

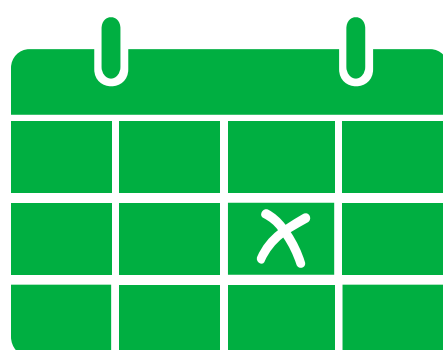
Padiham Flood Scheme Overview



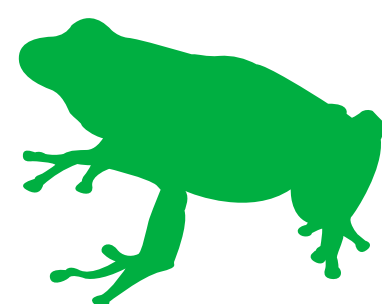
Will directly protect **over 90 homes** and **70 businesses** from a flood similar in size to the Dec 2015 event



£9 million estimated cost
£65 million+ generated and saved in direct local economic benefits



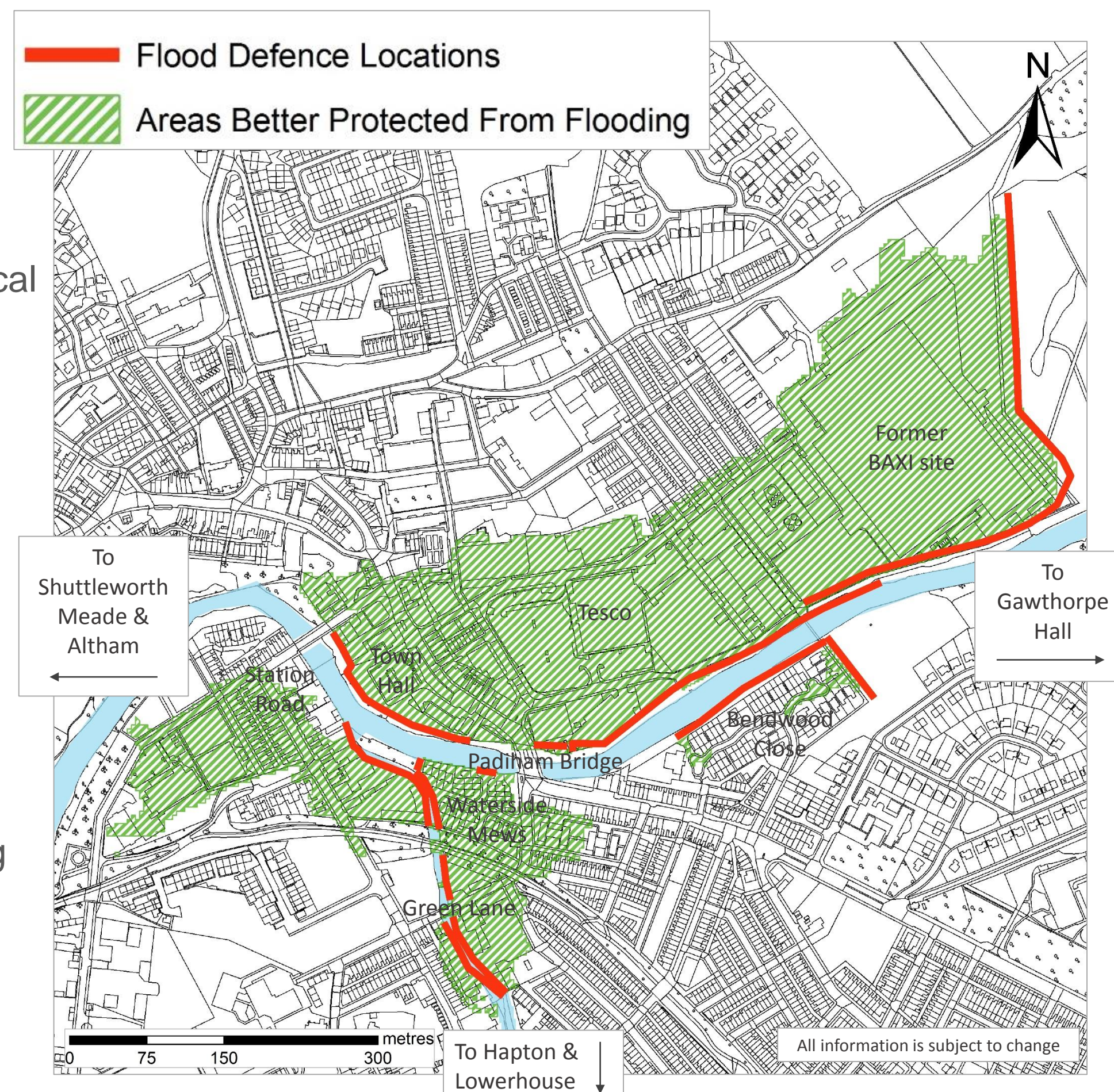
2017-19	Initial funding secured, investigations and outline proposal completed
2019-20	Public consultation and additional required funding secured
2020-21	Detailed designs, planning permission, consents, agreements and approvals
2021-	Construction starts (pending approvals)



Keeping riverside paths and improving **wider natural habitat and amenity value** by working with Burnley Borough Council, Ribble Rivers Trust and Pendle Hill Landscape Partnership



Construction aiming to **start in 2021** (pending approvals, planning and funding)



In partnership with:



Lancashire
Enterprise Partnership



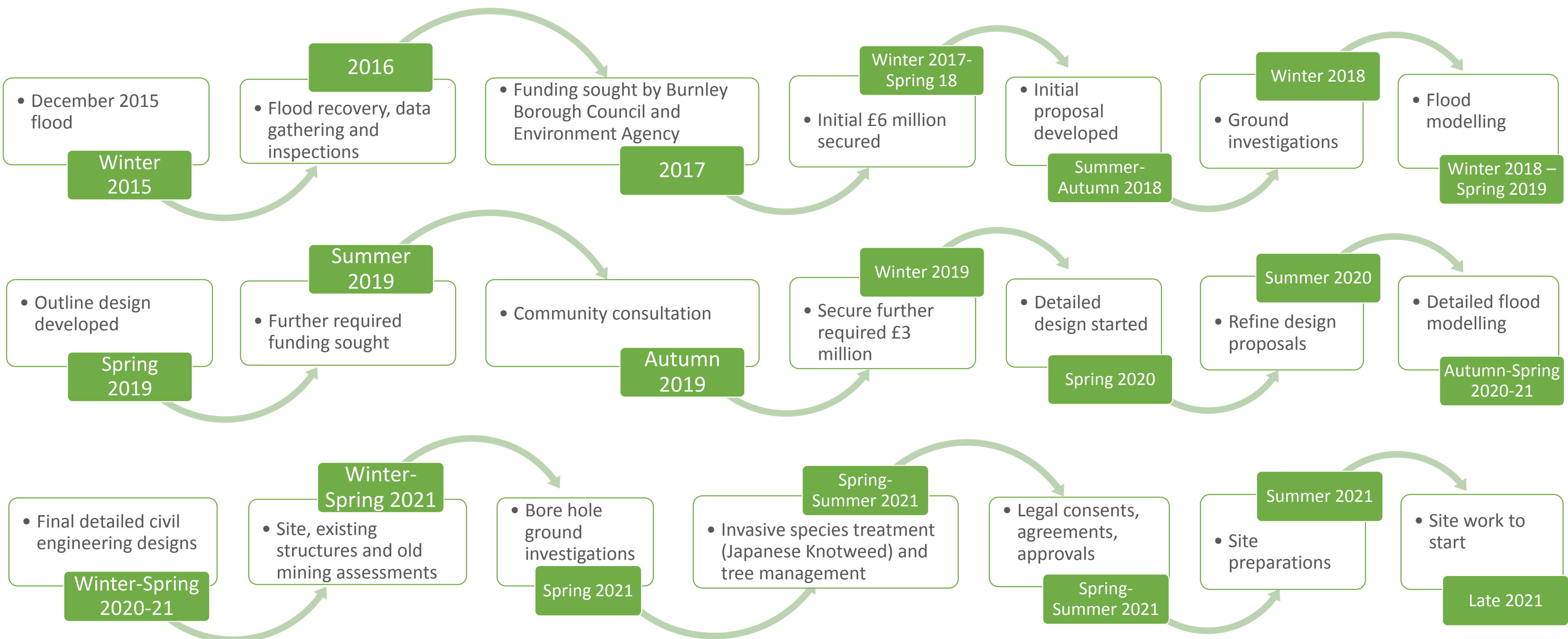
European Union
European Regional
Development Fund



What has been completed and what are the timescales?

These steps must be undertaken to ensure the cost-beneficial and fair spending of tax payer money

This is a one time opportunity for flood defences in Padiham. We must get the design right to ensure the optimum standard of protection in the future



These steps are in-line with the Flood and Coastal Erosion Risk Management Appraisal Guidance which is how flood schemes in England are delivered using public money

All legally required planning, consents, agreements and approvals must be completed

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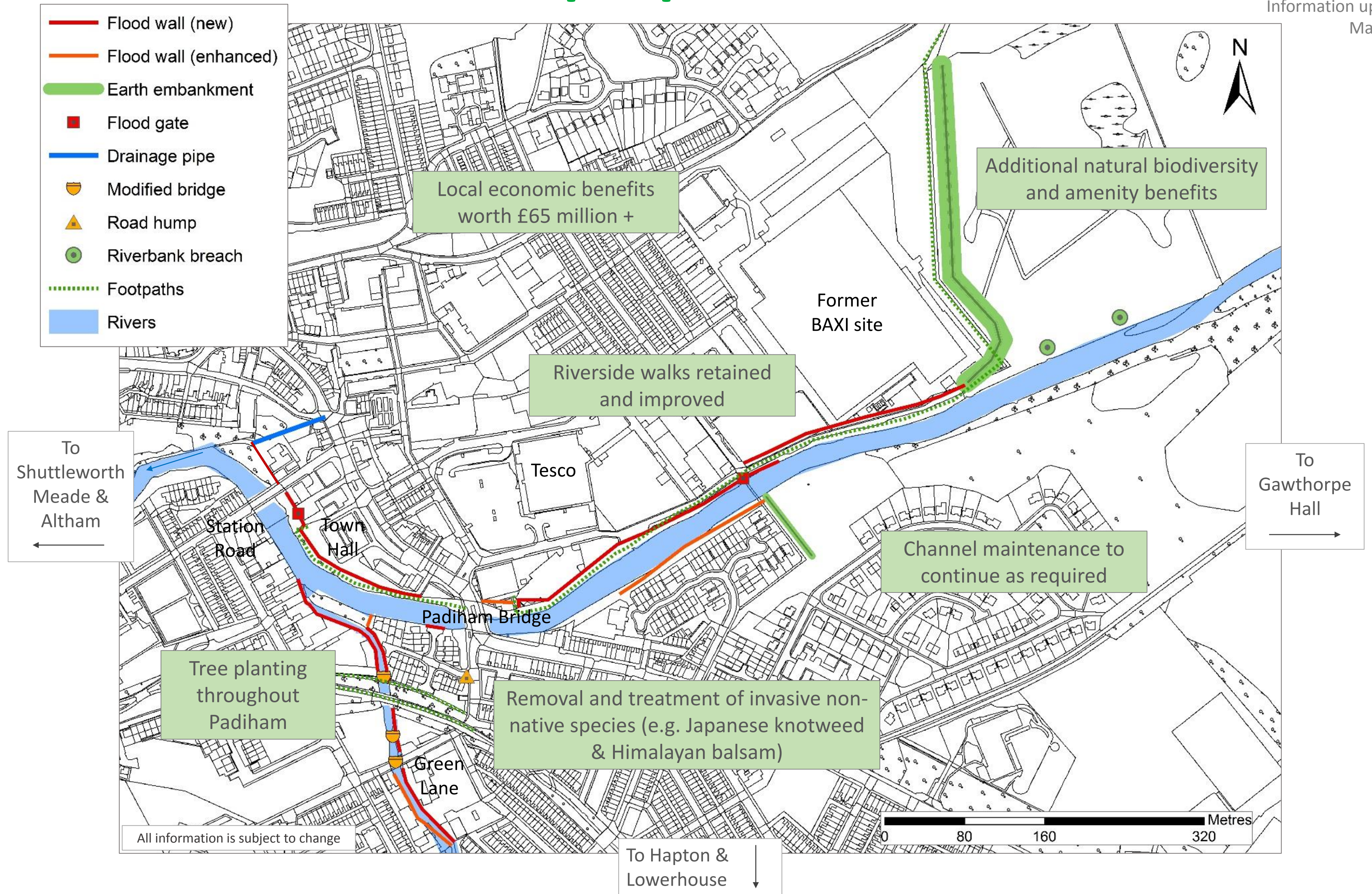
European Union
European Regional
Development Fund



