

Introductions



Tionscadal Éireann
Project Ireland
2040



OPW Oifig na
nOibreacha Poiblí
Office of Public Works

- **Steering Group**

- **Limerick City & County Council**

RYAN ■ HANLEY consulting engineers

- **Key Stakeholders**

- LCCC Departments
- Local Stakeholders
- Environmental Stakeholders
- Other Project Teams



Agenda



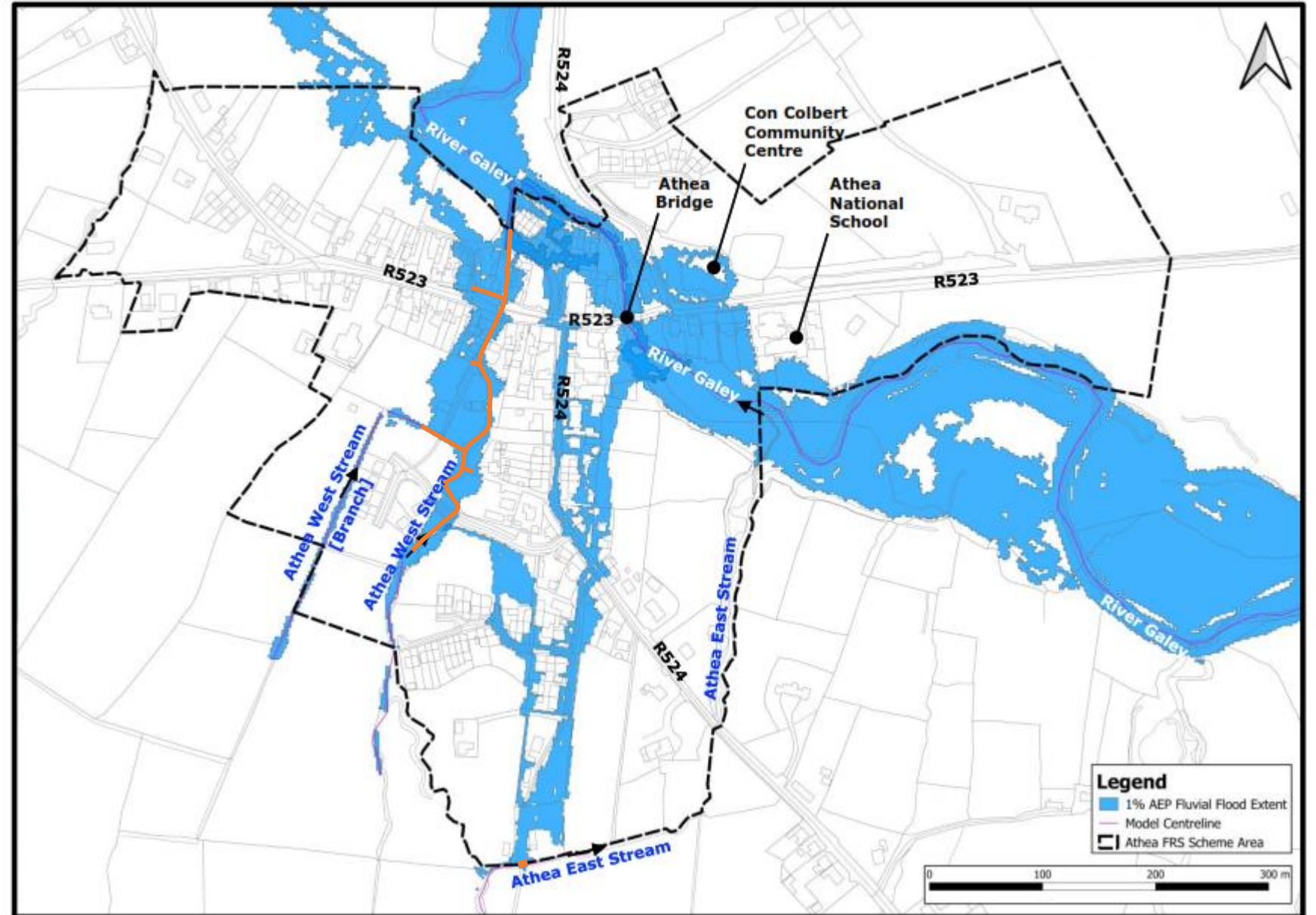
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- Background to Project and Progress to Date
 - Prevailing Flood Risk and Key Constraints
 - Proposed Scheme
 - Next Steps
 - Questions

