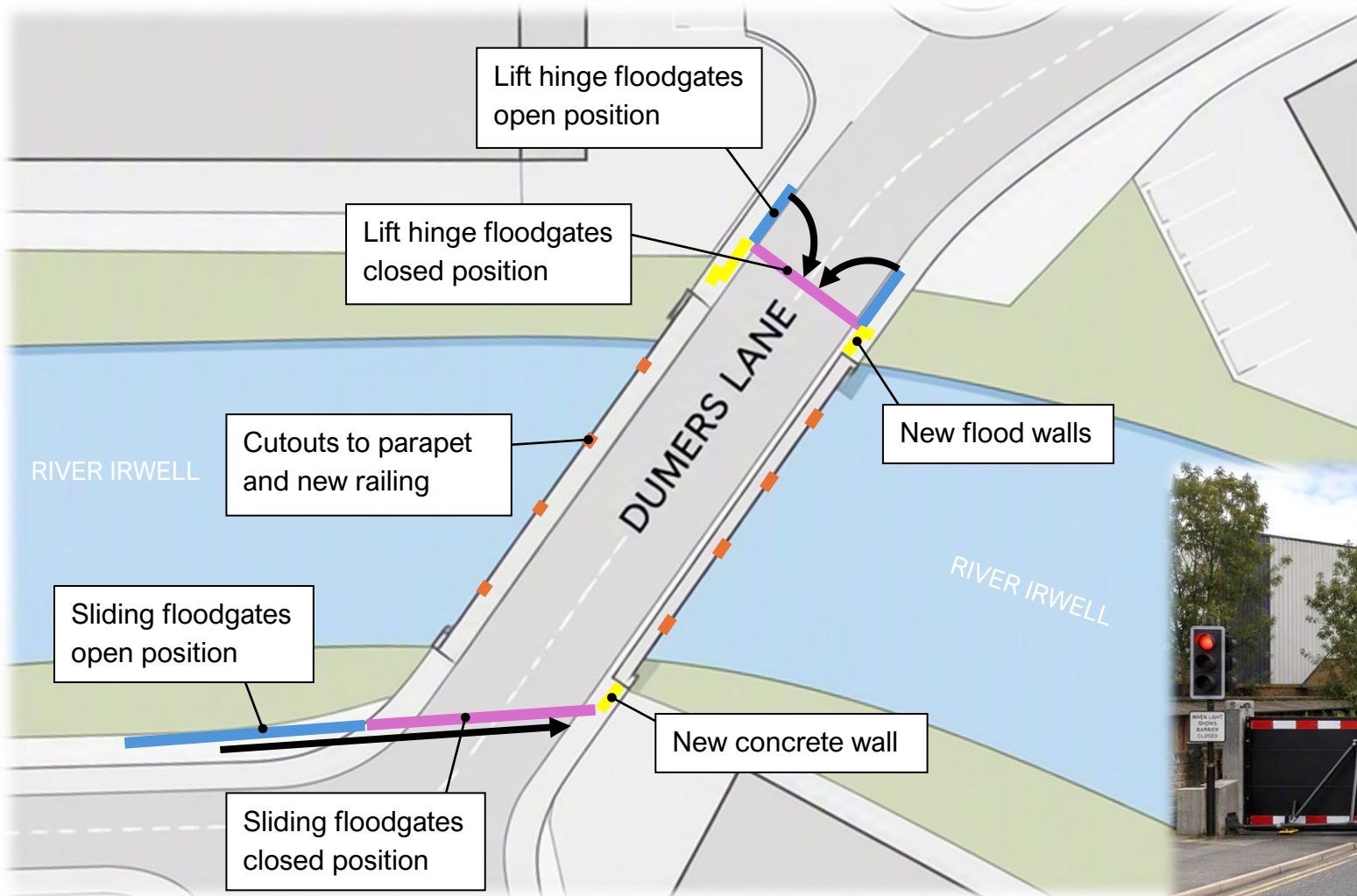


# Floodgates Overview



**North Floodgates** – lift hinge gates, stored behind the footway and will seal together in the centre