Following feedback from residents the material for the Public Drop In event on 28th February 2019 is being shared ahead of the event. We would like the opportunity to discuss this material with you in person, if you have any questions we will be more than happy to answer these on the 28th February. Alternatively, you can contact the project team at FRM@leeds.gov.uk (Please include ‘Otley FAS’ in the subject.

Contents:

- Scheme History and Update
- General Arrangement Drawing
- Scheme Section and Artistic Impression
- Island Options Plan
- Programme of Works
- Feedback Sheet
HISTORY & BACKGROUND

Otley has a history of flooding dating back hundreds of years, with notable events occurring in 1920, 1935, 1961, 1982 and most recently in 2015. On 26th December 2015, over 50 residential properties were flooded. Most of the flooding was located on Farnley Lane and Bridge Avenue in the centre of Otley and resulted from the River Wharfe overtopping its banks.

So, in the Autumn Statement 2016, the Government announced that £2 million would be available to invest in a scheme to better protect homes and businesses from flooding.

Preferred Option

The preferred option has been identified as a flood embankment to the west of Billams Hill, running from Otley Bridge to Newall Mount property gardens, and management of the vegetation on the islands downstream of Otley Weir. The flood defence will provide a 1 in 25 year standard of protection.

The hydraulic modelling has shown that management of the vegetation on the islands downstream of Otley weir has significant flood risk benefits. The flood defence in isolation increases water levels in the River Wharfe, all of the vegetation management options presented in the Island Options Plan reduce river levels below the existing scenario. As such, one of these options will be required for the scheme to pass a flood risk assessment. The Scheme will not increase flood risk elsewhere.

1 Strategic Flood Investigation Report (Section 19), Leeds City Council, 2017
Work undertaken since June 2018 Drop In Event

The Feasibility Study is now complete, work has commenced on the Outline design phase. This phase of work included the following activities:

- Environmental assessments have been undertaken which include: Ecological Impact Assessment, Heritage Assessment, Hydro-geomorphological Appraisal, Water Framework Directive Assessment, River Habitat and River Corridor Surveys and Arboriculture Impact Assessment.
- Landscape architects and ecologists have been supporting the engineering team to maximise the amenity value and ecological enhancements delivered by the scheme.
- A contractor has been engaged to support the development of the scheme and provide guidance on potential works in the construction phase and costs.
- The Economic Appraisal for the scheme is nearing completion, this appraisal will be used to support the Outline Business Case.
- The Hydraulic Modelling reporting is complete.
- Structures, geotechnical, drainage, highways, and utilities assessments have been completed, these disciplines will continue to feed into the preferred option design.

Next steps

- Finalising the outline design of the preferred option.
- Submission of the Outline Business Case.
- Submission of the Planning Application.
- Development of the detailed design of the scheme.

During this period, regular Drop In events will be held to keep the public and stakeholders informed. These will be advertised closer to the date.

Subject to obtaining the necessary approvals works are programmed to start on site in Spring 2020.
PROPOSED NEW KELL BECK ALIGNMENT