Background to Athea FRS

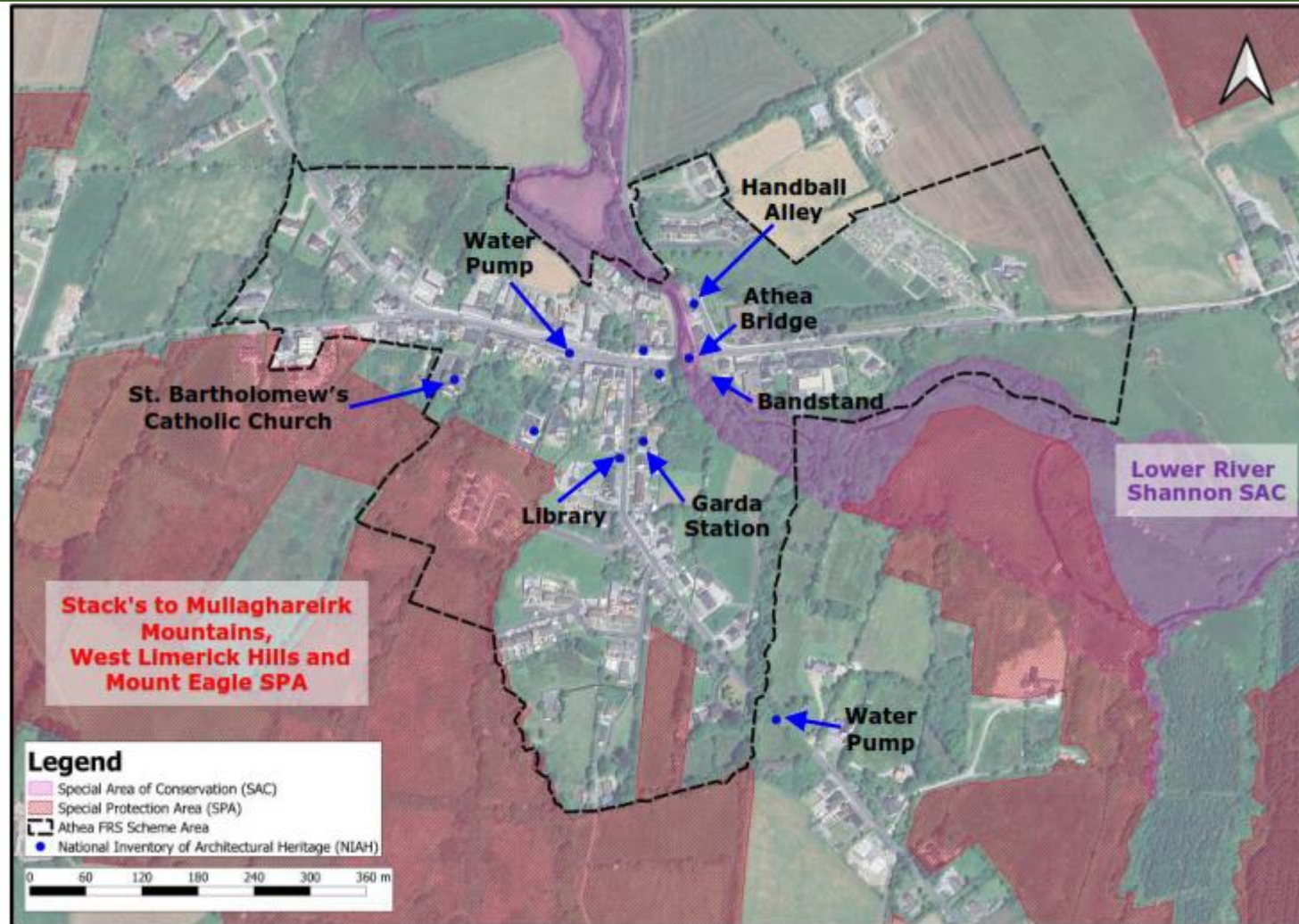
- Catchment Flood Risk Assessment and Management (CFRAM) Project
- Athea identified as an Area for Further Assessment (AFA)
- Current Project Initiated and Team appointed in 2019
- Primary Goal is to Identify and **Environmentally Acceptable** and **Cost Beneficial** Scheme with 1% AEP Fluvial/ 0.5% AEP Coastal Design Standard.
- Progress to Date includes:
 - Opening Consultation (2020) & Constraints Study
 - Constraints Report August 2020
 - Data Collection, Environmental Surveys and Investigation Contracts
 - Hydrology, Hydraulic Modelling & Draft Flood Mapping, Geotechnical Assessments
 - Public Consultation No.2 Q1 2024 [Emerging Preferred Scheme]
 - Scheme Refinement, Environmental Impact Assessment Reporting and Preparation of Planning Documentation