of the road

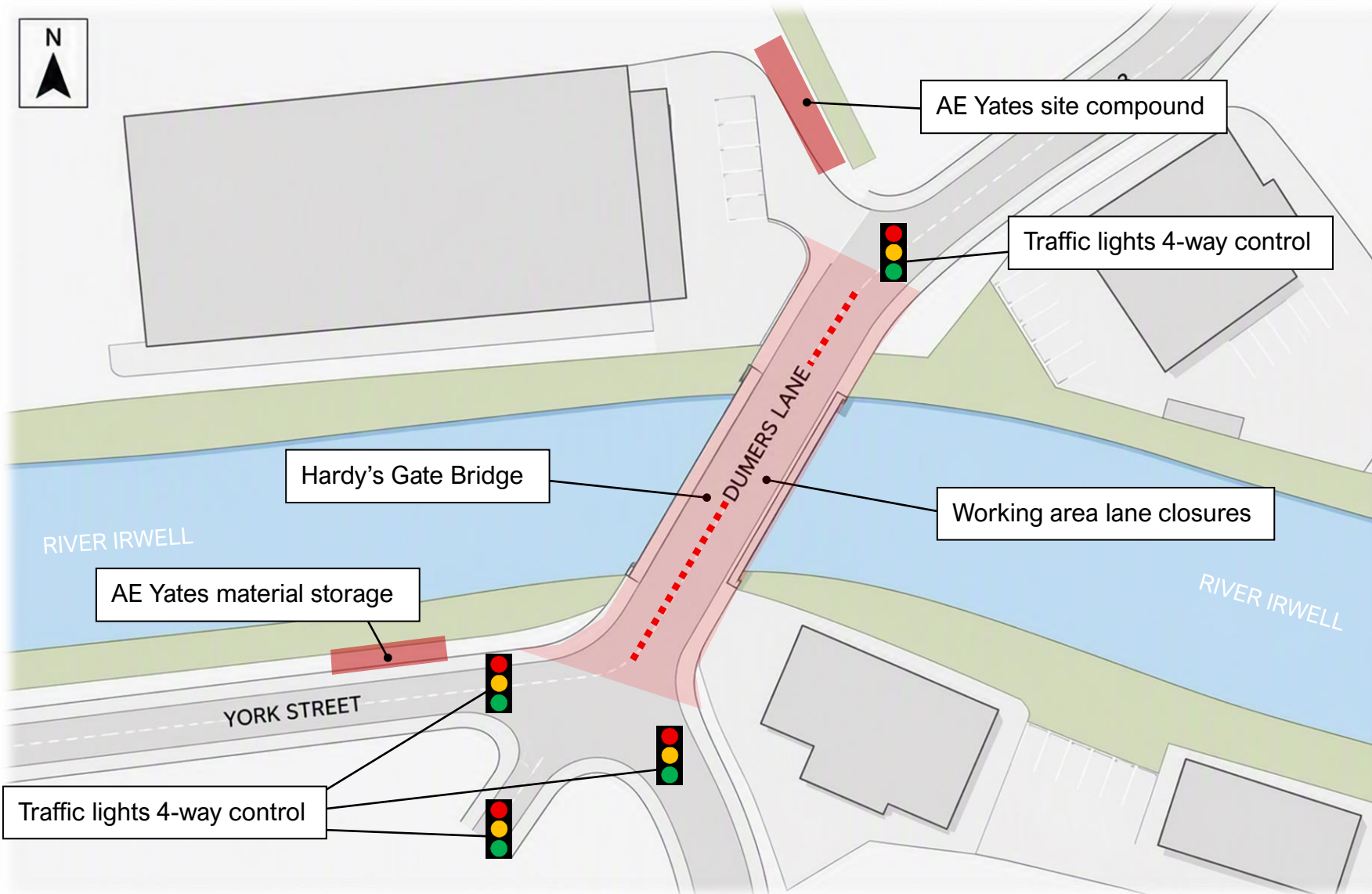
**South Floodgates** – sliding floodgates, stored south-west of the bridge and will slide across the road to close