What are the proposals for Padiham?

All information is subject to change

Information updated
Mar 2021



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European Union
European Regional
Development Fund



What could the flood walls look like?



Cockermouth
(flood gates and access)



Warrington
(art work and railing)

Carlisle
(setback walls (to the left) to maintain path next to river)



**EA Fluvial Design
Guide**
(Garden walls)

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Jacobs
Challenging today.
Reinventing tomorrow.

What could the flood walls look like?



Fazeley, Tamworth
(Garden walls)



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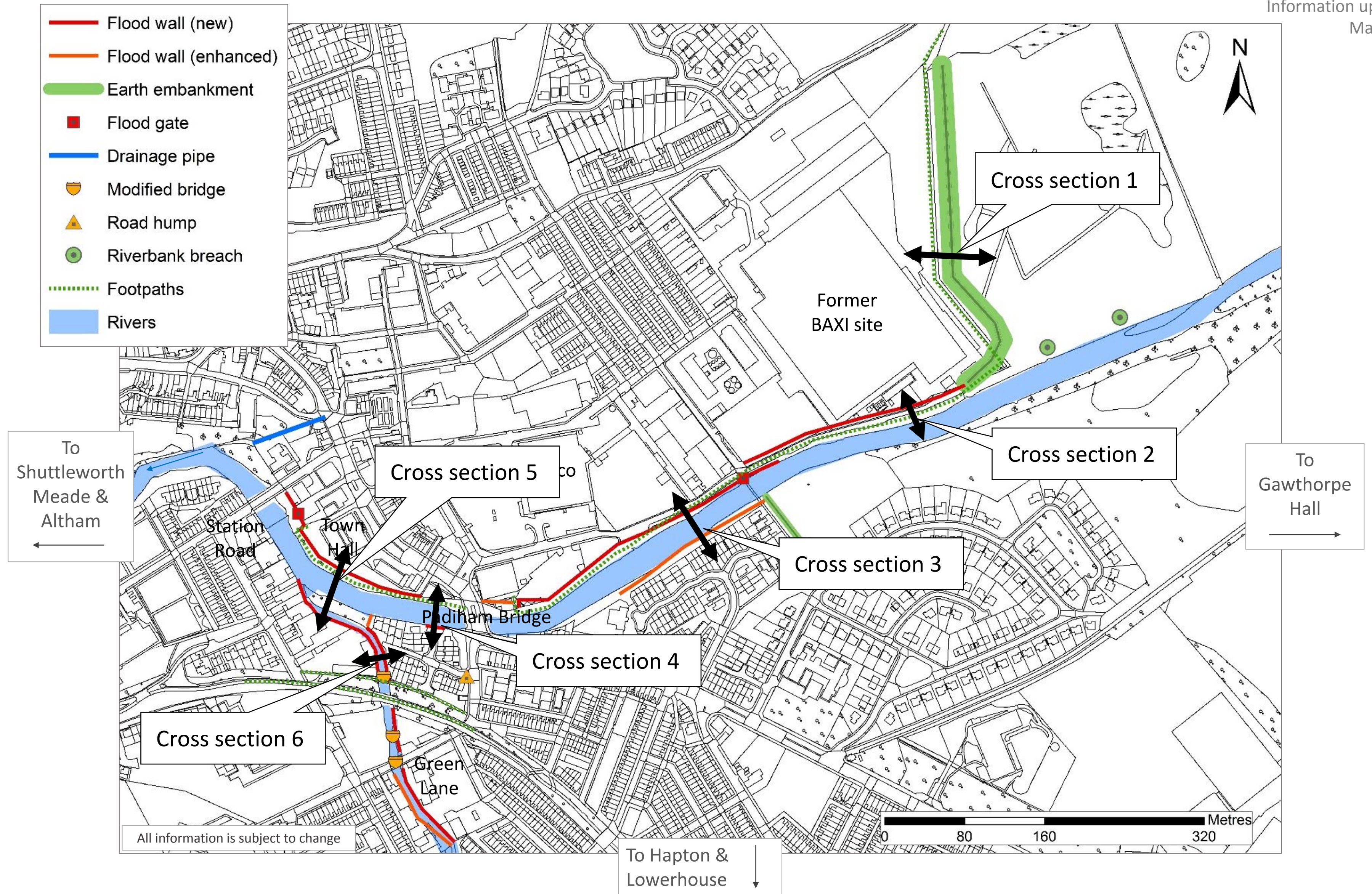


Jacobs
Challenging today.
Reinventing tomorrow.

