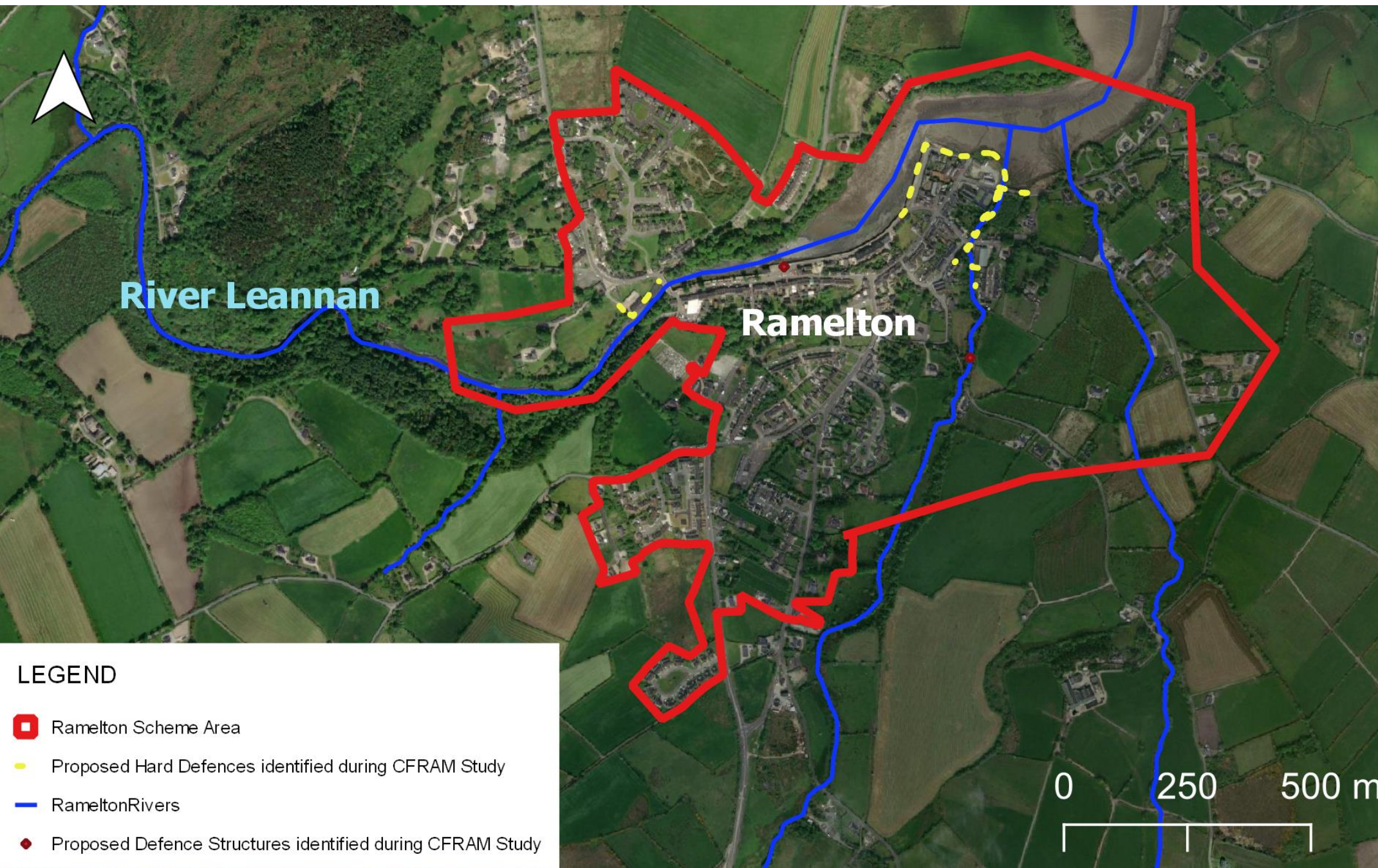


INTRODUCTION

Purpose of the Project

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



Scheme Area

Current Status – Works Completed To Date

- Topographical surveys
- Culvert and Manhole Survey
- Hydrometric Survey
- Lidar/ Aerial Survey
- Hydrology Assessment and Report
- Hydraulic Modelling and Baseline Flood Mapping
- Hydraulic Report
- Natural Water Retention Measures Feasibility Report
- Invasive Species Management Plan
- Invasive Species Treatment Contract (2021-2022)
- Constraints Report
- Environmental Surveys (see Board 2)

Current Status – Works Currently Underway

1. Preliminary Assessment of Options
2. Screening for Appropriate Assessment
3. Screening for EIA
4. Assessment of Scheme Benefits
5. Invasive species treatment contract (2023)

COORDINATION WITH OTHER PROJECTS

- ❖ Donegal Co. Co. - Ramelton Regeneration Project
- ❖ Uisce Éireann – Ramelton Sewerage Scheme
- ❖ Ramelton Tidy Towns
- ❖ Donegal Co. Co. - Historic Towns Initiative

PUBLIC PARTICIPATION AND CONSULTATION

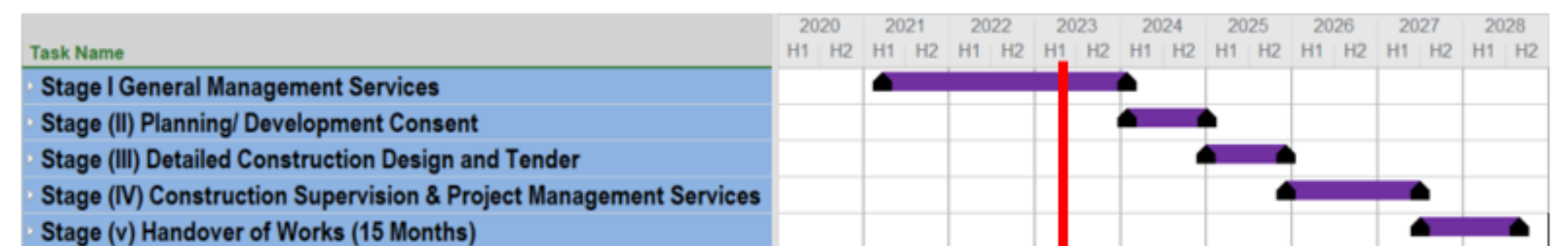
1. Public Consultation Day	Monday 27 th September to Friday 22 nd October 2021
2. Public Participation Event	21 st June 2023
3. Public Consultation Day	TBA
4. Planning Stage	TBA

16:00 to 20:00 on the 21st June 2023 at Ramelton Town Hall, Ramelton, Co. Donegal.