**New concrete flood walls** – for the floodgates to seal against and join to existing defences

**Cutouts to the bridge parapets** – floodwater will flow onto the bridge surface and be held behind floodgates



# Traffic Management



The Hardy's Gate Bridge floodgates work will require traffic management for the majority of the estimated 7 month construction duration.

A Traffic Management Plan has been shared with Bury Council, and this will involve four-way control, from Dumers Lane (both directions), York Street and Gate Lane.

Unfortunately, this is necessary to allow our contractor to be able to work safely for construction of the flood gate foundations.

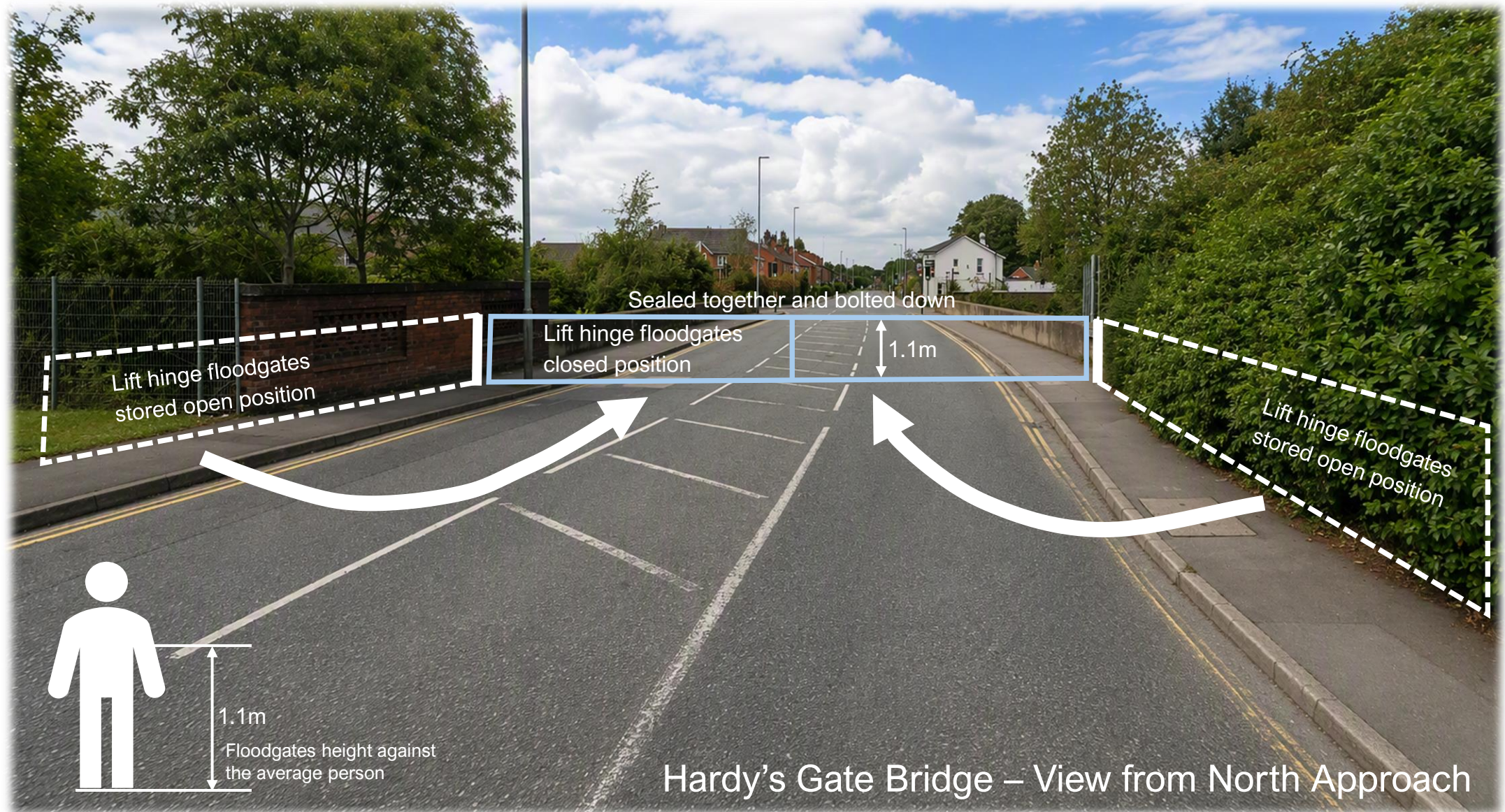
The traffic management will be monitored throughout the construction phase, to try and ensure the best possible timings and sequencing are achieved.