Cross-sectional plans of the proposal

All information is
subject to change

Information updated
Mar 2021



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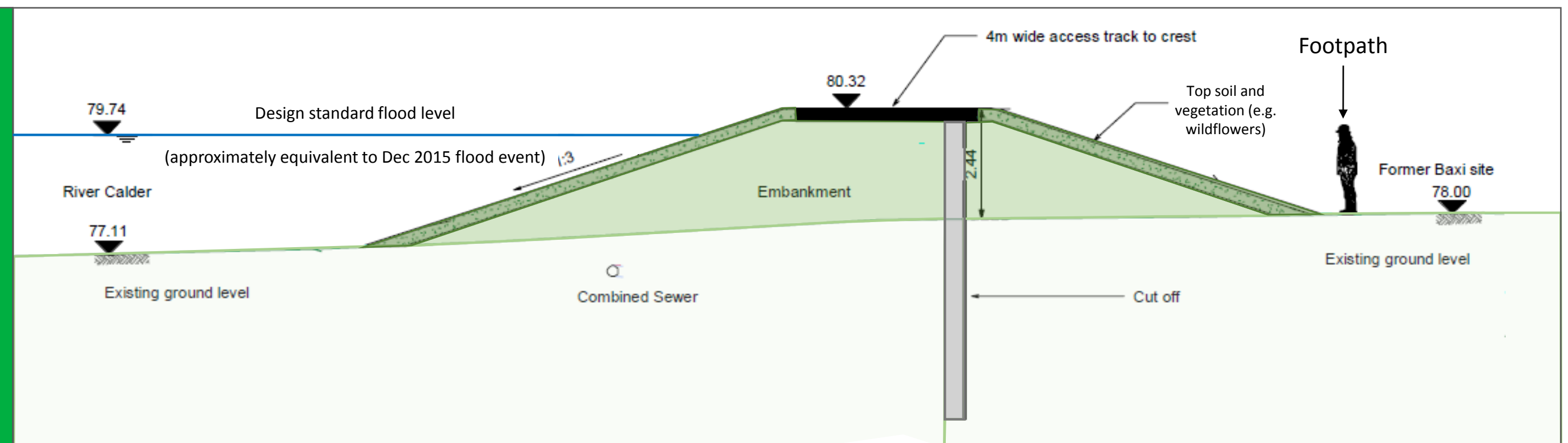


What are the current proposals ahead of detailed design and planning?

All information is subject to change
Information updated Mar 2021
Levels in metres above ordnance datum

