

Wilton Flood Study

Working to make communities more flood resilient



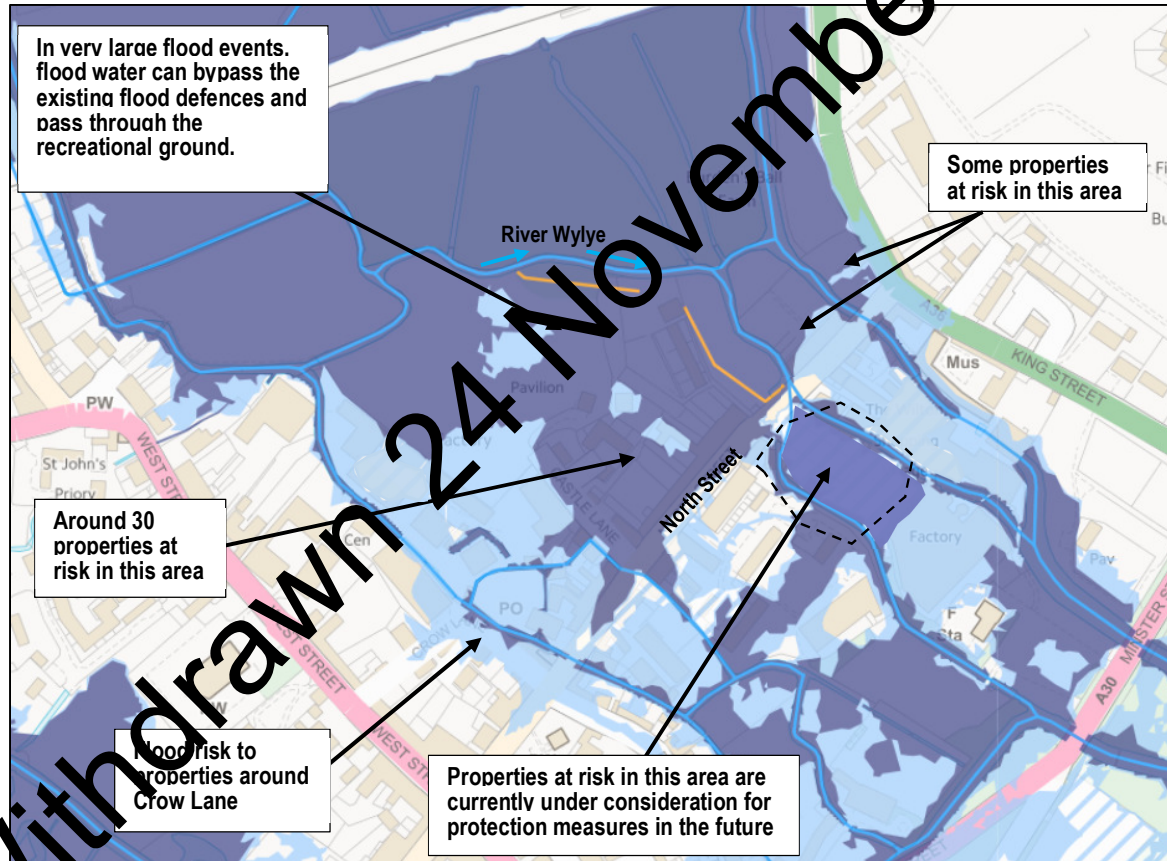
FLOOD RISKS FROM THE RIVER WYLYE IN WILTON

Source: Environment Agency Flood Map

Existing flood defences	Flood zone 3
Main river	Flood zone 2

Flood Zones indicate:

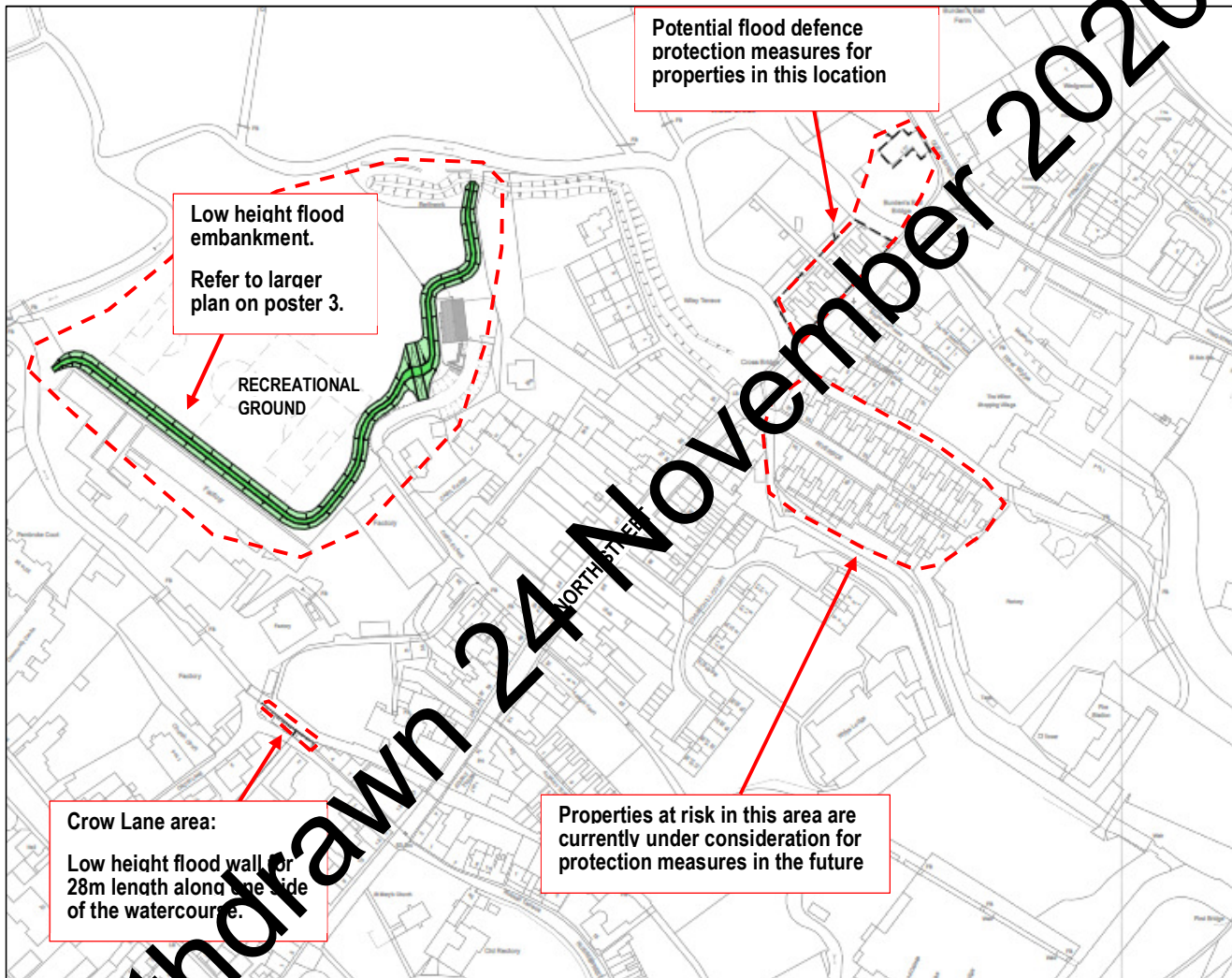
- Flood Zone 3: 'high risk' floodplain that could be flooded from a river by a flood event that statistically has a 1% chance of occurring in any given year.
- Flood Zone 2: 'medium risk' floodplain – additional extent of a more extreme flood event that statistically has a 0.1% chance of occurring in any given year.



