



Arklow Flood Relief Scheme

Newsletter 01 – May 2024

Project Purpose

The purpose of the Arklow Flood Relief Scheme is to alleviate the risk of flooding to the community of Arklow by providing a scheme that is technically, socially, environmentally, and economically acceptable.

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Project Introduction

The OPW has recommended the development of a Flood Relief Scheme for Arklow as a result of the work completed in the Eastern Catchment Flood Risk Assessment and Management (CFRAM) Study and Stage 1 and 2 of the Arklow Flood Relief Scheme.

Planning for the scheme was granted in July 2022 by An Bord Pleanála.

The design standard of protection for the scheme is the 1% AEP fluvial event (1 in 100 year) and 0.5% AEP (1 in 200 year) coastal/tidal event. The design will consider and allow for the impacts of climate change which may be realised over time.



This Flood Relief Scheme is part of the €1.3bn Government investment programme being delivered under Project Ireland 2040. Wicklow County Council commissioned Ayesa in December 2023, to develop and implement the Flood Relief Scheme for Arklow. The scheme commenced in January 2024.

The purpose of the Newsletter is to keep the public and stakeholders updated with the projects progress throughout the duration of the Arklow Flood Relief Scheme (FRS). The project is currently in Stage 3 – Detailed Construction Design and Tender.



Topographical & Utility Survey

The team have reviewed existing survey data for Arklow Town and have identified additional information which will be needed to design the scheme. A scope of works and tender documents for a topographical and GPR (Ground Penetrating Radar) contract have been prepared and were recently advertised on eTenders.

The following surveys are included in the contract:

- Topographical Survey
- Utility
- GPR

Topographical surveys are essential to the project planning to determine changes in elevation, terrains, contours, boundaries, obstructions to allow detailed design to be carried out. Additionally, it will allow the project team to detect clashes in the proposed storm drain systems and minimise disruption by reducing the scale of works so much as is possible.

Ground Investigation

The project team has also compiled a Scope of Work and procurement documentations for a ground investigation contract.

This contract will involve intrusive investigations (i.e. boreholes and trial pits etc) which will be carried out to establish the soil and rock profile and parameters within the Arklow Flood Relief Scheme area. This will also include slit trench investigations of utilities along:

- South Quay
- Harbour Road
- Dock Road
- River Walk
- Bridge Street
- Main Street

One particular challenge the team have faced is obtaining access to complete the works and so, this contract includes for the construction of an access road which will ultimately form part of the maintenance road for the final flood defence works. The results of the ground investigation works will inform on the detailed design of proposed flood defence components and storm drainage works.



Archaeological Investigations

As part of the ground investigations contract Ayesa have included substantial Archaeological Testing Trenches to learn at an early stage of the design of any constraints, particular in the Marsh and near the historic Ferrybank House.

Substantial archaeological resolution has already occurred at Ferrybank as part of Uisce Eireann’s Wastewater Treatment Plant project which is ongoing. Wicklow County Council have liaised with Uisce Eireann’s project teams to share data being gathered.



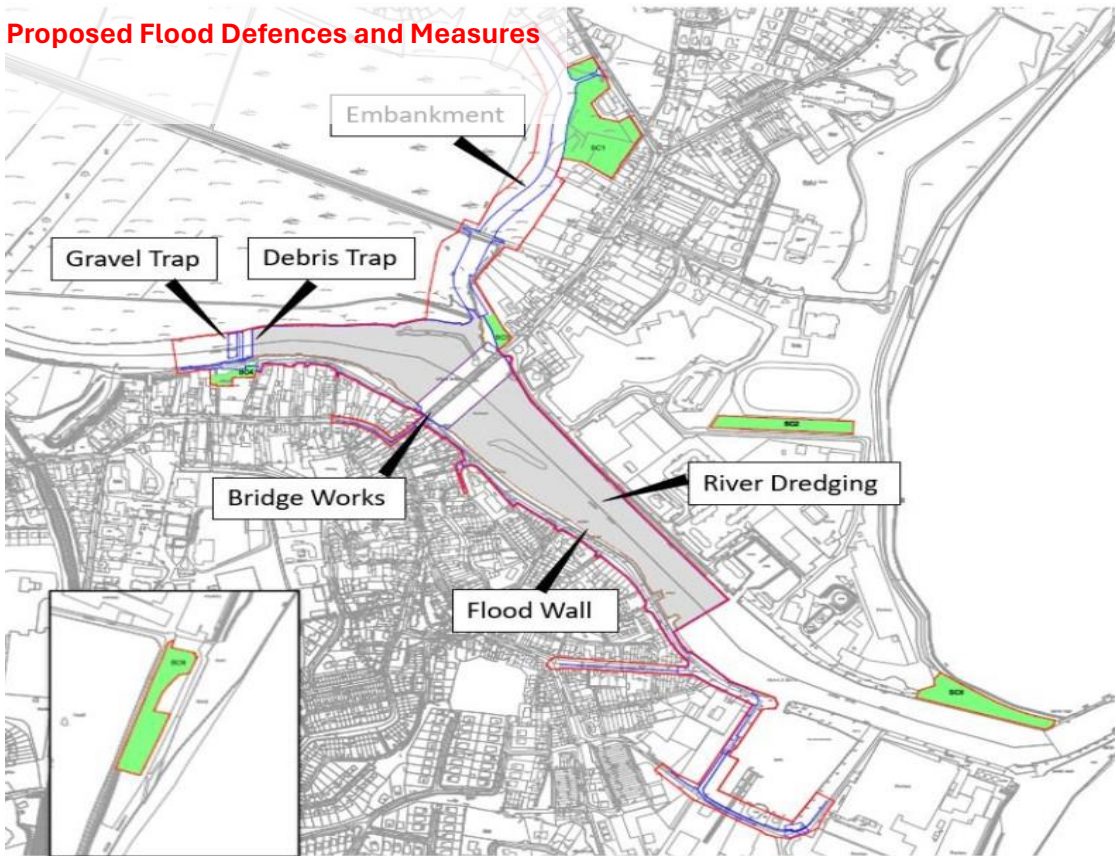
Programme

The scheme will be implemented in three different stages. Stage 3 commenced in January 2024. The figure below shows the initial programme for the three stages as briefly described below:

- Stage 3 – Detailed Construction Design and Tender.
- Stage 4 – Construction.
- Stage 5 – Handover of Work.

		2023	2024	2025	2026	2027	2028	2029	2030	2031
Stage 3	Detailed Construction Design and Tender									
Stage 4	Construction Supervision									
Stage 5	Handover of Works									

Proposed Scheme Development



Compulsory Purchase Orders (CPO)

The team are currently engaging with landowners as part of the ongoing CPO process, this will include receipt of claims, valuation of lands through the appointment of valuers. Valuers are being appointed to assist Wicklow County Council with this process in the coming period.

What's Next?

Most of the current project activities will continue over the next few months, including, but not only:

- Site Investigations/ Archaeological contract to tender.
- Topographical/ Ground Penetrating Radar contract to tender.
- Environmental Surveys.
- Stakeholder Engagement.



Contact Us

If you would like to contact our Project Team about any matter relating to the Arklow Flood Relief Scheme you can do so through the following:

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If you would like any further information on the Scheme, please visit our website:

<https://www.floodinfo.ie/frs/en/arklow/home/>