We understand that travel times for the local community will be impacted and apologise for this upcoming disruption.

# South Floodgates



# North Floodgates



# Construction Timeline

Construction will be undertaken by AE Yates Ltd, an approved supplier to the Environment Agency. The programme is expected to be as follows, though may be subject to change:

| Activity                                  | Sep-26         | Oct-26                                 | Nov-26 | Dec-26 | Jan-27 | Feb-27 | Mar-27 | Apr-27 |
|-------------------------------------------|----------------|----------------------------------------|--------|--------|--------|--------|--------|--------|
| Electricity North West (ENW)              | Remaining Work |                                        |        |        |        |        |        |        |
| Cable Diversions & Replacements           | •              | •                                      |        |        |        |        |        |        |
| AE Yates Ltd, working on behalf of the EA |                | Approx. 7 month construction programme |        |        |        |        |        |        |
| Traffic Management                        |                | •                                      | •      | •      | •      | •      | •      | •      |
| North Floodgate Walls & Foundations       |                | •                                      | •      | •      | •      | •      |        |        |
| North Floodgate Installation              |                |                                        |        |        |        |        | •      |        |
| South Floodgate Walls & Foundations       |                | •                                      | •      | •      | •      | •      | •      |        |
| South Floodgate Installation              |                |                                        |        |        |        |        |        | •      |
| Testing & Commissioning                   |                |                                        |        |        |        |        |        | •      |

Due to the complex construction work required for the floodgates at Hardy's Gate Bridge, the project has required Electricity North West (ENW) to divert high voltage cables through the bridge, prior to being able to start the floodgates work.

We have been working closely with ENW and our partners, Bury Council, to confirm the phases of work at each stage.

# Operational Procedures

## Emergency / Operational Procedures – Environment Agency & Bury Council

We are working closely with Bury Council, to finalise the operational procedures for deploying the gates (only when necessary).

In the event of severe weather causing a very high river level, this would require a pre-planned road closure to be implemented by the Council, both to protect the safety of road users and allow the flood gates to be closed by EA operatives. A diversion route would be put in place by the Council.

We expect to be able to share further details of these operational procedures with the public in future communications.

## Flood Warnings

Once Phase 3 at Hardy's Gate Bridge is complete, the flood warning areas will be updated again to reflect our latest understanding of flood risk in the community. If you are currently registered to receive a flood warning in this area you will be automatically transferred to the new warning area which covers your property. This will ensure that you continue to receive future flood warnings which are relevant to you.

