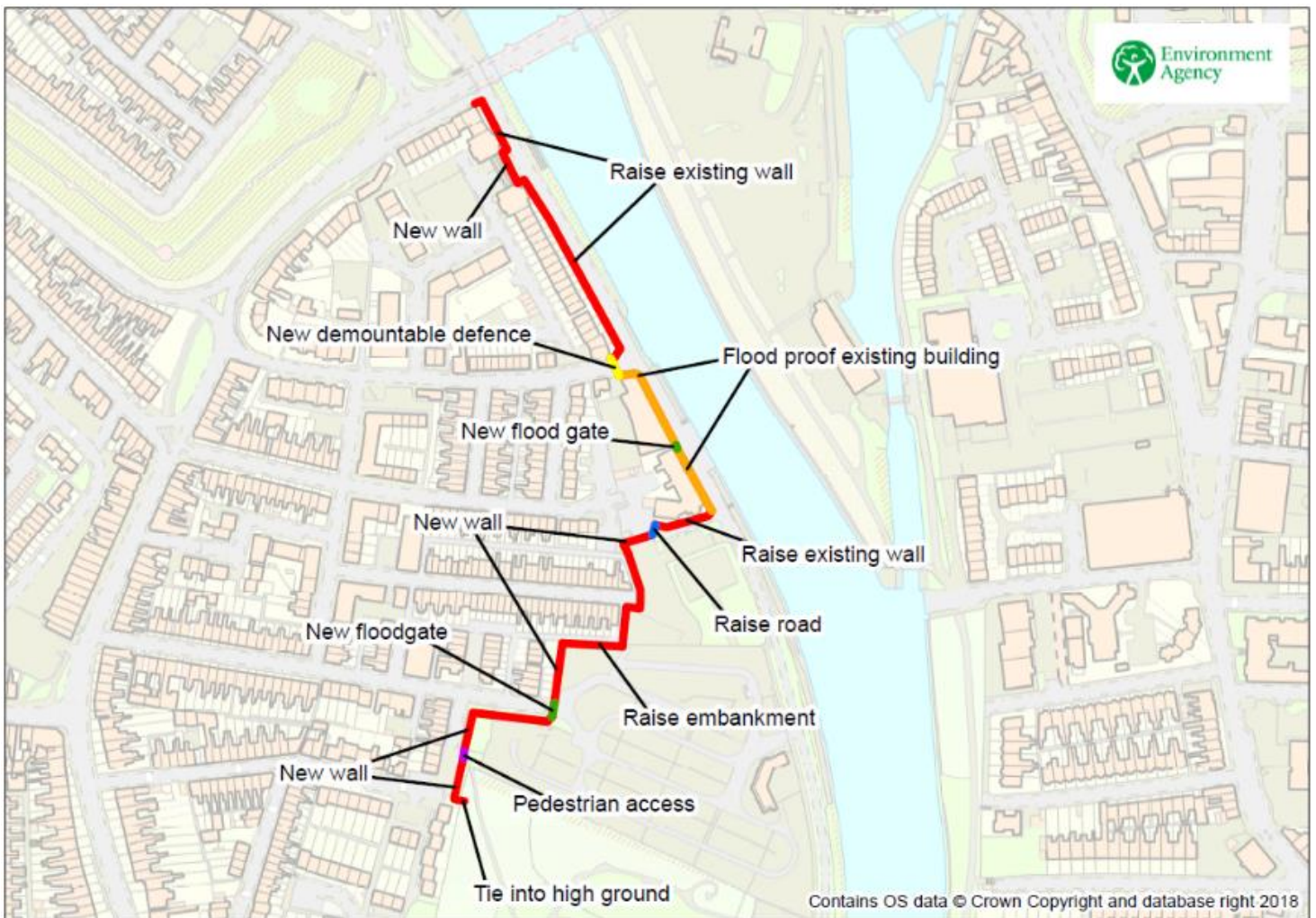


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York Flood Alleviation Scheme,
Environment Agency, Foss
House, 1-2 Peasholme Green,
Kingspool, York YO1 7PX

Figure 1: Current proposed works



how we're reducing
the risk of flooding
for York



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yorkfloodplan@ea.gov.uk