PROPOSED FLOODWALL

PROPOSED FLOOD EMBANKMENT

RAMP SLOPE DIRECTION

PROPOSED DIVIDED AREA

PROPOSED ROCK ARMOUR

WATERCOURSE

ROCK MATTER

PROPOSED DIVERSION

KELL BECK CHANNEL

PROPOSED ACCESS RAMP

EXISTING FOOTPATH

EXISTING TREE

PROPOSED NATIVE TREE

PROPOSED GROUP OF NATIVE TREE SPECIES

NEW ACCESS TO NORTHERN FIELD

EXISTING PROW TO BE DIVERTED TO PROPOSED FOOTWAY

5m maintenance access strip

5m maintenance access strip

RIVER WHARFE

WHARFEMEADOWS PARK

POTENTIAL NEED FOR ROCK ARMOUR EROSION PROTECTION

PROPOSED HIGHWAY ACCESS RAMP

PROPOSED DIVERSION OF EXISTING PROW

PROPOSED HIGHWAY ACCESS RAMP

PROPOSED NEW KELL BECK ALIGNMENT

PROPOSED ROCK ARMOUR EROSION PROTECTION

PROPOSED LOCATIONS FOR THE KELL BECK TO DISCHARGE INTO THE RIVER WHARFE

PROPOSED DIVERSION OF EXISTING PROW

RIVER WHARFE

LOCATION PLAN

SCALE 1:2500

LEGEND

NEW ACCESS TO NORTHERN FIELD

PROPOSED DIVERSION OF EXISTING PROW

PROPOSED GRASSED AREA

EXISTING PROW

PUBLIC RIGHT OF WAY

EXISTING TREE

PROPOSED NATIVE TREE

PROPOSED GROUP OF NATIVE TREE SPECIES

RIVER WHARFE

LOCATION PLAN

SCALE 1:250

DRAFT FOR CONSULTATION

5m maintenance access strip

5m maintenance access strip

PROPOSED DIVERSION OF EXISTING PROW

NEW ACCESS TO NORTHERN FIELD

PROPOSED DIVERSION OF EXISTING PROW

PROPOSED HIGHWAY ACCESS RAMP

PROPOSED NEW KELL BECK ALIGNMENT

PROPOSED ROCK ARMOUR EROSION PROTECTION

PROPOSED LOCATION FOR THE KELL BECK TO DISCHARGE INTO THE RIVER WHARFE

PROPOSED DIVERSION OF EXISTING PROW

DRAFT FOR CONSULTATION

RIVER WHARFE

LOCATION PLAN

SCALE 1:250

DRAFT FOR CONSULTATION

5m maintenance access strip

5m maintenance access strip

PROPOSED DIVERSION OF EXISTING PROW

NEW ACCESS TO NORTHERN FIELD

PROPOSED DIVERSION OF EXISTING PROW

PROPOSED HIGHWAY ACCESS RAMP

PROPOSED NEW KELL BECK ALIGNMENT

PROPOSED ROCK ARMOUR EROSION PROTECTION

PROPOSED LOCATION FOR THE KELL BECK TO DISCHARGE INTO THE RIVER WHARFE

PROPOSED DIVERSION OF EXISTING PROW

DRAFT FOR CONSULTATION

RIVER WHARFE

LOCATION PLAN

SCALE 1:250

DRAFT FOR CONSULTATION

5m maintenance access strip

5m maintenance access strip

PROPOSED DIVERSION OF EXISTING PROW

NEW ACCESS TO NORTHERN FIELD

PROPOSED DIVERSION OF EXISTING PROW

PROPOSED HIGHWAY ACCESS RAMP

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PROPOSED LOCATION FOR THE KELL BECK TO DISCHARGE INTO THE RIVER WHARFE

PROPOSED DIVERSION OF EXISTING PROW

DRAFT FOR CONSULTATION

RIVER WHARFE

LOCATION PLAN

SCALE 1:250

DRAFT FOR CONSULTATION

5m maintenance access strip

5m maintenance access strip

PROPOSED DIVERSION OF EXISTING PROW

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DRAFT FOR CONSULTATION

RIVER WHARFE

LOCATION PLAN

SCALE 1:250

DRAFT FOR CONSULTATION

5m maintenance access strip

5m maintenance access strip

PROPOSED DIVERSION OF EXISTING PROW

NEW ACCESS TO NORTHERN FIELD

PROPOSED DIVERSION OF EXISTING PROW

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PROPOSED LOCATION FOR THE KELL BECK TO DISCHARGE INTO THE RIVER WHARFE

PROPOSED DIVERSION OF EXISTING PROW

DRAFT FOR CONSULTATION

RIVER WHARFE

LOCATION PLAN

SCALE 1:250
NOTES:
1. ALL UNITS ARE IN METRES UNLESS OTHERWISE STATED

SCALE 1:75

INDICATIVE CROSS SECTION

DRAWING STATUS:

DRAFT FOR PUBLIC CONSULTATION

ARTISTIC IMPRESSION
OPTIONS:

Option 1A: Removal of all trees and scrub vegetation from the western half of the islands
- All trees and scrub vegetation removed from the western side of the islands including the mature willow, sycamore and hawthorn. Trees and scrub vegetation to the east to be fully retained.
- Trees and scrub vegetation removed will be taken down to ground level with the roots retained for island stability.

Option 1B: Removal of 50% of trees and scrub vegetation across all islands
- All scrub vegetation removed from the western side of the islands and existing trees of value retained with tree management works undertaken to remove deadwood and crown lift. Some poor species of trees and multi-stem willows will be removed across the Eastern Islands and tree management works will be carried out on trees to be retained.
- Trees and scrub vegetation removed will be taken down to ground level with the roots retained for island stability.

Option 2: Removal of all trees and retention of scrub vegetation
- Removal of all trees across all of the islands and retaining the existing scrub vegetation. The gravel bar will be re planted with native wetland vegetation.
- Trees removed will be taken down to ground level with the roots retained for island stability.

Option 3: Removal of all trees, scrub, self-seeded willows to be cut down to ground level
- Removal of all trees and vegetation across all of the islands.
- Trees and vegetation removed will be taken down to ground level with the roots retained for island stability.

NOTES:
- The location of individual trees within tree groups are indicative.
- The treatment of invasive species will be considered with all options.

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DRAFT FOR CONSULTATION
Survey, Feasibility, & Modelling

Options Appraisal

Outline Design of Preferred Option

Planning Permission & Formal Consultation Period

Detailed Design

Main Construction Contract

Flood Defences Operational
Otley FAS event feedback sheet

Name ………………………………………………………………………………………………………………………………..
Address ……………………………………………………………………………………………………………………………..
Contact email / phone ……………………………………………………………………………………………………………

(Your data will not be shared with third parties and will remain confidential, it will only be used for the purposes of
the Otley FAS by the project team)

Please add me to the project mailing list to receive the quarterly community update

Have you found this event useful?

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Is there any further information, suggestions, or comments which you would like to note here
which can be used by the team to input into the project?

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Thank you for your time.