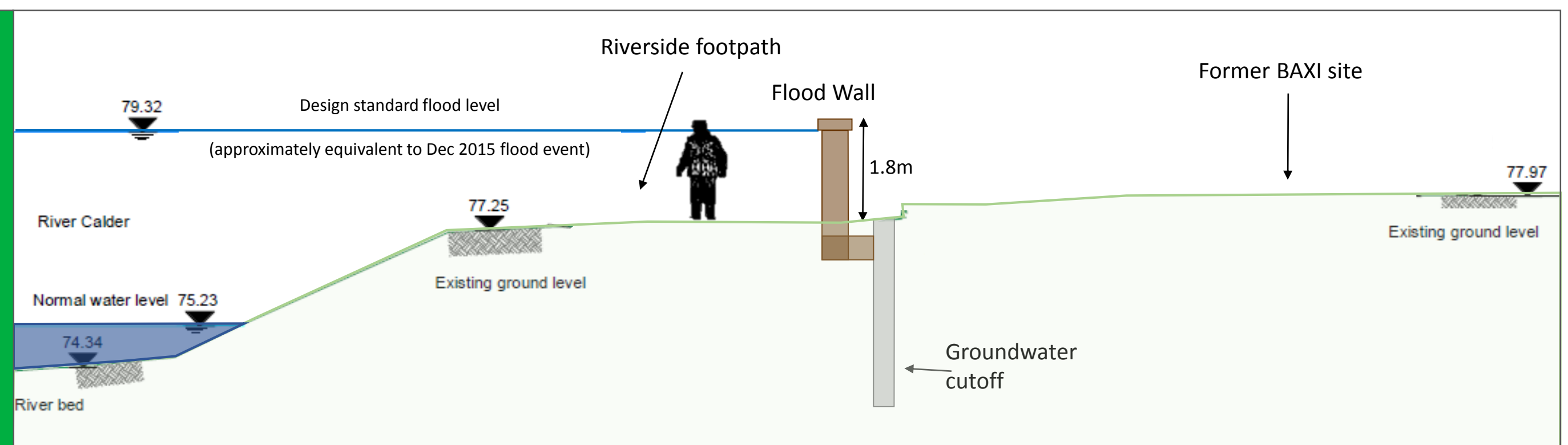
Cross-section 1

Plans East of Former BAXI site



Cross-section 2

Plans South of Former BAXI site



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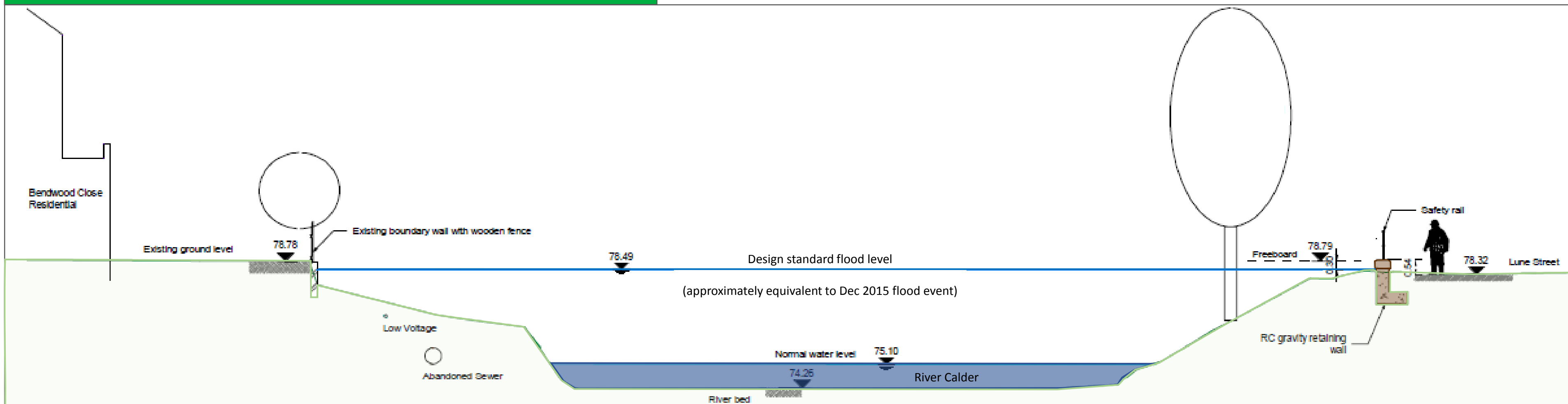
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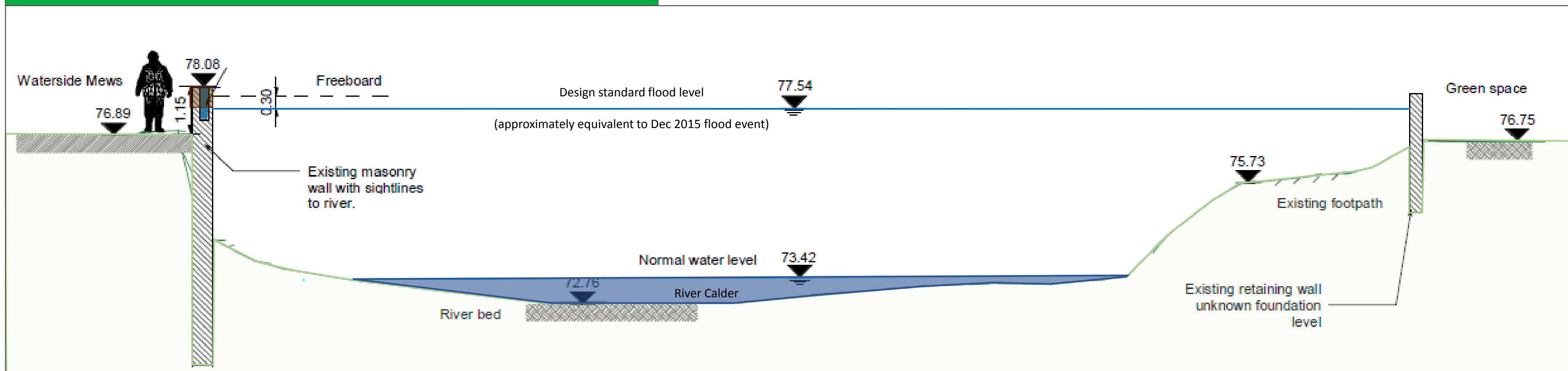
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Cross-section 3 Plans at Lune Street/Bendwood Close



Cross-section 4 Plans at Waterside Mews/Padiham Bridge



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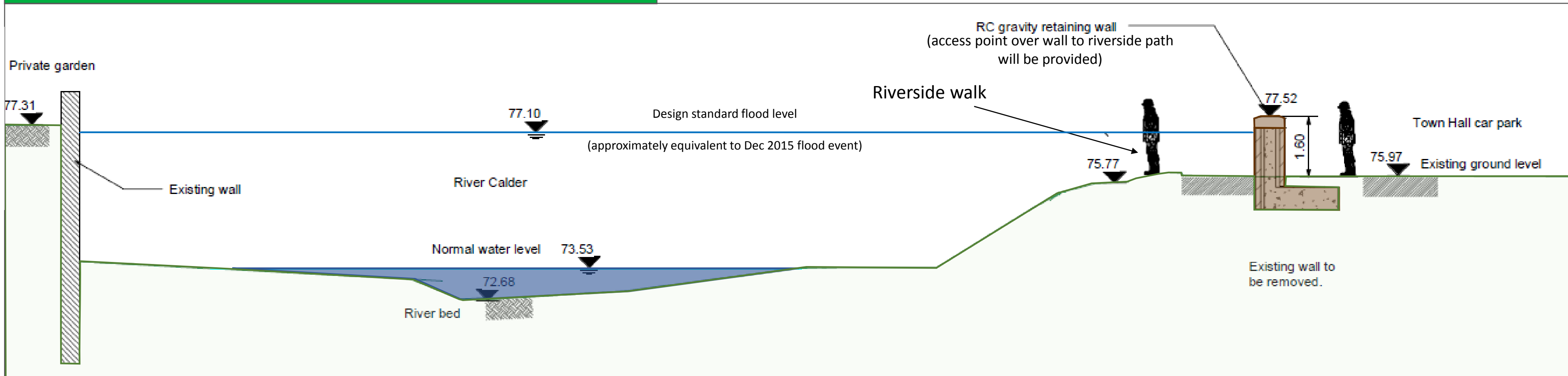
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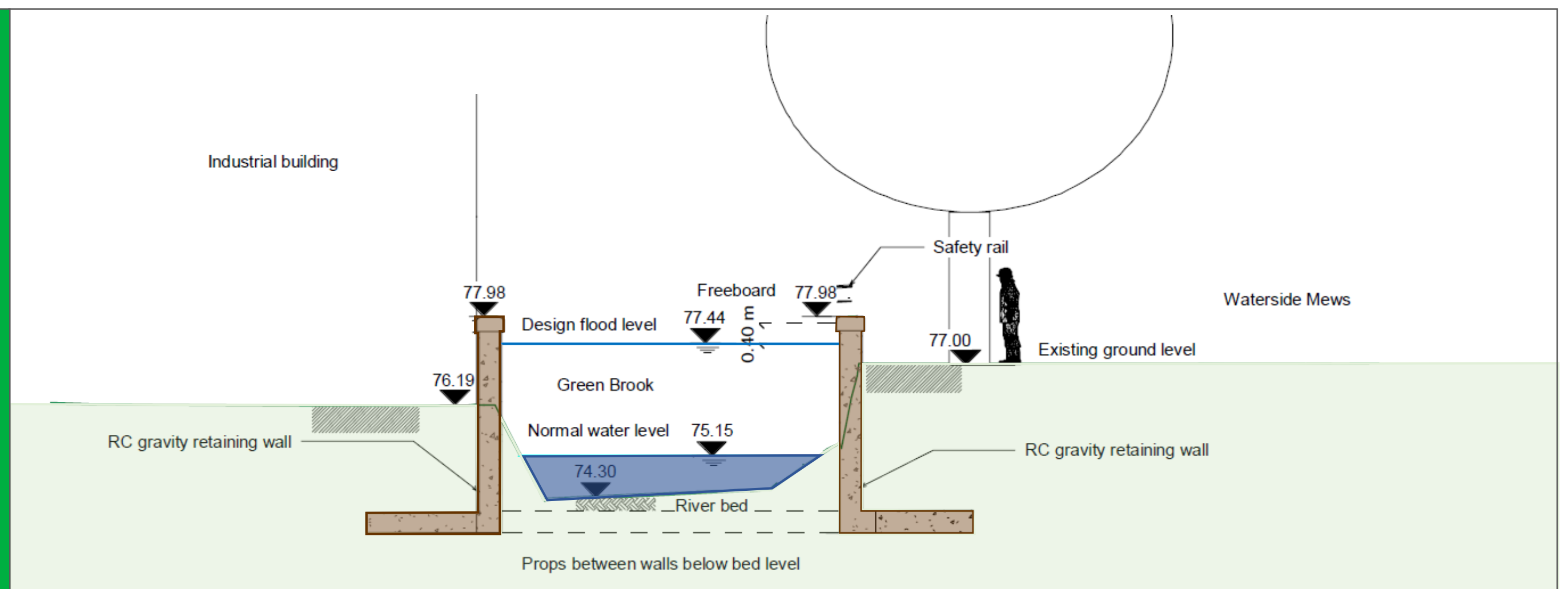
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Cross-section 5 Plans at Waterside Mews/Station Road and Padiham Town Hall