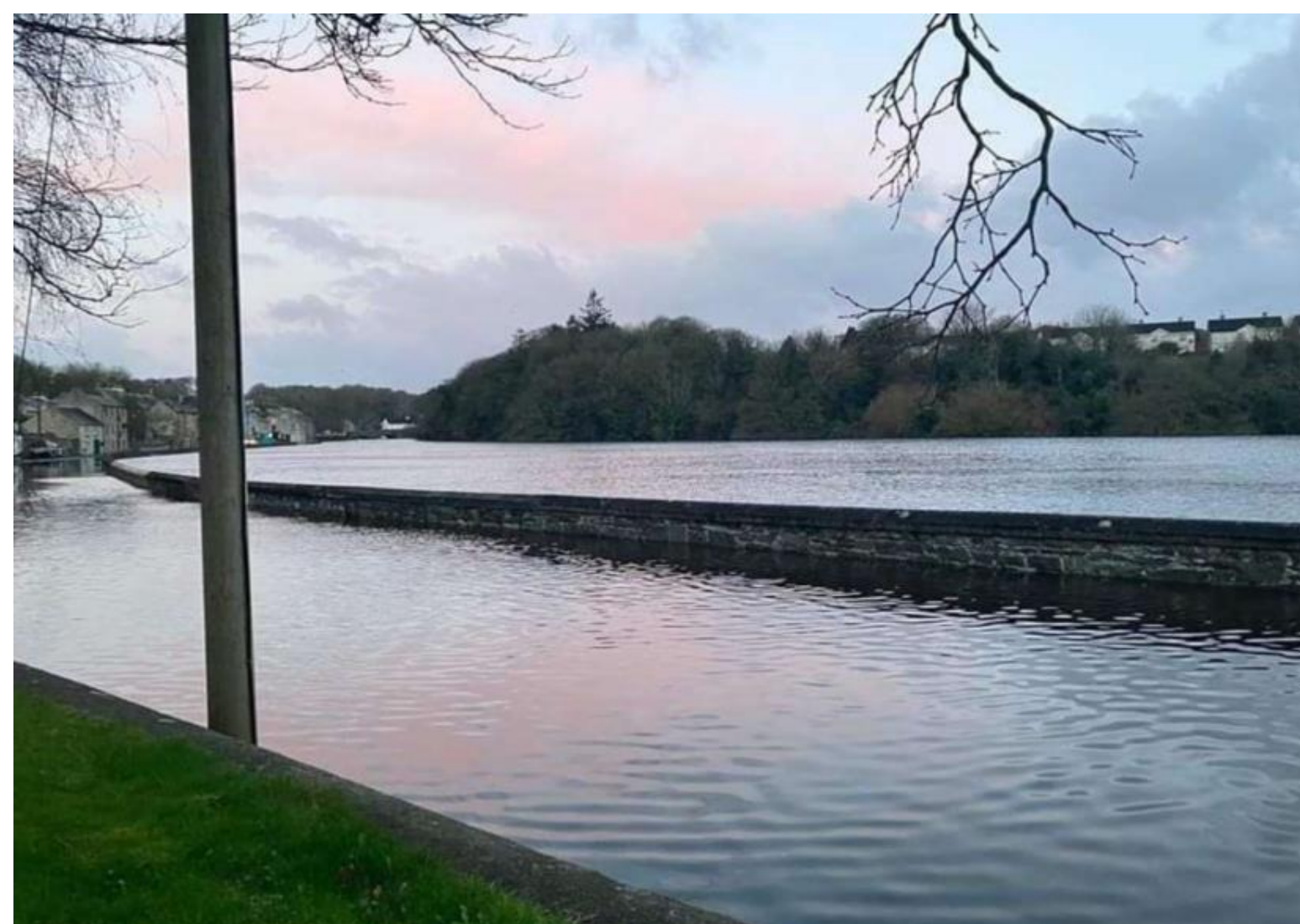
THE SCHEME IN NUMBERS – PRESENT DAY

Standard of Protection	1% AEP (1 in 100) Fluvial Event 0.5% AEP (1 in 200) Coastal Event
Number of Properties at risk from 1% AEP Fluvial Event	7
Number of Properties at risk from 0.5% AEP Coastal Event	19

CURRENT TIMELINE



WE ARE HERE



Flooding Along the Quay and Shore Road – March 2023

Biodiversity Aspects

Environmental Surveys to date

- ❖ Bat Surveys
- ❖ Tree Surveys
- ❖ Wintering Bird Surveys
- ❖ Habitat surveys
- ❖ Otter Surveys
- ❖ Aquatic Surveys
- ❖ Water Quality testing
- ❖ Invasive Species
- ❖ Cultural Heritage

European Protected Sites

The map across shows the European protected sites present. They are:

- Lough Swilly Special Protection Area,
- Lough Swilly Special Area of Conservation
- Leannan River Special Area of Conservation