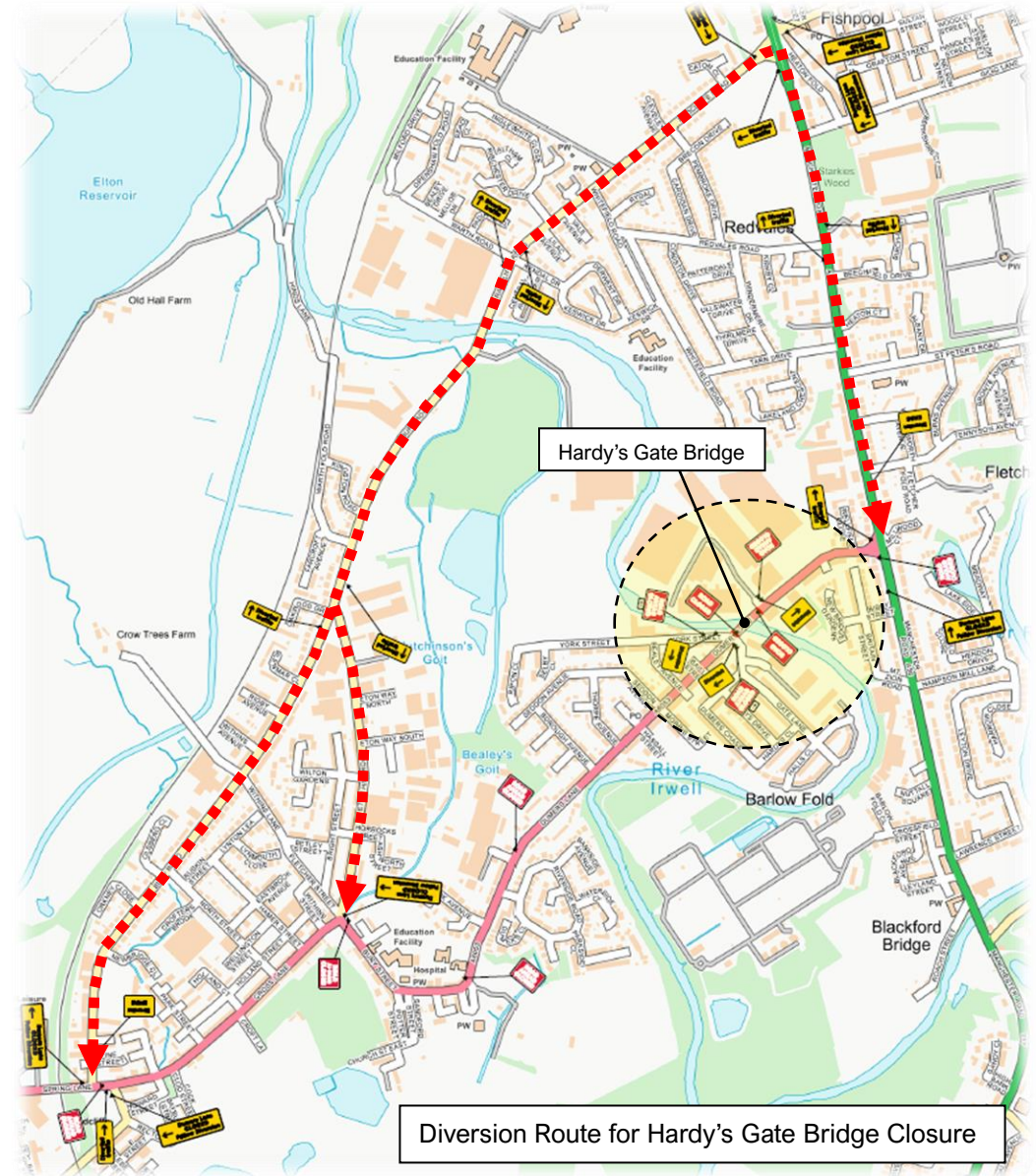
Please note that if you do receive a flood warning in the future, it may now have a different name to what we have previously issued. If you would like further information on the new flood warning area names, please email:

[FloodResilienceGMMC@environment-agency.gov.uk](mailto:FloodResilienceGMMC@environment-agency.gov.uk)

If you are not currently registered to receive Flood Warnings, please call Floodline on 0345 988 1188, or visit our website:

[www.gov.uk/sign-up-for-flood-warnings](http://www.gov.uk/sign-up-for-flood-warnings)

We will register your preferred contact details.



