

Update for December's Executive Decision Session

This is an update of the progression made over the last three months on the flood alleviation work in York. In this update we have provided:

1. Summary of city wide flood alleviation activities
2. York FAS headline costs
3. Programme information table
4. Map of the York Five Year Plan Flood cell outlines

1. Summary of city wide flood alleviation activities

We have finished building the flood wall on Leeman Rd along the front of Memorial Gardens. The compound and all the fencing was removed in good time for preparations for this year's Remembrance parade. We have almost completed the work to raise the height of the flood wall along North Street and have started installing the larger flood gates. This work will be completed early next year and the site compound opposite the Maltings pub will be removed by February. Originally we proposed to raise the flood gates under Lendal Bridge with demountable panels. These would have damaged the Grade II listed coping stones on the bridge so we have since decided to install two new specially designed gates instead. These gates will not be in place until Spring 2020.

Earth works in the grounds of St Peters School paused earlier than scheduled due to significant rainfall leading to unworkable ground conditions. Work is due to restart next Spring once the ground conditions become suitable to work again.

The Clifton Ings Barrier Bank (Flood Cell B10) planning application was approved at the September planning committee. As requested we have set up an Advisory Group to better engage with the community, it held its first meeting on the 29th Oct and had a good turnout. Discussions were held about the planning conditions with clear actions moving forward. Meetings will continue as necessary until all the pre-commencement planning conditions have been discharged.

We have revised our planning application for Clementhorpe (Flood Cell B8) which includes the alternative underground seepage cut off method of grout injection. This will allow better continued access to pedestrians and cyclists and be less disruptive to the local residents. We are expecting this planning application to be discussed at the next CYC Planning Committee on the 16th of January.

Properties in New Walk (Flood Cell B16) who are part of the York Property Flood Resilience Scheme (PFR) have nearly all been visited by our PFR contractor Flood Technologies. We still have some details to finalise but many residents have now received their finished reports and are ready to proceed with installation.

Plans for the Foss Flood Storage Area have been submitted to planning. Throughout the autumn, we held drop-in events in Huntington, Strensall and Sheriff Hutton to provide local residents with information about our plans to build a flood storage area north-east of Strensall. We have now submitted these plans to both City of York Council and Ryedale District Council for planning approval. The planning application is available on the Council planning pages under the following reference numbers: City of York Council 19/02463/FULM and Ryedale District Council 19/01263/MFULE.

2. York Flood Alleviation Scheme headline costs

As you are aware, after the floods in December 2015, the government committed £45.2 million to reduce the risk of flooding and increase the level of protection to at least 2,000 homes in York. This was in addition to the £17 million funding for the work to upgrade the Foss Barrier.

The scope of work on the Foss Barrier has changed significantly from the original proposals. The initial emergency work to repair the damage suffered during the 2015 floods was completed in 2016. Since then we have:

- Replaced all 8 pumps with new variable speed drive pumps that will give a maximum pumping capacity of 50 m³/s.
- Carried out civil works to the existing building to accommodate the additional equipment and the operator accommodation.
- Installed two new independently sourced High Voltage electricity supplies located on the first floor of the building.
- Installed 5 new back-up generators to maintain operation of all 8 pumps at maximum capacity in the event of power failure.
- Installed a security system including remote monitored cameras and a biometric locking mechanism to the doors.
- Replaced the river level telemetry and installed a new Foss flow gauge to allow the auto operation of the site.

We are still to:

- Install a new lifting gate to a new height of 10.85mAOD.
- Raise the height of the floodwall between the hotel to Skeldergate Bridge to the new level of 10.85mAOD including the installation of a pedestrian floodgate.

The current scope costs for completing works to the Foss Barrier are £38 million.

Forecast costs for delivering the full programme for the remaining Flood Cells is £51 million. Further funding will be required to complete all work. We have submitted a bid for additional funds into the next project funding period.

3. Programme Information Table

Flood Cell	Estimated total cost (£k)	Full Business Case	Planning Permission	Construction Start and est. period	No. of properties
B4 - Scarborough to Ouse Bridge (Right Bank)	2,557	Approved by LPGR Apr 2019	Planning application was Approved 5 th March 2019	4 th June 2019 6 months	39
B7 - Queen's Staith and Skeldergate	Not yet approved	TBC	TBC	TBC	16
B8 - Clementhorpe South Bank	8,079	Approved by LPGR Jun 2019 Approved by LPGR Aug 2019	Planning application has been submitted. Determination Deadline was 17 th May 2019 Planning Committee TBC	Planned Aug 2019 – delayed due to planning process 18 months	148
B9 - Fulford	CYC to lead on delivery and funding				
B10 - Clifton & Rawcliffe	12,428	Planned submission Oct 2019	Planning application was Approved Sep 2019	Planned Jun 2020 24 months	140
B11 - Coppins Farm to Scarborough Bridge (Left Bank)	3,664	Approved by LPGR May 2019	Planning application submitted Nov 2019.	July 2019 – ST Peters School field 2 construction seasons	156
B12 - Scarborough Bridge to Lendal Bridge (Left Bank)	1,672	Approved by LPGR May 2019	Planned submission Spring 2020	Planned Jun 2021 3 months	57

B15 - King's Staith to Skeldergate Bridge	475	Approved by LPGR Aug 2019	Not required	Property surveys planned early 2020 followed by installation	24
B16 - New Walk	1,000	Approved by LPGR Aug 2019	Not required	Installation start planned end of 2019	55
C1 - Bishopthorpe	790	Planned submission Jan 2020	Planned submission Dec 2019	Planned Mar 2020 4 months	117
C2 - Acaster Malbis	235	Approved by LPGR Aug 2019	Not required	Property surveys planned early 2020 followed by installation	6
C3 - Naburn	Not yet approved	TBC	TBC	TBC	37
F4 - Tang Hall Beck F5 - Osbaldwick Beck	8,000	Planned submission Aug 2020	TBC	Planned Oct 2020	263
F8 - Groves to Haley's Terrace F10 - Haley's Terrace to Link Road F11 - Link Road to Ring Road	13,640	Planned submission Apr 2020	Planning application submitted Dec 2019.	Planned Spring 2020 18 months	490
F9 - South Beck	This cell being removed from the programme due to there being no viable option and no history of flooding.				
F12 - Westfield Beck	3,533	Planned submission Nov 2020	TBC	Planned Feb 2021	56

Key

Confirmed

Planned/expected

4. Map of the York Five Year Plan Flood Cell Outlines