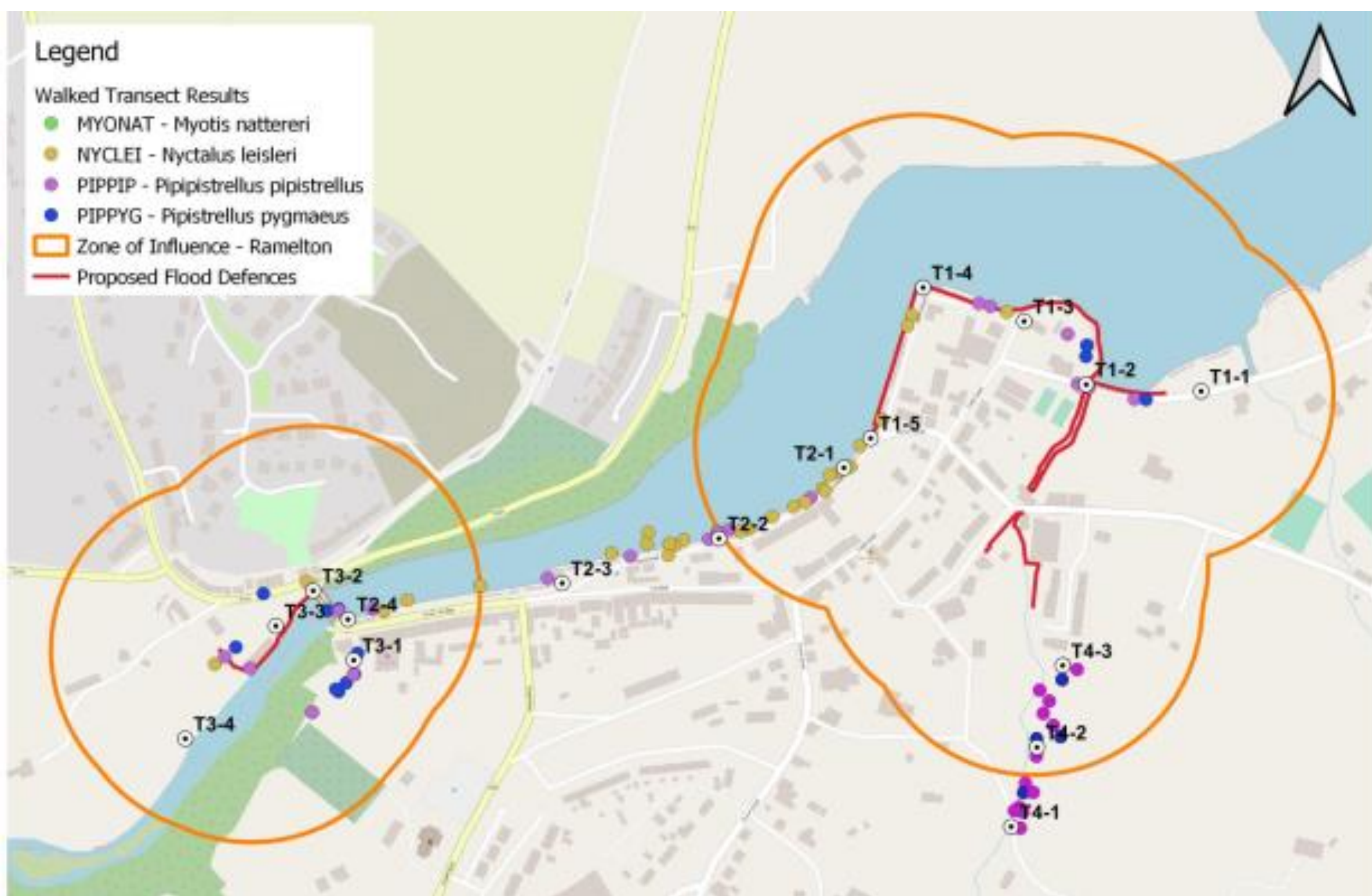
These protected areas offer protection to various bird species, habitats, salmon, freshwater pearl mussel and otters.



Bat Survey Results

The map below shows some of the seven species of **bat** have also been recorded in the area. These are:

- Leisler's Bat
- Soprano Pipistrelle
- Brown long-eared Bat
- Nathusius Pipistrelle
- Natterer's Bat
- Daubenton's Bat
- Common Pipistrelle



River Habitat Surveying – August 2022

European Protected Species Survey Results

The results of **River habitat, wintering bird** and **otter** surveys found the following **protected species** present:

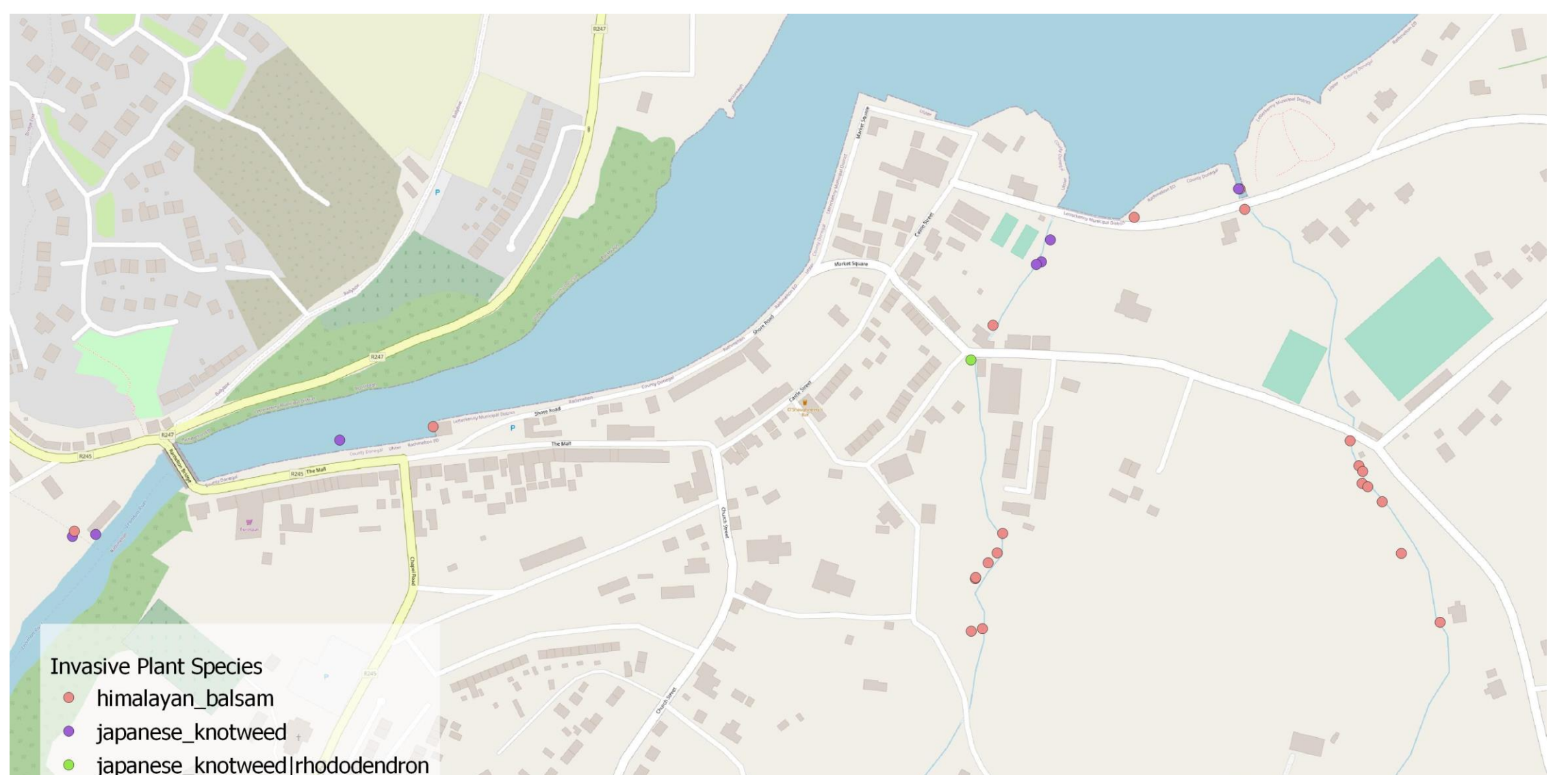
- Salmon
- Lamprey
- Otters
- Black-headed gull
- Common gull
- Mallard
- Curlew
- Oystercatcher
- Heron
- Redshank
- Teal
- Greenshank

Invasive Alien Plant Species Survey Results

The map across shows the results of the Invasive Alien Plant Species survey in 2021. The species found were:

- Himalayan Balsam
- Japanese Knotweed

These invasive plants are undergoing treatment currently.



Cultural Heritage Aspects

Considerations:

- ❖ Ramelton is considered a Zone of Archaeological potential.
- ❖ Ramelton is a designated Historic Town with numerous protected structures present.
- ❖ 7 Structures list on the Sites and Monument Record including Ramelton Castle and Bawn.
- ❖ 86 sites present that are listed on the National Inventory of Architectural Heritage, which has buildings and structures of conspicuous historical, archaeological, artistic, scientific, social or technical interest. These sites include:
 - The Tanyard
 - Ramelton Bridge
 - Ramelton Public Hall
 - Numerous buildings on the Shore Road and The Quays and Castle Street.