# Phases of the Project

The Environment Agency's Radcliffe & Redvales Flood Risk Management Scheme (FRMS) reduces the risk of flooding to 940 residential properties and 220 non-residential properties from a 1% annual exceedance probability (AEP) event\*.

Most of the construction works were completed by July 2023 and 520 residential properties are already better protected. Hardy's Gate Bridge floodgates are an essential requirement to reduce the risk of flooding to all residential and non-residential properties intended under the Radcliffe & Redvales scheme. This is the final phase of the project.

| Radcliffe & Redvales Flood Risk Management Scheme (FRMS)                                                                                                                                           | Completion  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <b>Phase 1</b><br>Construction of linear defences at Close Park and on Dumers Lane                                                                                                                 | 2021        |
| <b>Phase 2</b><br>Construction of linear defences along the Irwell at the Chemical Works, Redvales Business Park, Bury Point, Warth Road, Keswick Drive, Lower Hinds and up to Hardy's Gate Bridge | 2023        |
| <b>Phase 3</b><br>Removal of Hinds Weir and construction of floodgates at Hardy's Gate Bridge                                                                                                      | Spring 2027 |

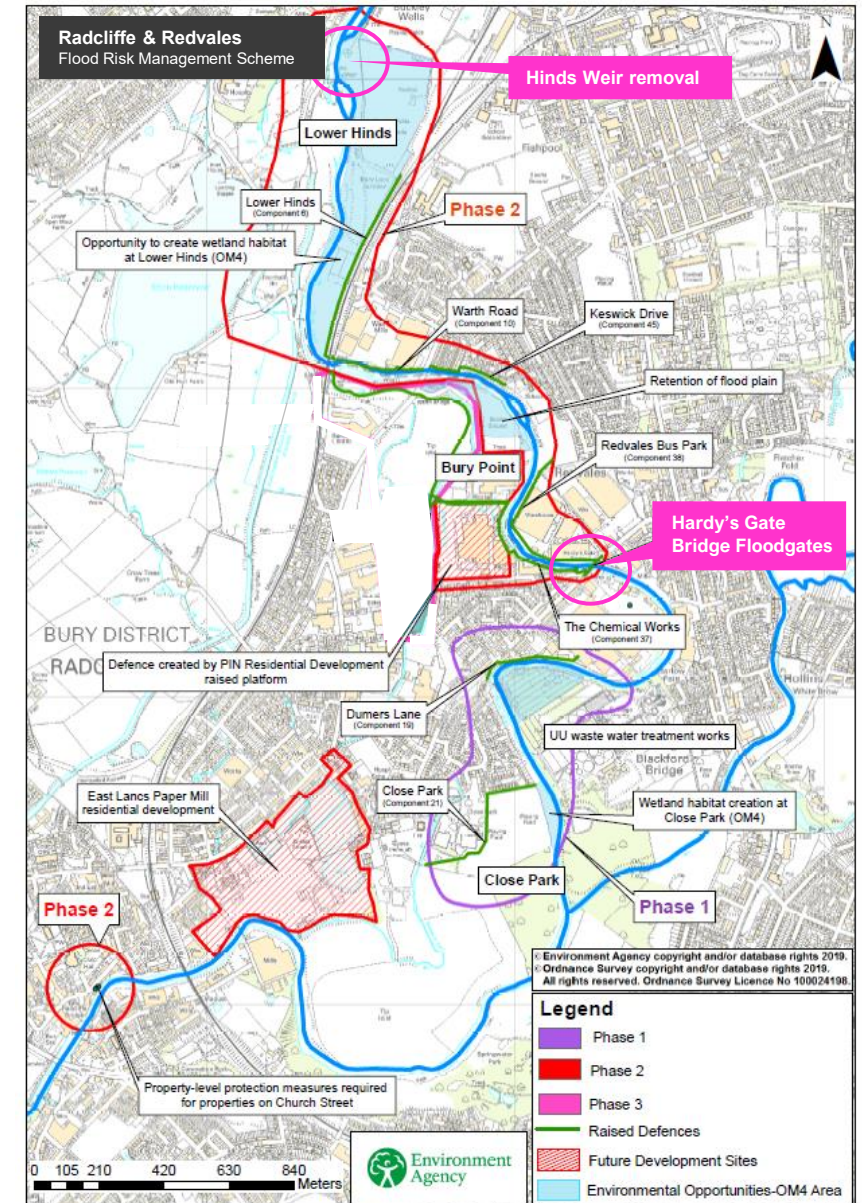
\* AEP (Annual Exceedance Probability) equates to the odds of a flood occurring this year:

- 1% AEP flood = a 1 in 100 chance of happening in any year
- 2% AEP flood = a 1 in 50 chance of happening in any year
- 10% AEP flood = a 1 in 10 chance of happening in any year

A 1 in 100 year flood does not mean it only happens once every 100 years.

It means there is a 1% chance every year. So:

- It could happen this year
- It could happen again next year
- It might not happen for many decades



# Information for the Community



We will continue to produce newsletters and hold public drop-in sessions linked to key stages of the project.

Please visit <https://thefloodhub.co.uk/radcliffeandredvalesfas/> for up-to-date project information or scan the QR code shown.

If you would like more information about flood risk, you can email:  
[FloodResilienceGMMC@environment-agency.gov.uk](mailto:FloodResilienceGMMC@environment-agency.gov.uk)

Visit our website for further information:  
<https://www.gov.uk/prepare-for-flooding>

Bury Council's website for flood risk information is:  
[www.bury.gov.uk/flooding-advice](http://www.bury.gov.uk/flooding-advice)

You can also follow the Environment Agency on X:  
[@EnvAgencyNW](https://twitter.com/EnvAgencyNW)

If you are outside the flood area and would like to be kept up to date with the Radcliffe and Redvales Flood Risk Management Scheme via email, please email [radclifferedvales.frms@environment-agency.gov.uk](mailto:radclifferedvales.frms@environment-agency.gov.uk) to be added to the mailing list.



# Flood Warning

Are you at flood risk? Find out here:

[Flooding - GOV.UK](#)

Get free flood warnings, sign up today!!

[Get flood warnings by text, phone or email - GOV.UK](#)



## Flood warnings for England

3:42pm Thursday 22 October 2020

Show warnings near a location

0

### Severe flood warnings

Severe flooding - danger to life



0

### Flood warnings

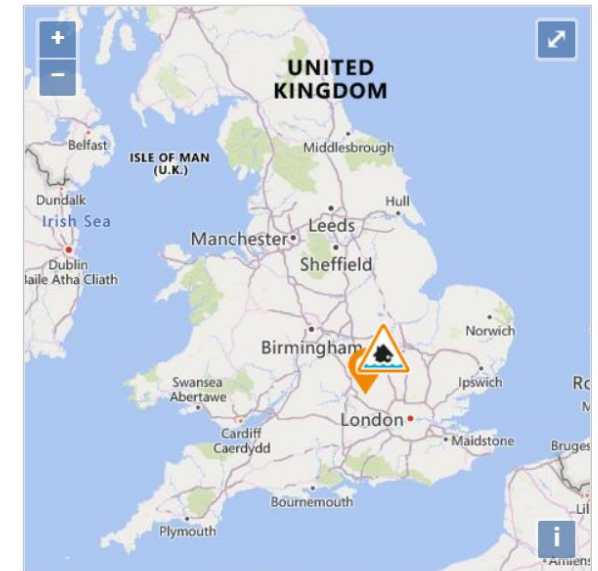
Flooding is expected - immediate action required