(Source: <http://maps.environment-agency.gov.uk/wiyby/wiybyController?x=357683.0&y=355134.0&scale=1&layerGroups=default&ep=map&textonly=off&lang=en&topic=floodmap>)



PROPOSED FLOOD DEFENCES: LOCATION PLAN



PREFERRED OPTION - PROPOSED FLOOD DEFENCE EMBANKMENT

Total estimated delivery cost: £290K (Indicative estimate only)



Proposed grass covered embankment would be around 0.5m high with very shallow side slopes



Main benefits:

- Community more resilient against flood risk
- Reduced flood risk for around 30 homes and some businesses
- Avoid flood damages of £1.75 Million (indicative estimate only)
- Embankment appearance sympathetic to location surroundings

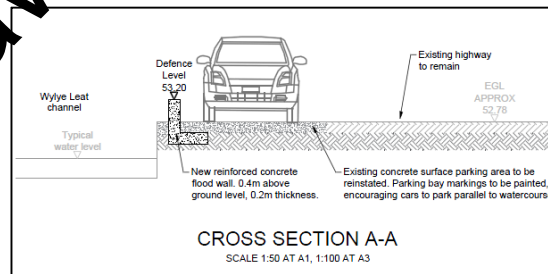
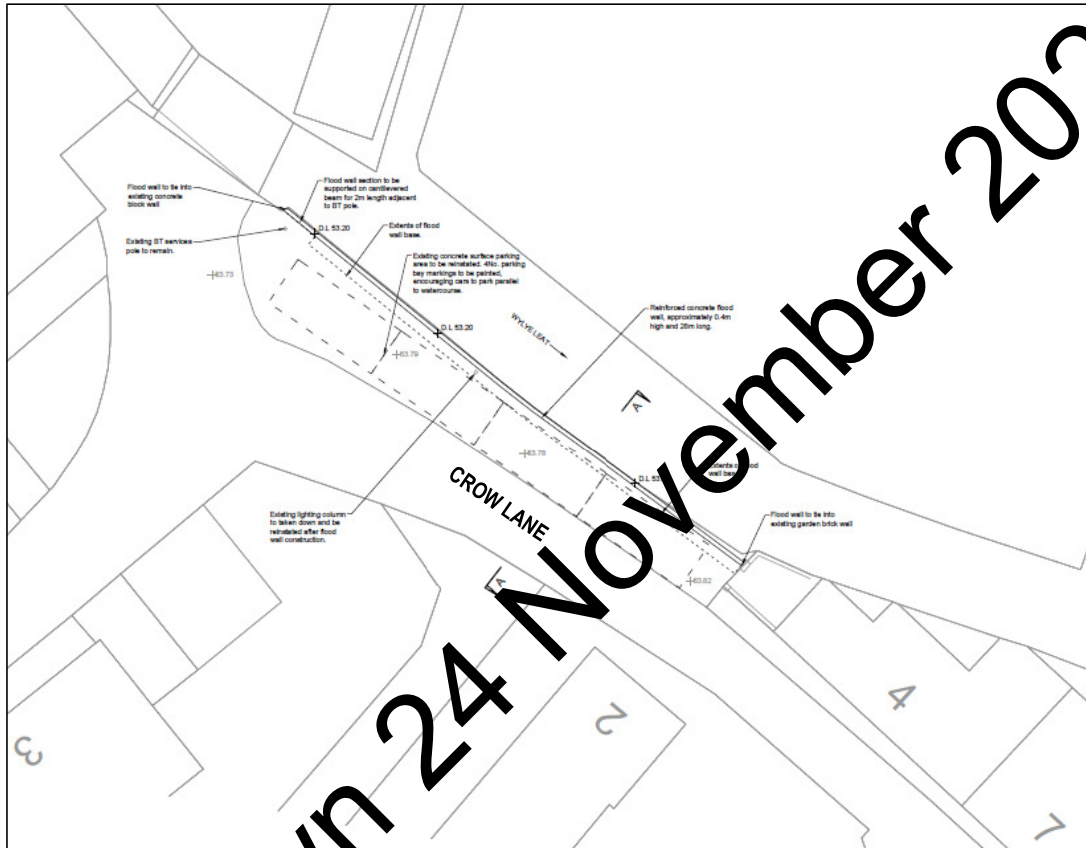
Important considerations:

- Must be viable – benefits outweigh costs.
- Must be affordable – funding at this stage is available only to study options and to review funding sources.
- Must be acceptable to you, the community, and stakeholders





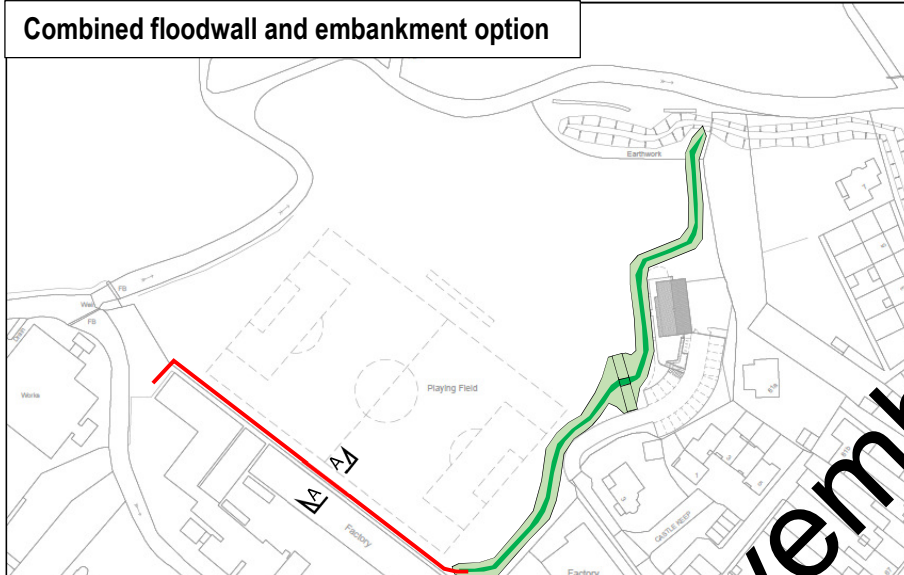
CROW LANE - PROPOSED FLOOD WALL DEFENCE



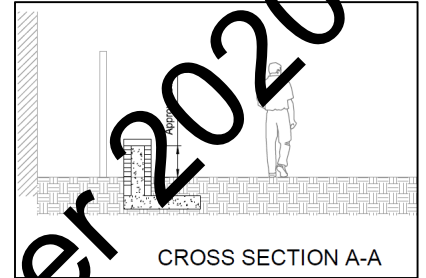
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ALTERNATIVE OPTIONS CONSIDERED UNAFFORDABLE

Combined floodwall and embankment option



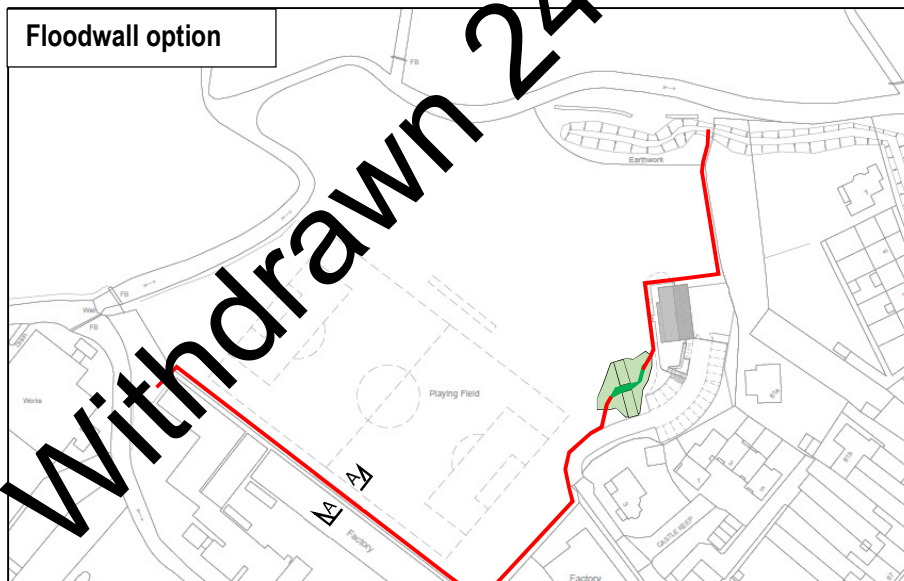
This option would require an additional **£110K** contribution to become viable.
Total estimated delivery cost: £400K (Indicative estimate only).