Protected buildings on the Quays as seen from Shore Road



The Tanyard



● NIAH Sites
● SMR



Ramelton Bridge



Ramelton Townhall

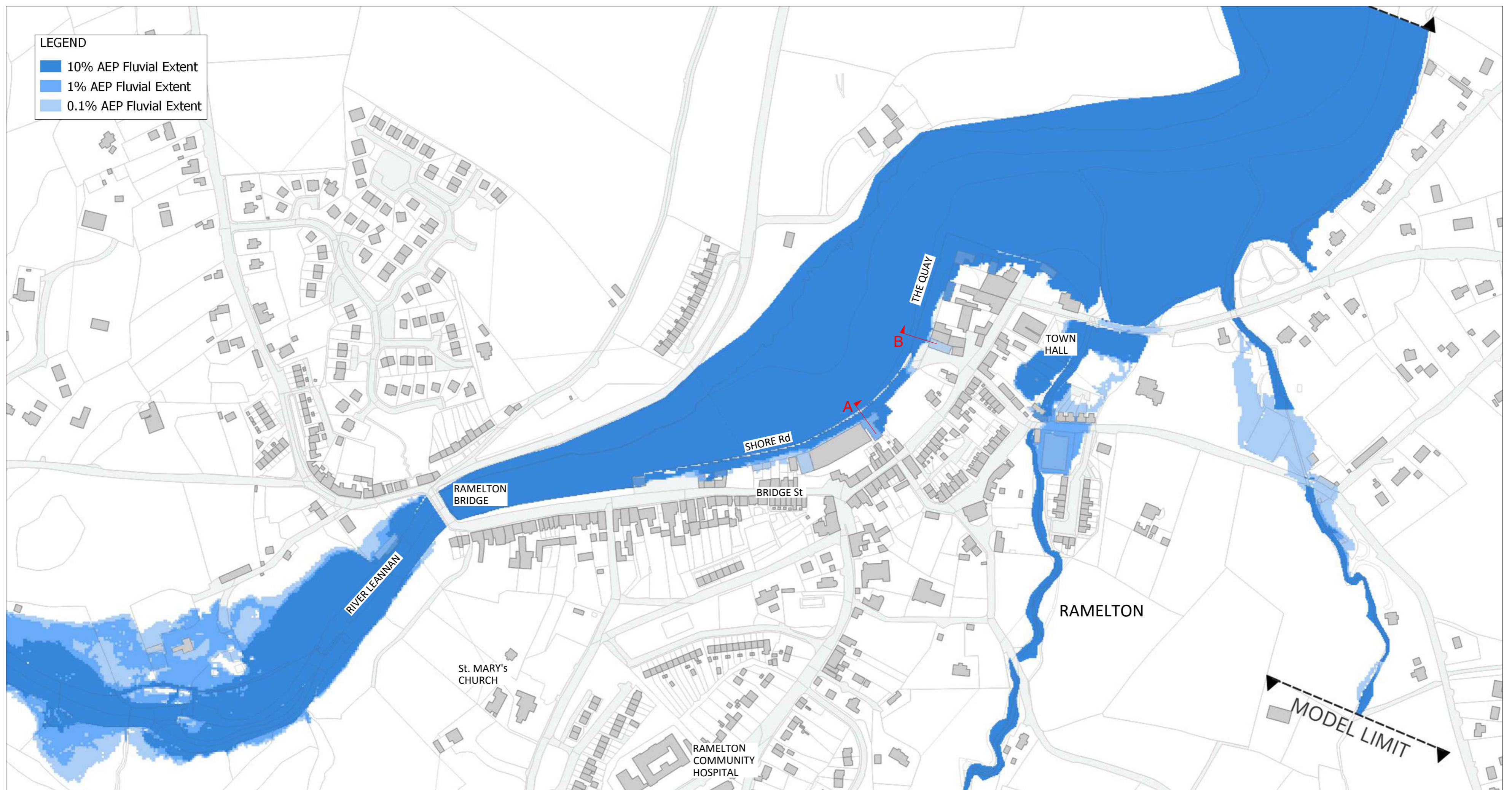
Cultural Heritage Surveys to be undertaken

- Wade and detect archaeological survey to assess local wrecks and archaeology

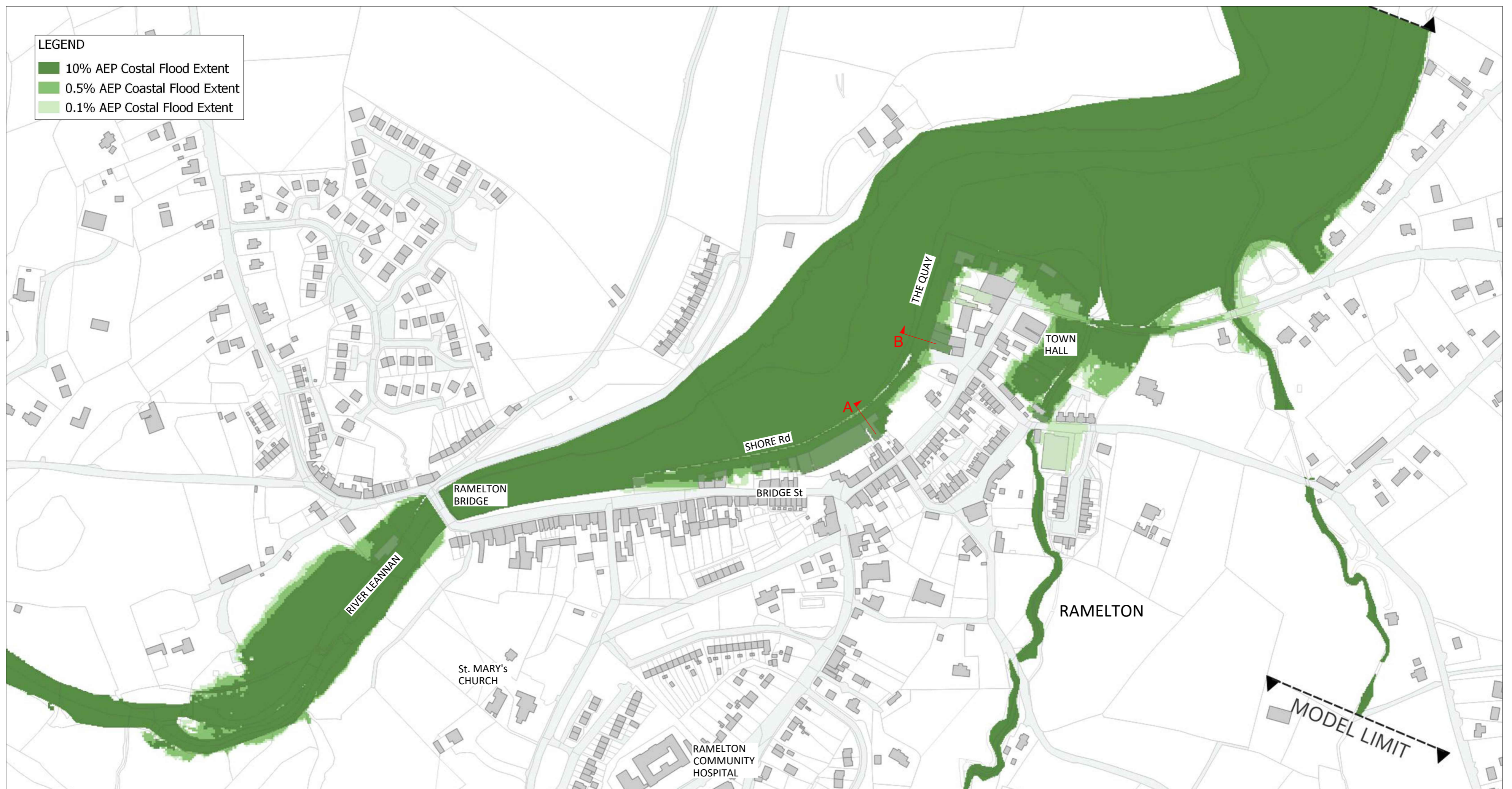
Upcoming Environmental Information

- ❖ An Environmental Impact Assessment (EIA) Screening report will be carried out on the preferred scheme and will determine the need for EIA Scoping and EIAR,
- ❖ Air & Climate
- ❖ Landscape & Visual
- ❖ Noise & Vibration