Cross-section 6 Plans for Green Brook at Waterside Mews/ Station Road



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What about maintenance activities?

- The Environment Agency cleared gravel and debris under Padiham Bridge in autumn 2018 and continue to monitor the gravel.
- The Environment Agency will be undertaking treatment and removal of invasive non-native species such as Japanese knotweed and Himalayan balsam
 - The flood scheme does not mean an end to maintenance activities in Padiham
- In fact, over £400,000 of the whole life scheme costs are attributed to future maintenance



Gravel build-up under Padiham Bridge
23/10/17



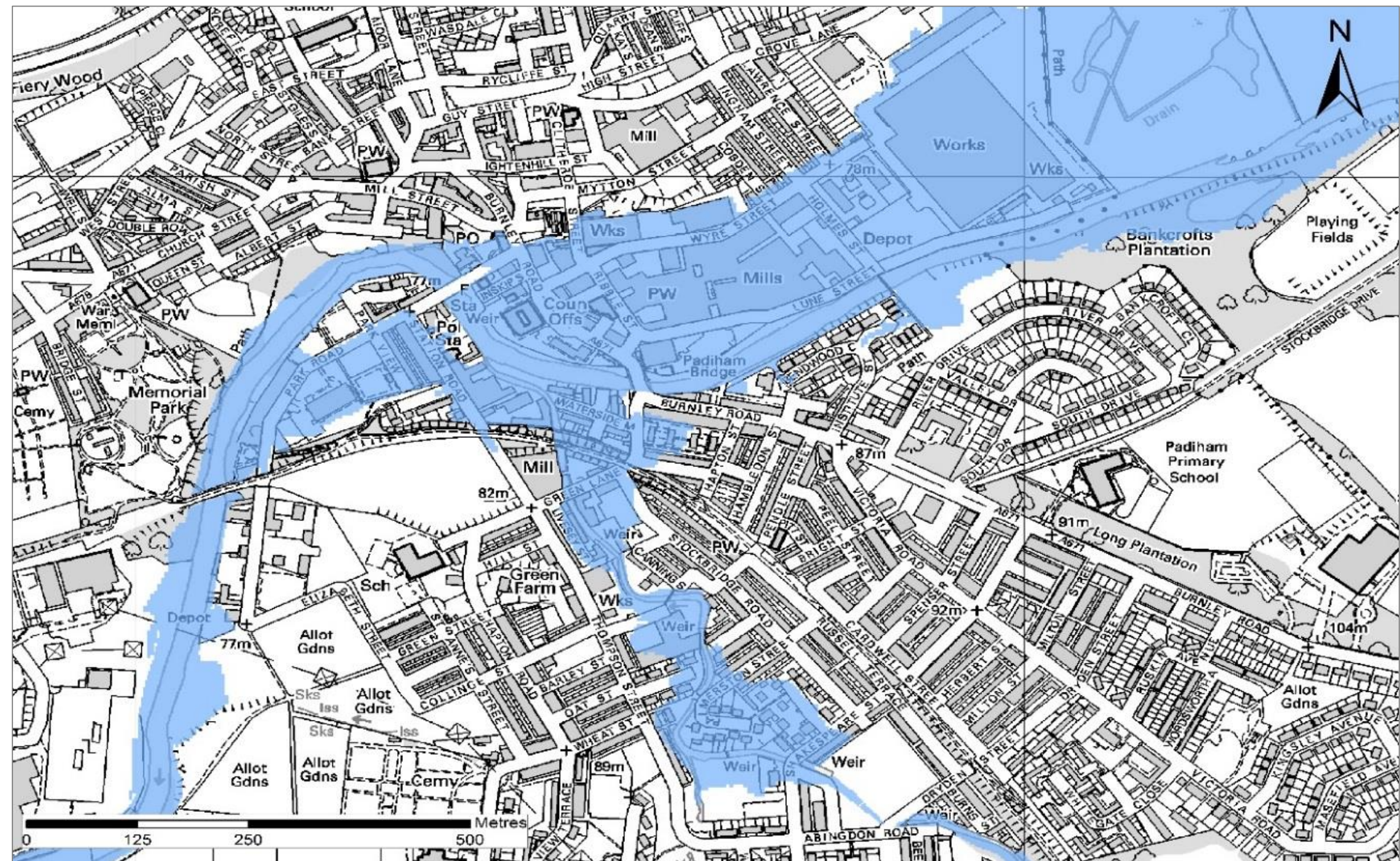
Cleared gravel under Padiham Bridge
10/12/18