Key Considerations:

- Both of these options achieve the same benefits as the preferred embankment option (reduced flood risk to around 30 properties, and avoided flood damage costs).
- Both options are considered less viable due to much higher costs of delivery. Flood wall sections are typically twice as expensive to construct compared to earth embankments of a similar height.
- Both these options would be unlikely to achieve funding approval, unless considerable additional funding contributions were put forward by third parties.

Floodwall option



This option would require an additional **£260K** contribution to become viable.
Total estimated delivery cost: £550K (Indicative estimate only).

PROPERTY LEVEL RESILIENCE OPTIONS

Installing measures that make individual properties more flood resilient prevent or limit flood water getting in, or act to reduce the amount of damage caused if it does.

The off-the-shelf products available include replacement flood doors, flood barriers across door fronts, self-closing air bricks, non-return valves on any low level pipes, etc.

The Environment Agency website gives useful information on Kitemark products that are ‘...good products fitted to high standards...’ as well as links to other websites.

Flood barrier products, all under the Kitemark scheme:



Other products, all under the Kitemark scheme:



Self closing air brick



Waste pipe non-return valve



Foul chamber flap-valve



Foul chamber non-return valve

HOW WE ASSESS THE OPTIONS

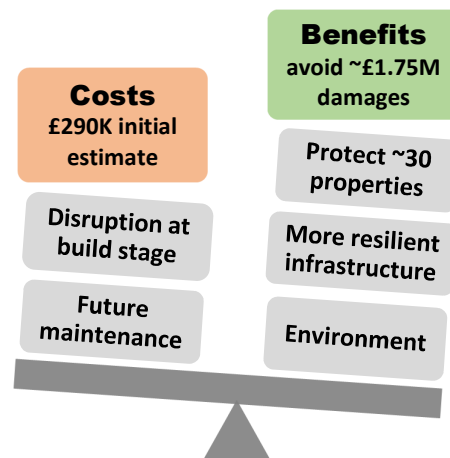
Our study follows a standard process set out by Defra in accordance to current guidance on Flood and Coastal Erosion Risk Management Appraisal and Adapting to Climate Change. Each option has been assessed against the criteria set out below.

- What level of protection against river flooding?
- What would it cost to implement and maintain?
- What environmental impact mitigation would it require?
- Is there an opportunity for environmental enhancement?

We estimate up to ~£1.75M benefits from a flood alleviation scheme by better protecting people, property, infrastructure and the environment.