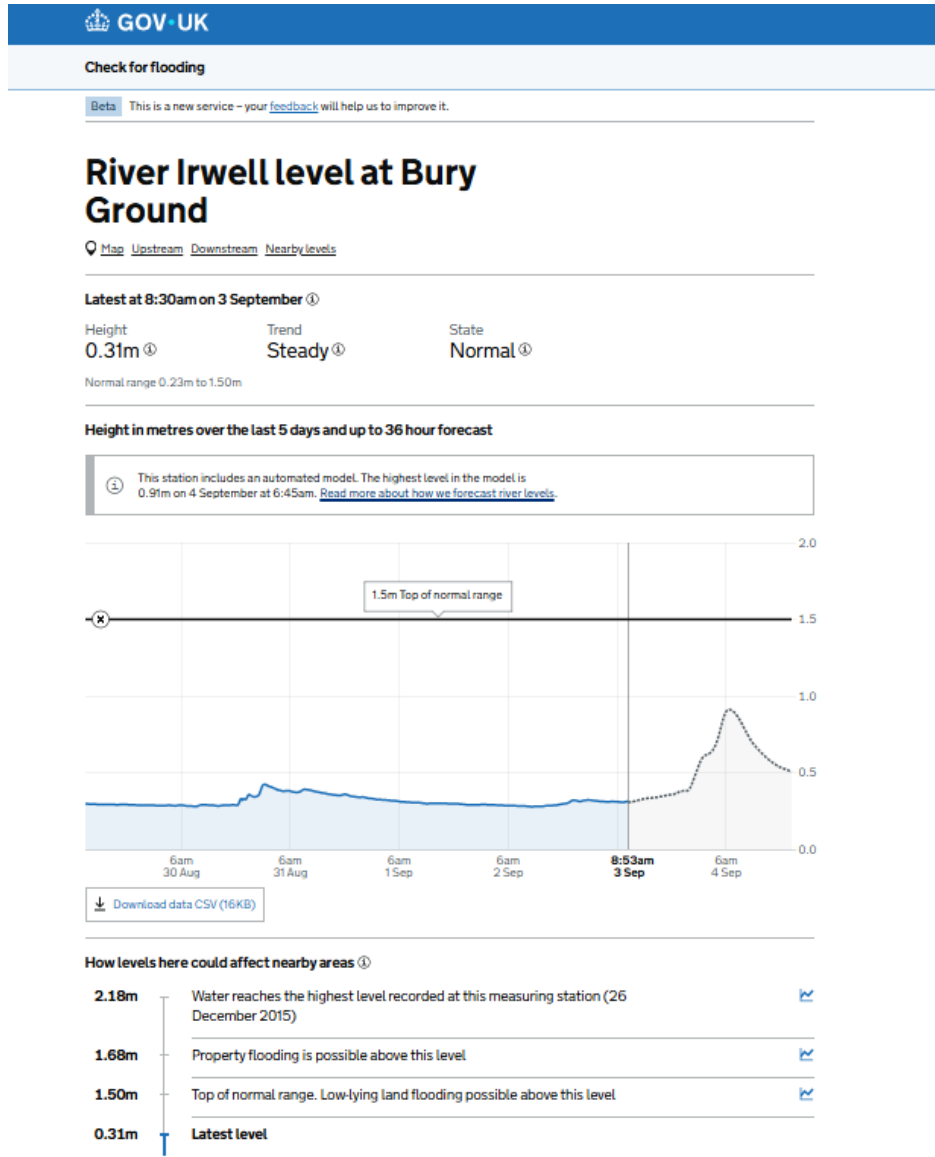
1

### Flood alerts

Flooding is possible - be prepared



# River Level on the Internet



The Environment Agency's River Levels Service is a free online tool that provides near real-time information on river, sea, groundwater and rainfall levels across England.

It helps communities, emergency responders and partner organisations monitor changing conditions, understand local flood risk and make informed decisions before, during and after flooding incidents.