Fluvial 1% AEP Flood Mapping



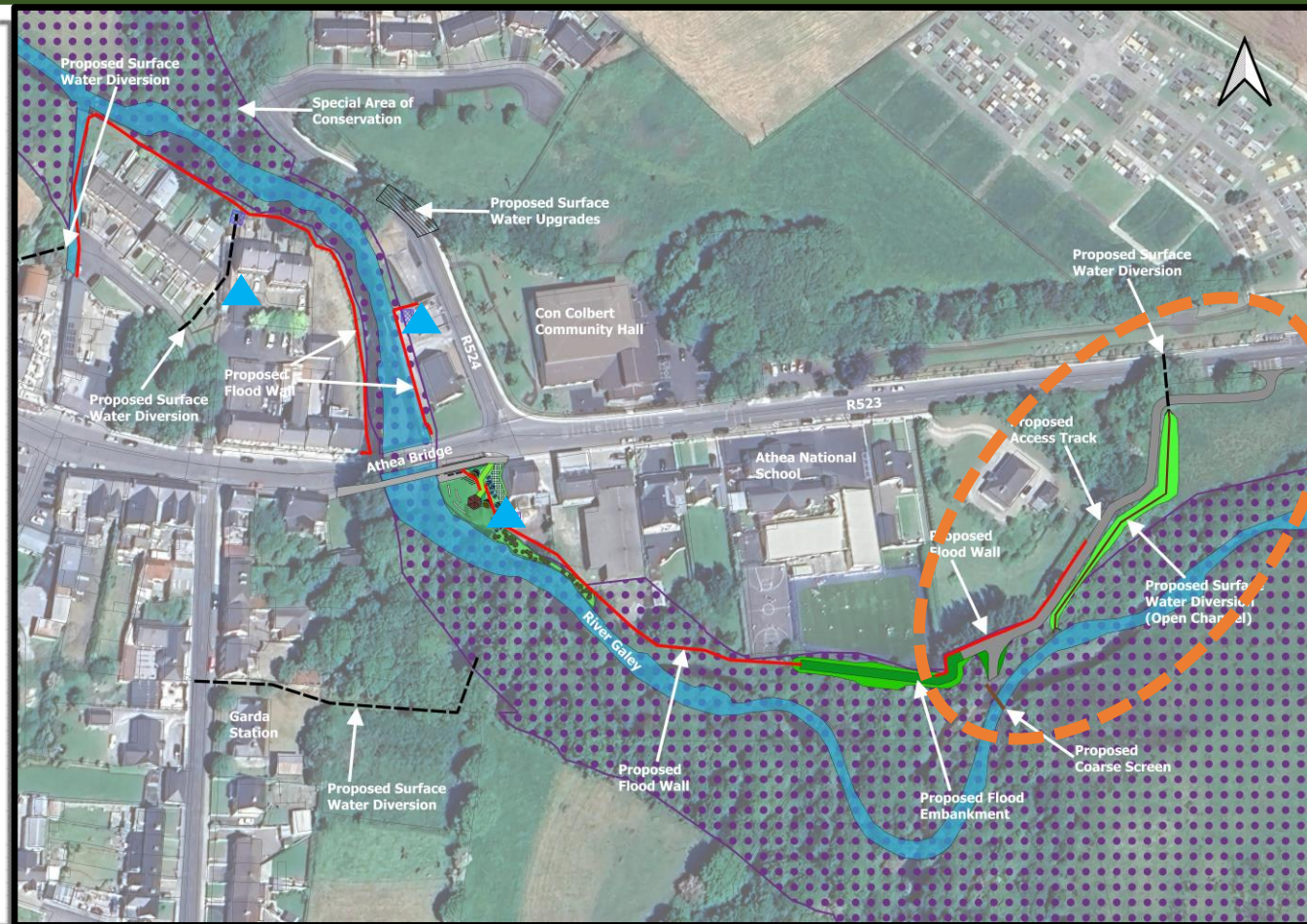
Environmental Constraints Mapping



Proposed Scheme (Athea Village)

River Galey:

- Flood containment/ defences at the locations shown. Where space is available, embankments are preferred. This is only possible at Athea NS. Take a closer look at sketch provided for the Bandstand Area in the next poster.
- Three new pumping stations at locations shown thus: ▲
- Sediment Management involving periodic removal of excess gravel deposits in areas which are particularly hydraulically sensitive, e.g. at Athea Bridge.
- Coarse screen [debris management] at the location shown, incl. access track from R523.



Public Realm Enhancement

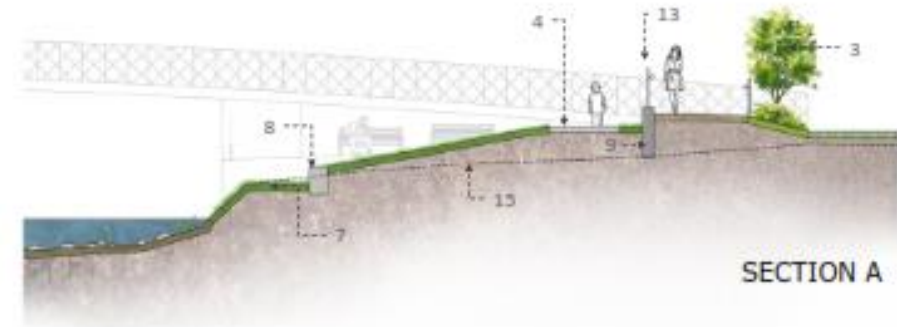


Public Realm Enhancement

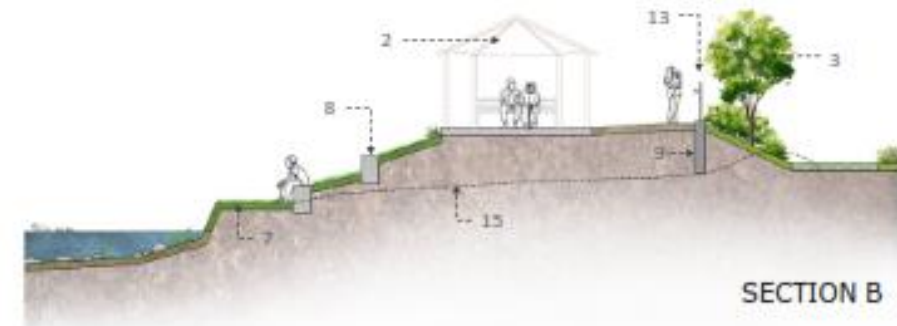
- 1 Sloped access path over flood defence wall (approx. 1:12)
- 2 Gazebo with seating relocated as focal point within space and viewing platform
- 3 Pollinator shrub planting for biodiversity
- 4 Informal stepped access
- 5 Single point tie-in point between flood defence wall and existing bridge structure
- 6 Partially retain stone-faced concrete plinth area with benches to south of bridge
- 7 Level edge to riverbank
- 8 Informal seating blocks on slope facing river for amenity and to interrupt run down hill
- 9 Flood defence wall (Flood defence wall foundations are not shown); Stone face within park area
- 10 Planted embankment to east of flood defence wall to minimize visual impact of wall
- 11 Relocation of memorial plaque
- 12 Planting to south of pocket park to help stabilise bank and deter access
- 13 Safety rail
- 14 Proposed trees and shrubs to minimize visual impact of flood defence wall
- 15 Existing ground level