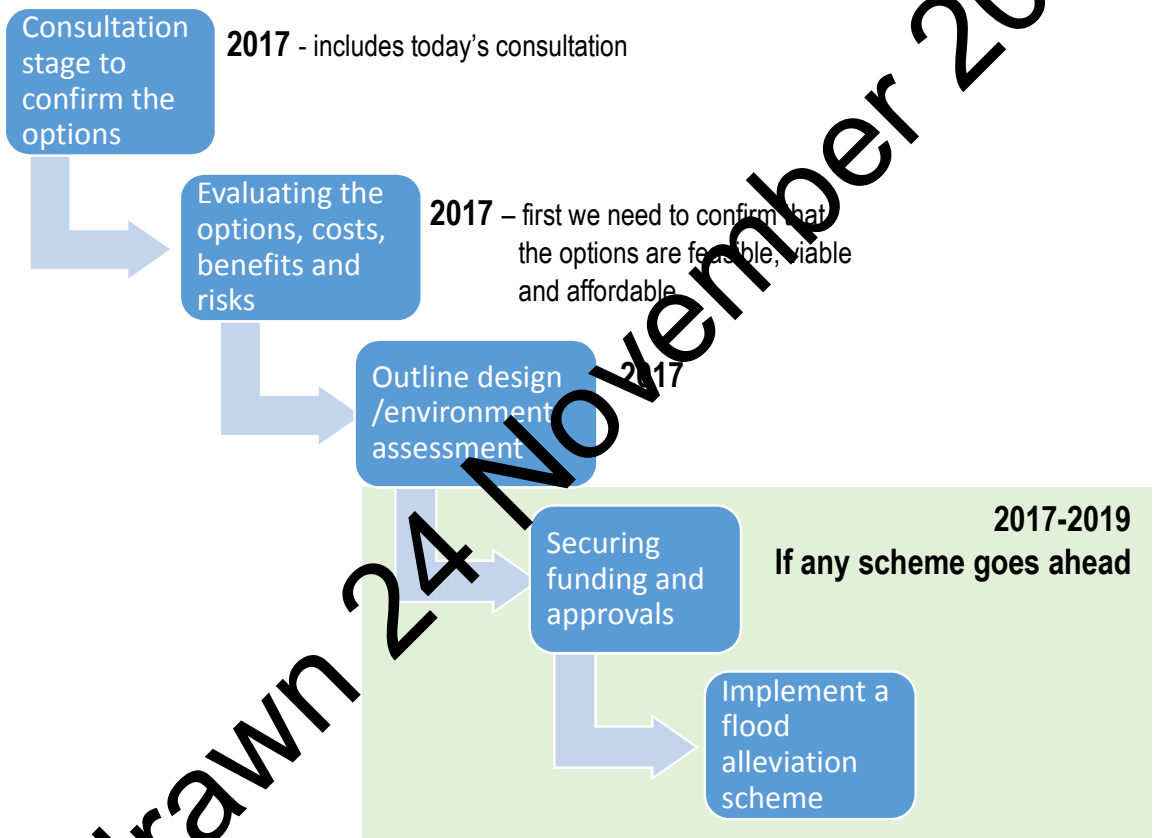
Scheme benefit calculations look at what would happen if nothing is done (how much damage would occur and what would it cost to repair).

For funding of flood alleviation only a limited 'pot' of central government funding is available, so a proportion of the funding must come from other public and private sources. We will continue to look into this.

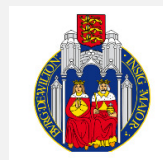


NEXT STEPS IN DECIDING IF ANY OPTIONS CAN BE TAKEN FORWARD

We propose to further study the flood alleviation options, which must be cost-effective, environmentally sensitive and sustainable in order to qualify for government funding. As this is limited other funding sources need to be identified before any options can be taken forward.



Taking a partnership approach is critical. In particular, we are working closely with Wilton Town Council throughout this process.



Any options taken forward will evolve in a manner that:

- aligns with the needs and strategies of the stakeholders involved
- integrates with regional and national policy and strategic planning initiatives

WHAT DO YOU THINK?

We would like you to share your thoughts on the options proposed and the issues that you feel need considering in our further study.

Key points of this consultation:

- We are considering flood alleviation options to protect against river flooding
- Options under consideration:
 - Preferred option – *Estimated cost £290K:*
 - Flood embankment, 300m long, in the Recreational Ground
 - Flood wall at Crow Lane
 - Flood defence measures for areas of North Street
 - Alternative options in the Recreational Ground - *costs range £400K to £550K:*
 - Flood wall section and Flood embankment (together 300m long)
 - Flood wall section (300m long)
- Options are being considered separately and in combination.
- No commitment or funding secured to take forward any options at this stage.
- It can take several years to promote a scheme – this is the very first step.

Please ask our team any questions you have about the proposed scheme and then provide comments via the feedback forms. If you would like to send in your comments later please email them to: mark.goulding@environment-agency.gov.uk

We will use the feedback from this consultation to inform our further study. We will produce a summary of the feedback which you can view on our website (no names or confidential details will be published).



2014 Flood Event, Environment Agency (archives)

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