Gravel monitoring
05/02/19

Why not just do gravel maintenance / river dredging?

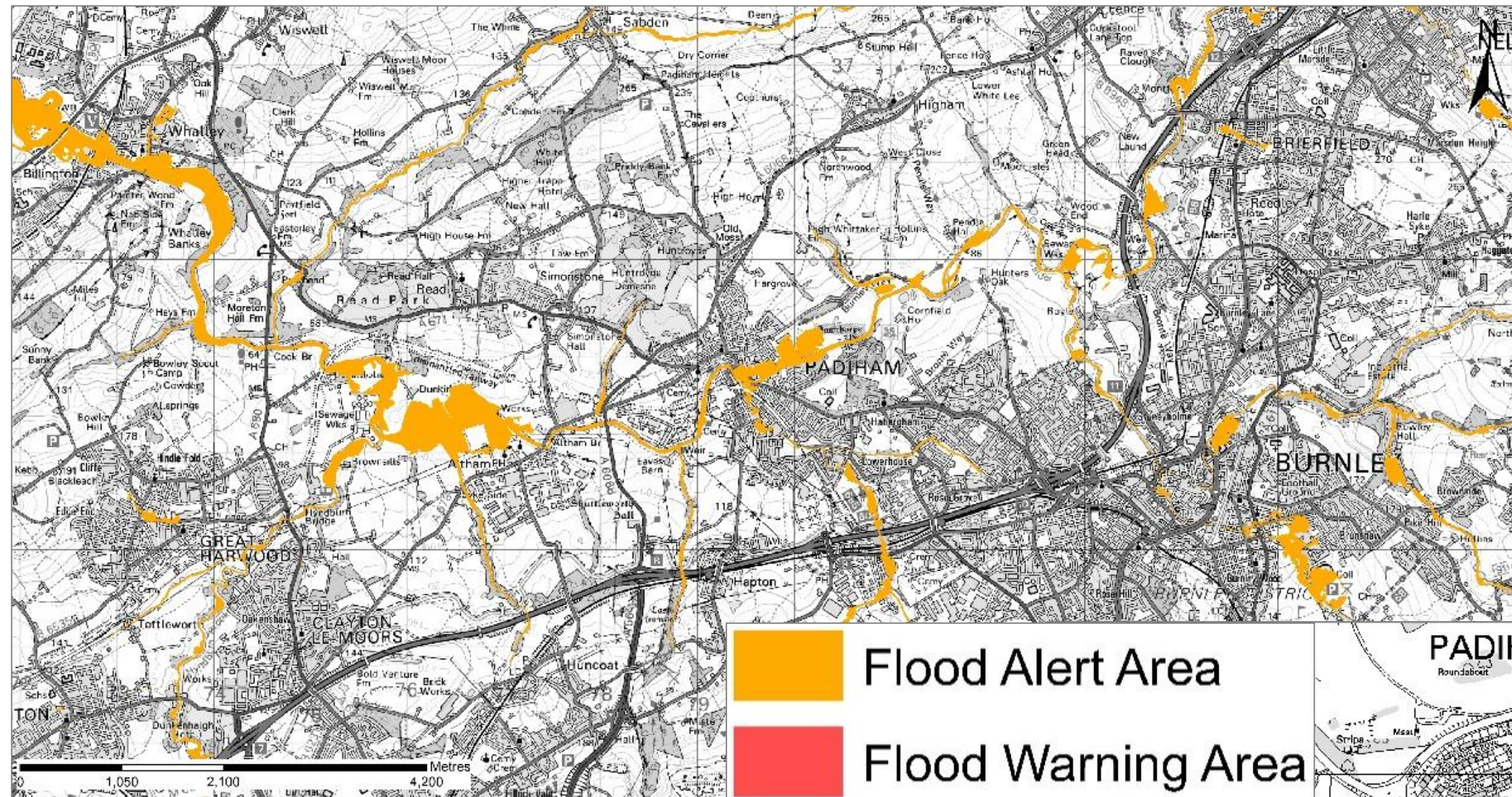
- Gravel maintenance is currently undertaken when the quantity reaches 'trigger level thresholds'. The last clearance was in Oct 2018.
- It is not a sustainable activity:
 - The gravel starts to build again soon after it is cleared so is not a passive management regime and can be costly.
 - It can impact on the environment, such as removing gravel that is vital for fish to use for spawning and migration.
- Gravel maintenance reduces water levels most during smaller floods.
- Gravel maintenance will not prevent big floods like the Dec 2015 event.
- Flood defences will prevent small floods meaning gravel maintenance will no longer be as critical on the River Calder.



Flood extent if gravel is constantly cleared from channel

- Gravel maintenance on the River Calder will still continue as required but will not be needed as frequently.
- Gravel removal will continue around Shakespeare Street Bridge on Green Brook. We are currently seeking funding to undertake maintenance here in the near future.

What about Flood Alerts and Warnings?

