

Liggat Syke, Broxburn, Flood Protection Scheme

Initial Community Engagement, September 2021



Preface

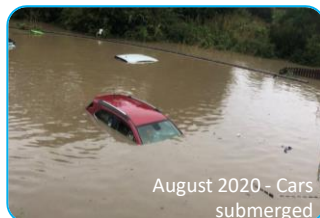
A Flood Protection Scheme (FPS) is currently being promoted in this part of Broxburn, with the aim of reducing the risk of flooding to residential properties from the Liggat Syke.

The Council is engaging with local people and statutory consultees as part of an appraisal-led design.

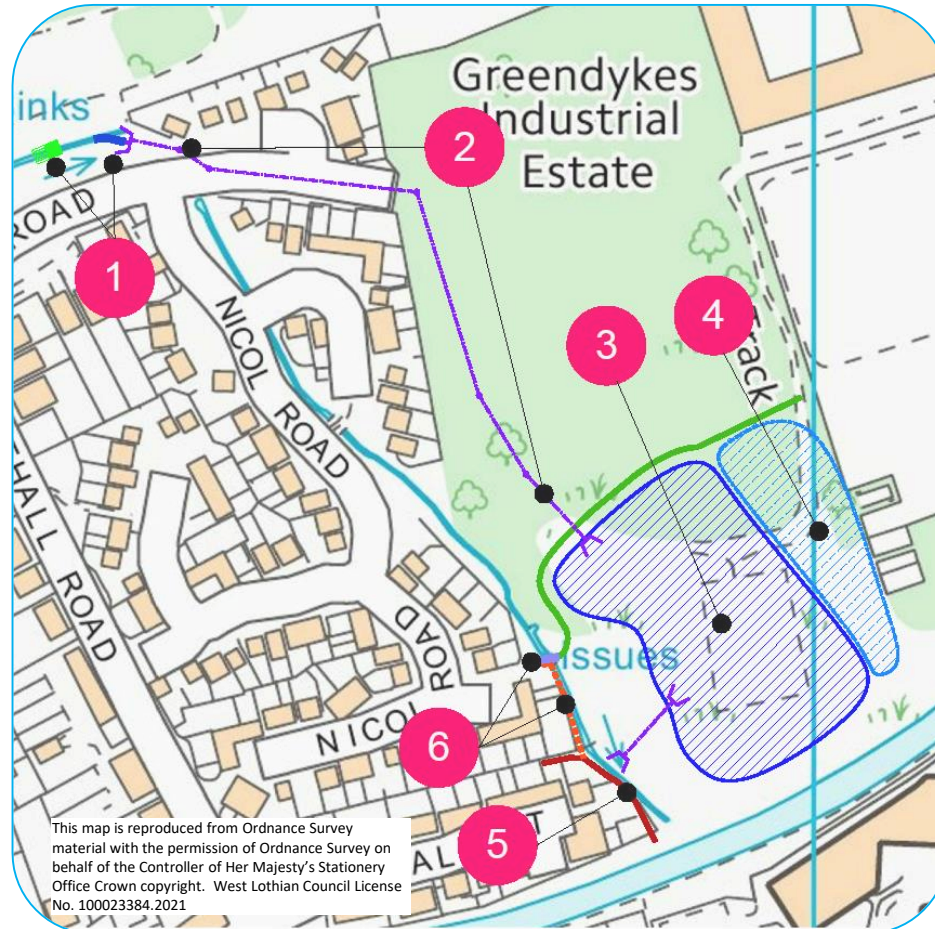
The information presented is intended to tell you why a flood protection scheme is required, share the current proposals with you and encourage you to tell us what you think about them.

Need For Scheme

- ❑ In recent years, there have been a number of incidents, which have resulted in flooding from the Liggat Syke
- ❑ Two of these events occurred in 1998 and 1999. These were the result of vandalism, whereby the inlet of culvert beneath the Union Canal was intentionally obstructed
- ❑ Following these events, measures were put in place to improve the culvert inlet, install level sensor telemetry and a webcam trained at the new arrangement
- ❑ On the 27th August 2020, intense rainfall fell in northern Broxburn, which resulted in a localised flooding from the Liggat Syke



Proposal Layout



Amenity Aspects

- ❑ The proposed scheme would be sympathetic to the area, with appropriate planting and screening
- ❑ Existing footpath connectivity will be maintained by diverting existing footpaths where required. The opportunity for further enhancement of these public spaces and footpath networks would be investigated
- ❑ Feedback received from statutory consultees and local people during the consultation period will inform the landscape design and footpath configuration

Proposal Description

- 1** **Trash screen & replacement headwall** to the north of Clarkson Road. The headwall will include an overflow arrangement. During normal flow conditions, water would freely pass beneath the road as it does currently;
- 2** **Flood relief culvert**, during high-flow conditions exceedance will be diverted east by an underground culvert;
- 3** **Flood relief basin**, exceedance will be conveyed to a basin in the former candle works site by the flood relief culvert;
- 4** **Additional storage area**, would be considered as part of the design process;
- 5** **Flood wall**, the existing informal flood wall to the rear of Pyothall Court will be replaced &
- 6** **Additional flood wall**, will be considered as part of the design process. If required existing culvert/footpath arrangement, which currently allows connectivity to Greendykes Industrial Estate would be replaced.

Engagement & Support

This project is intended to have a very positive impact on the local area. We would like to hear **your views** to help shape what is proposed and ensure that it meets the needs of the community. As part of ongoing design process, there will be an opportunity to speak to us and the wider design team.

Web addresses to Council report and contact details can be found below:

<https://tinyurl.com/25tkh55j>

floodriskmanager@westlothian.gov.uk