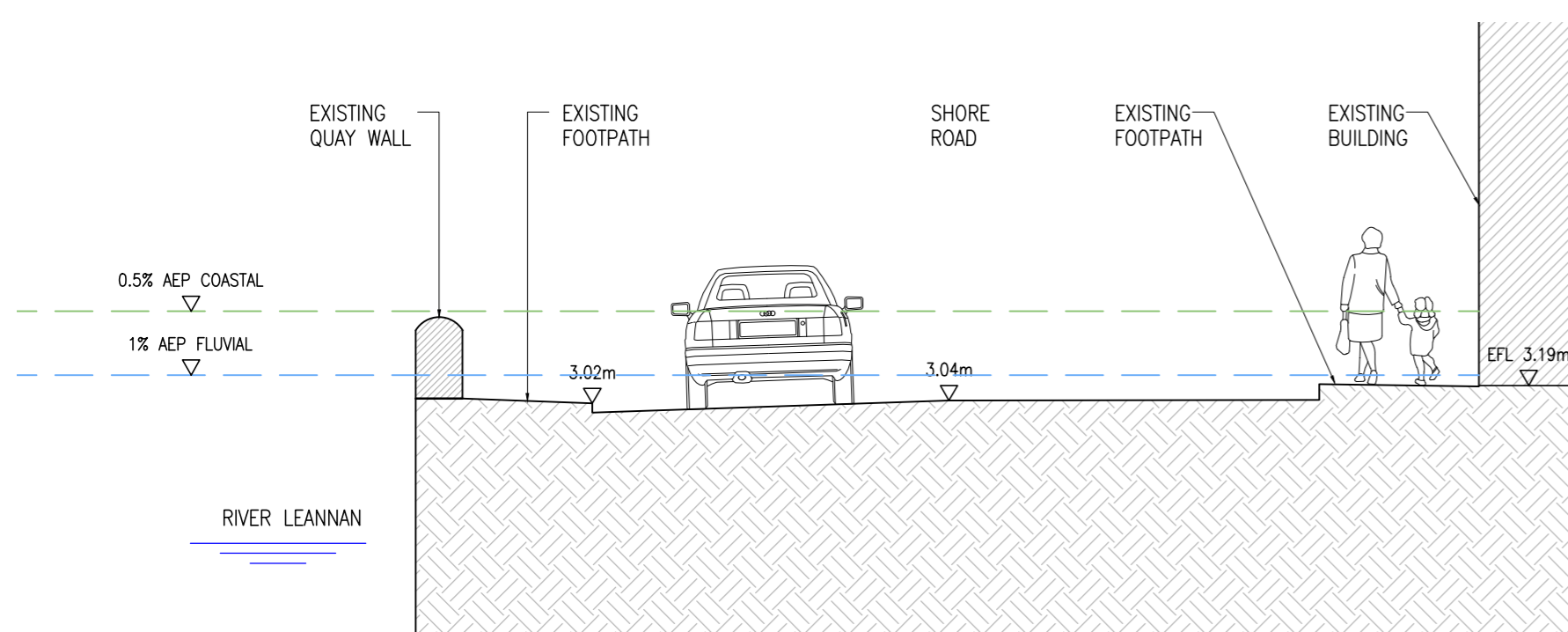
Extents & Heights



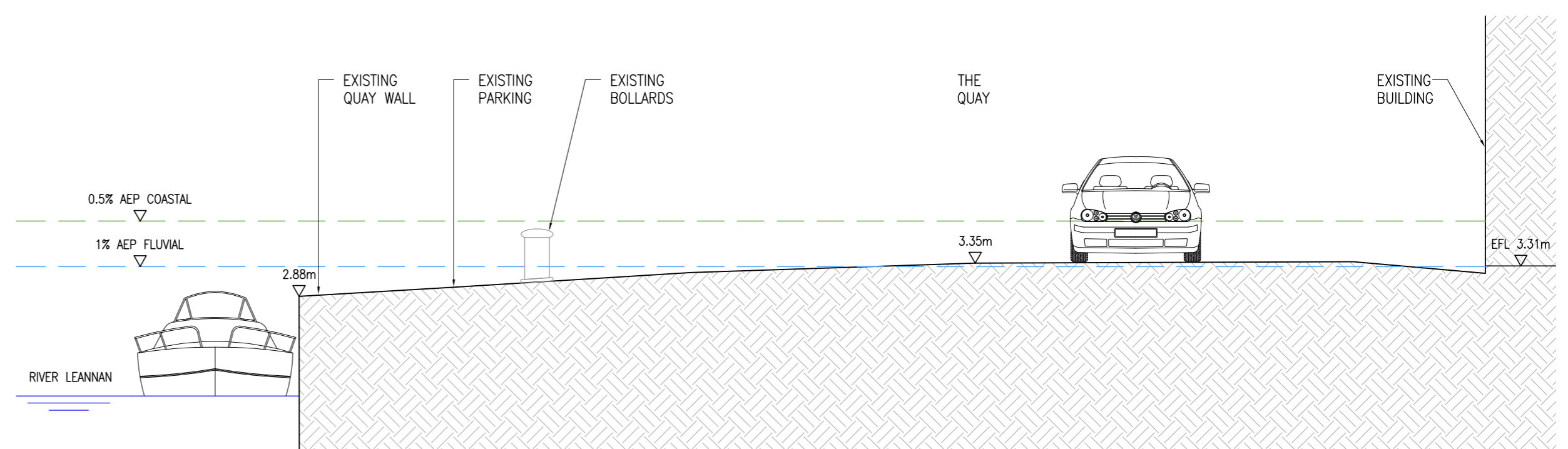
FLUVIAL FLOOD EXTENT



COASTAL FLOOD EXTENT

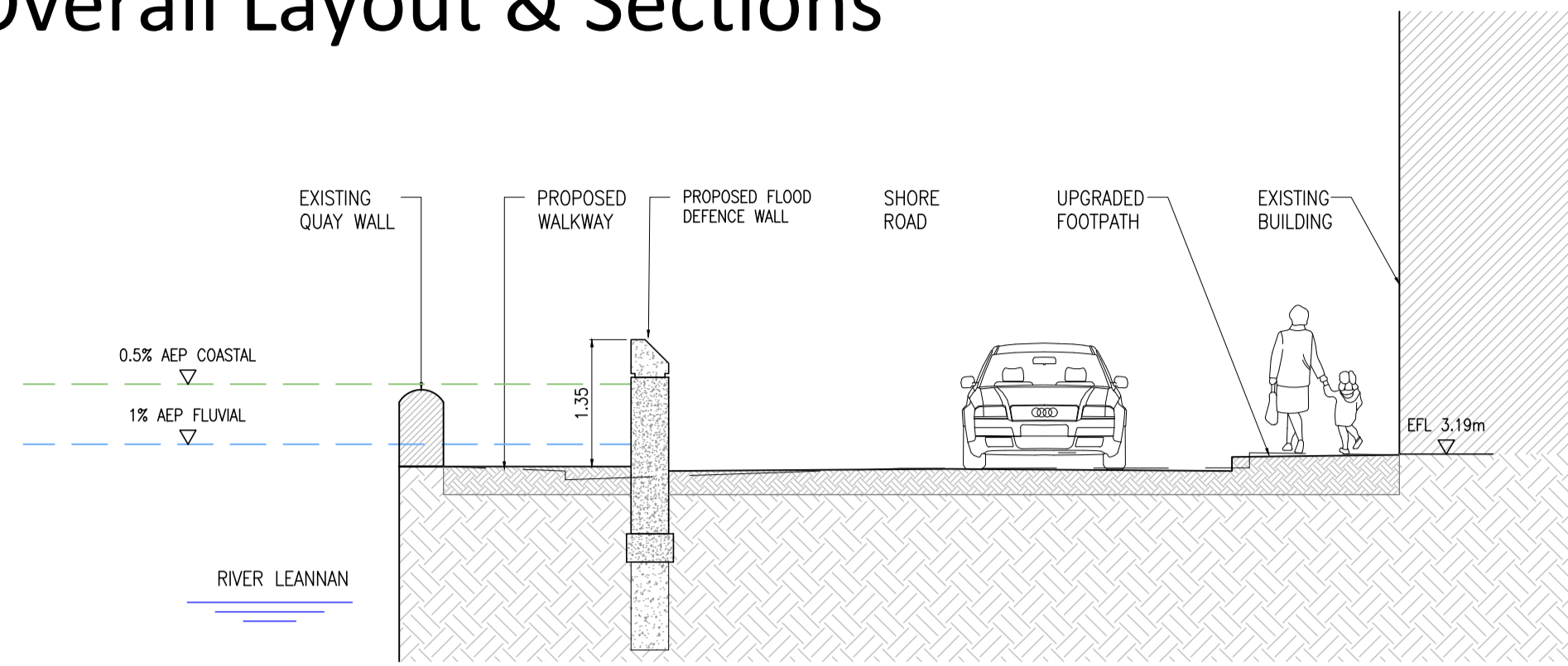


SECTION A SHORE ROAD - UNDEFENDED

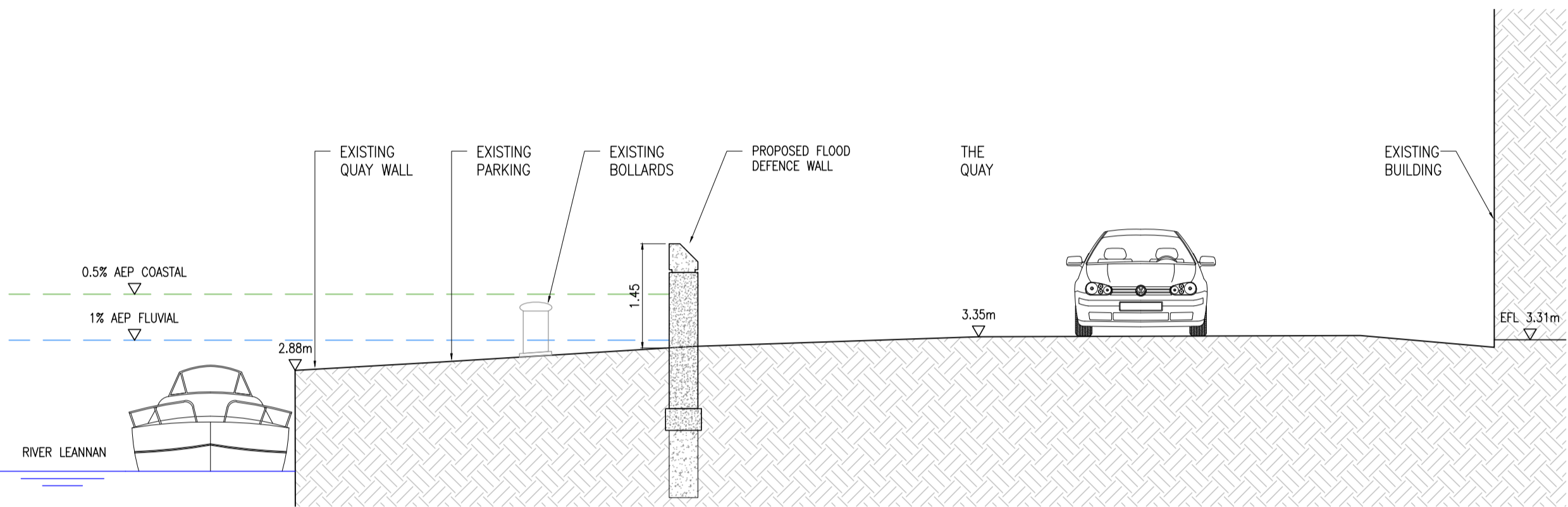


SECTION B THE QUAY - UNDEFENDED

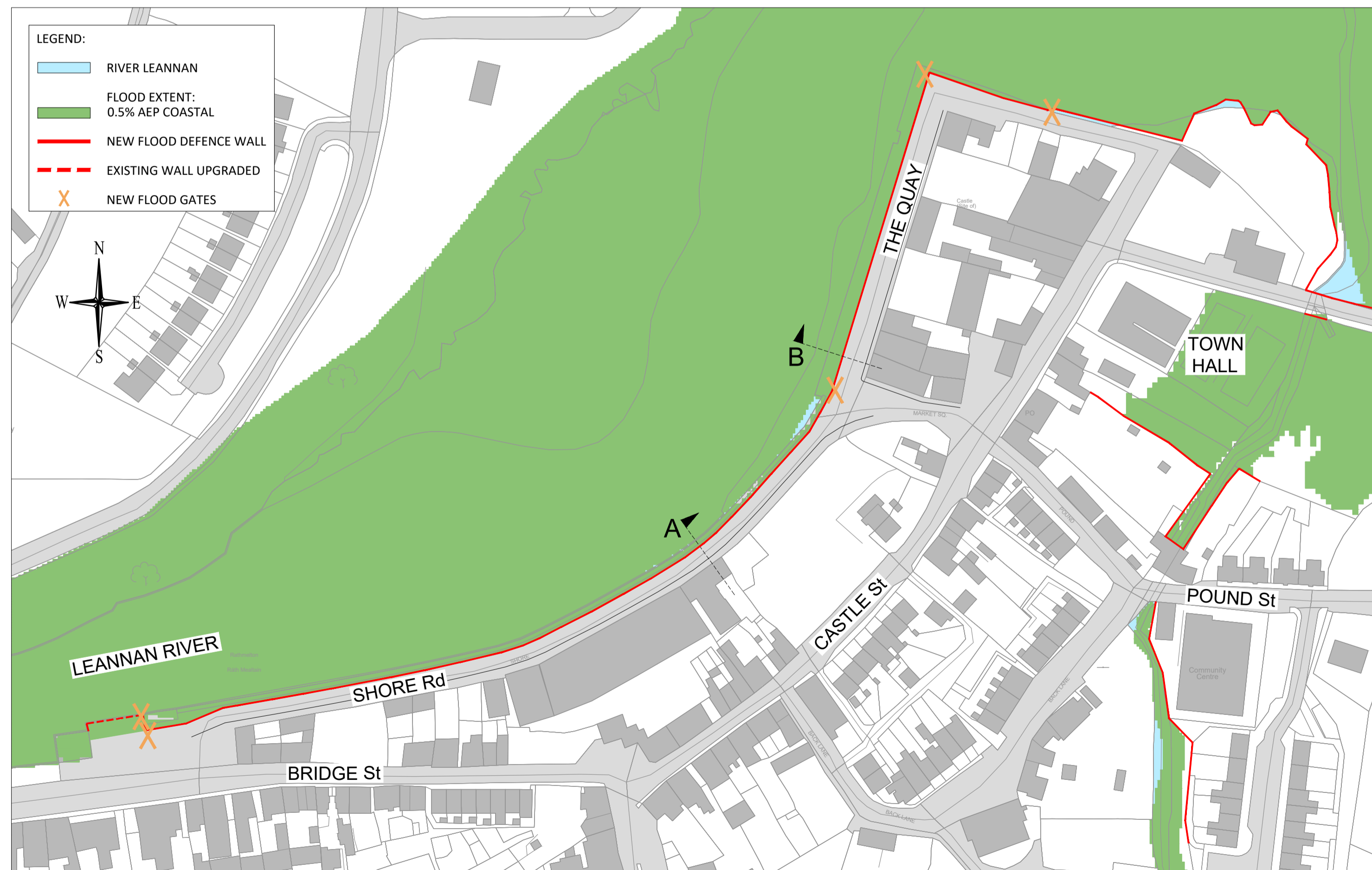
Overall Layout & Sections



SECTION A SHORE ROAD - DEFENDED



SECTION B THE QUAY - DEFENDED



Options Development

A list of viable options which are likely to be successful in achieving the Scheme Standard of Protection (SoP) is proposed below;

- Flood Resilient Measures
- Rehabilitate/Improve Existing Defences
- New Hard Defences

The preferred scheme will be selected based on a balance between the technical, economic, cultural heritage, social & environmental aspects of each option.

Examples of Flood Resilient Measures



Stainless Steel Kitchen Units



Kitchen Design With Flood Resilient Materials



Raised Electrical Sockets



Water Compatible Flooring



Water Compatible Internal Walls



Flood Resilient Flooring



Raised Appliances in Utility Room

Indicative Flood Defence Height - The Quay

FLOOD DEFENCE HEIGHT