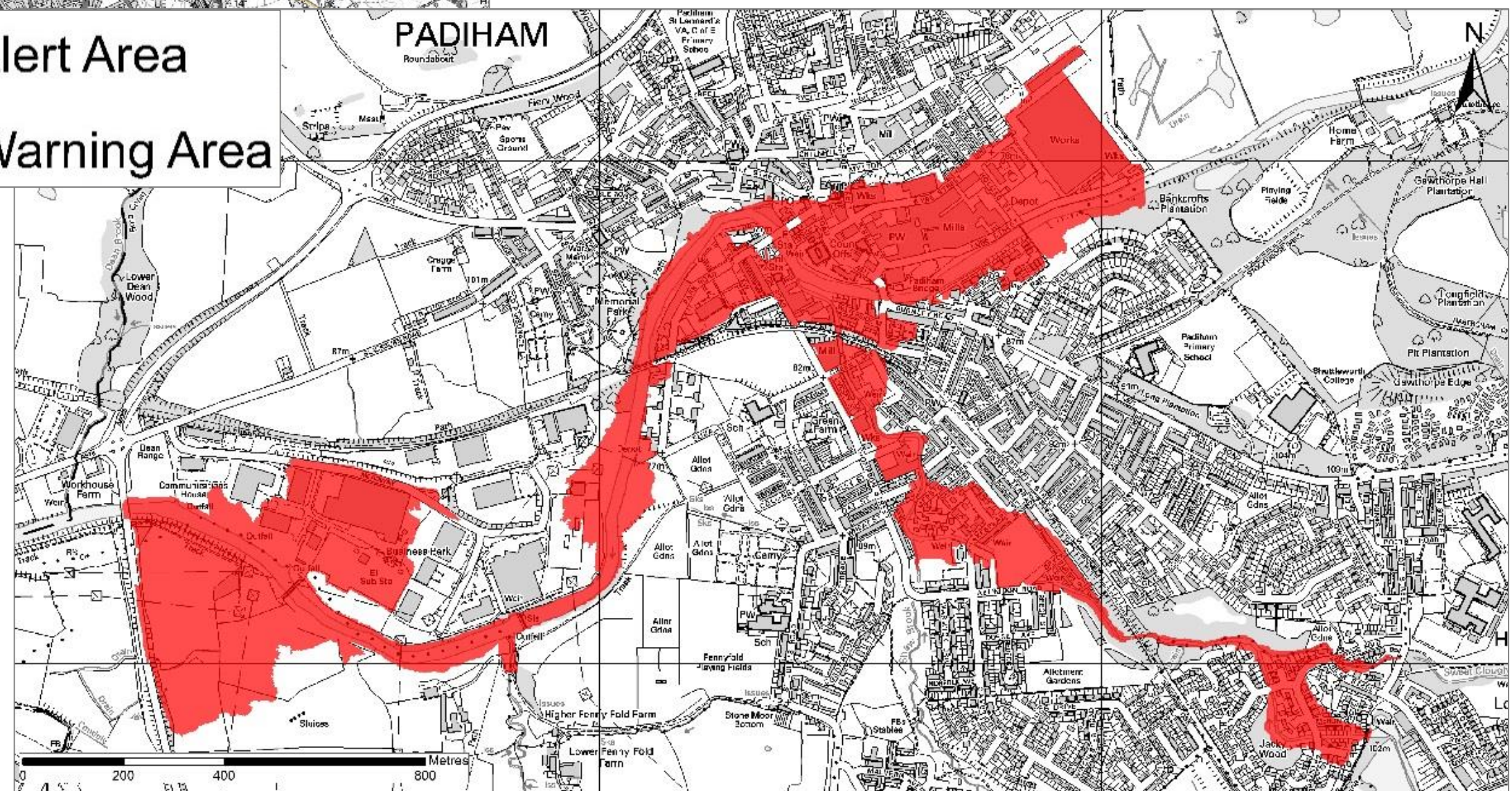


- 1) Flood Alert for the whole Calder
- 2) Flood Warnings for:
 - i) The River Calder at Padiham
 - ii) Green Brook & Sweet Clough

Flood Alert & Flood Warning trigger thresholds will be revised to higher levels once any flood defences are completed

Flood Alerts mean, “be prepared, flood levels are high and/or forecast to rise”

- Flood Alerts can be issued based on river levels anywhere in the Calder catchment ranging from Padiham, Burnley, Nelson, Colne and Whalley.
- They can also be issued based on forecasted overnight impacts.



Flood Warnings mean, “start to act now, flooding is occurring or forecast to likely happen soon”

- Issue these based on forecasts for localised gauges to give you as much time as possible to act.
- Sometimes the forecasts change at the last minute so please do not get complacent by recent ‘false alarms’.

What about Flood Alerts and Warnings?

Flood warnings - know what to do?



**FLOOD
ALERT**

PREPARE

- Prepare a bag that includes medicines and insurance documents
- Visit flood-warning-information.service.gov.uk



**FLOOD
WARNING**

ACT

- Turn off gas, water and electricity
- Move things upstairs or to safety
- Move family, pets and car to safety



**SEVERE
FLOOD
WARNING**

SURVIVE

- Call 999 if in immediate danger
- Follow advice from emergency services
- Keep yourself and your family safe

flood-warning-information.service.gov.uk/what-to-do-in-a-flood

Floodline on 0345 988 1188

#floodaware



Flood Alerts and Flood Warnings can be found online at <https://flood-warning-information.service.gov.uk/warnings>

Or you can sign-up to receive direct Flood Alerts/Warnings by:

- speaking to our staff
- Calling Floodline* on [0345 988 1188](tel:03459881188)
- Visiting <https://www.gov.uk/sign-up-for-flood-warnings>.



***Please note:** there are may be charges for calling Floodline of up to 9p per minute from a landline at 3p to 55p per minute from a mobile. Check with your phone provider as some offer free calls to 0345 numbers