ARTISTIC IMPRESSION OF WEST ELEVATION



SECTION A

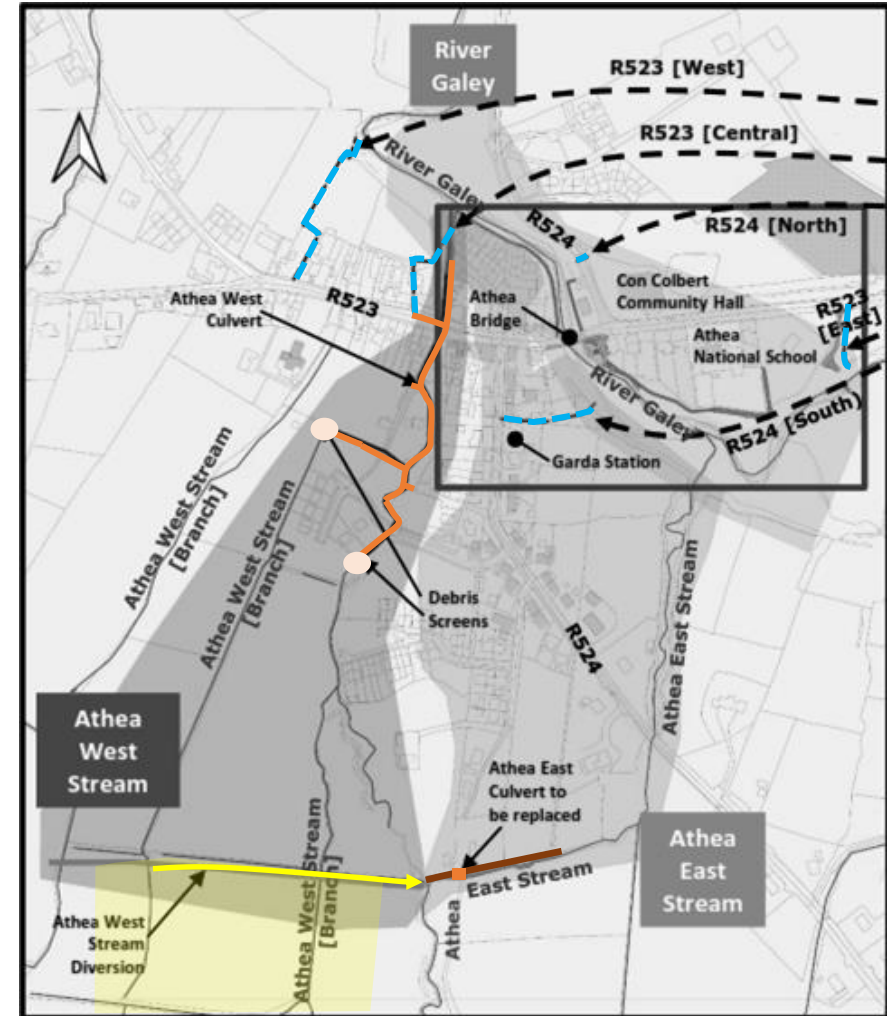


SECTION B



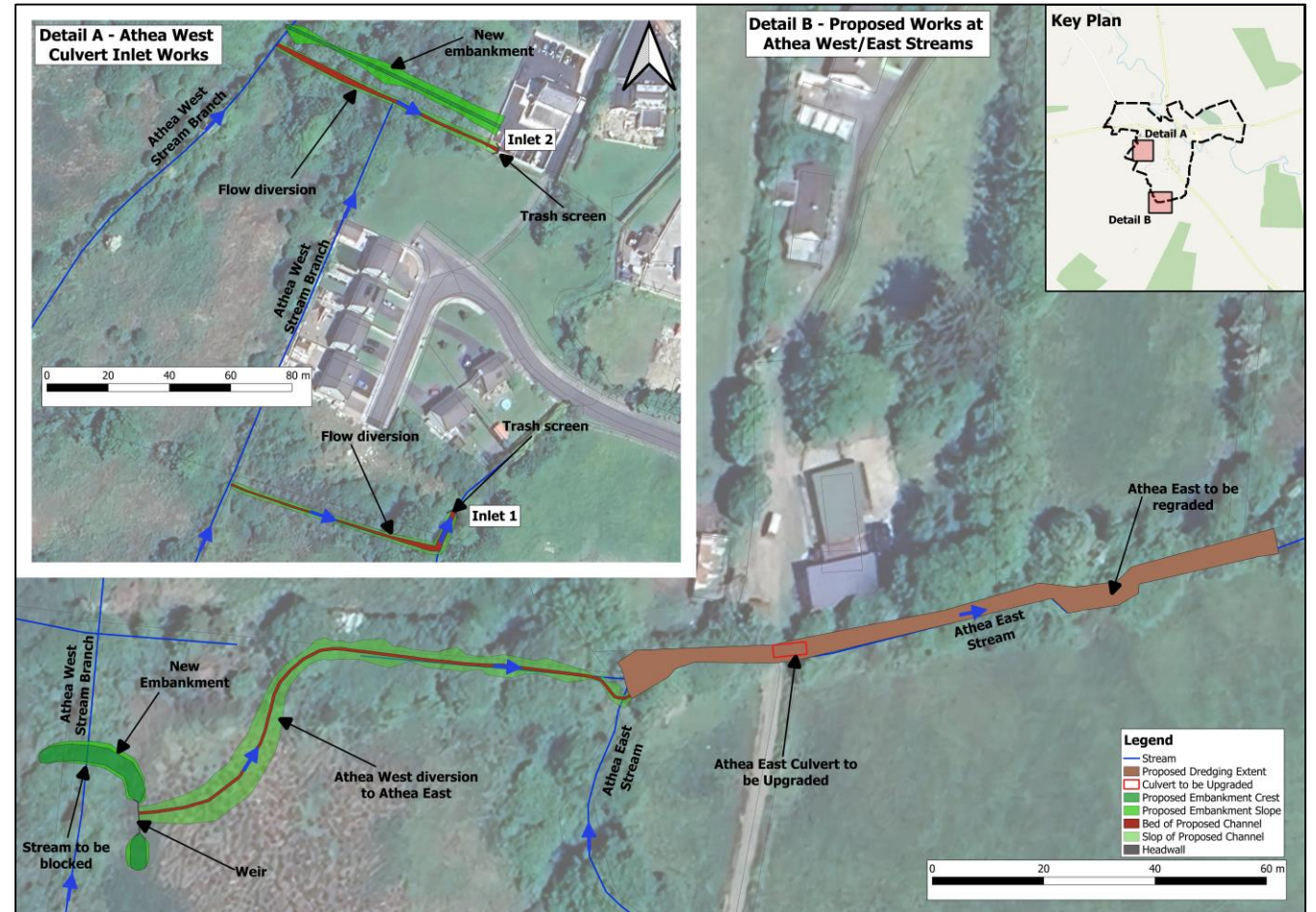
Proposed Scheme (Tributaries)

- Three separate watercourses along with pluvial risk
- Galey SAC



Proposed Scheme (Tributaries)

- Tributaries (Athea East and West)



Sediment Control



Figure 2-21: River Galey Horizontal Alignment at Athea (upstream reach) (1800 – Present)



Figure 2-22: River Galey Horizontal Alignment at Athea (downstream reach) (1800 – Present)

Red: Townland Boundary. Townland boundaries often follow the routes of natural features, such as streams, ridges, etc. In this case, the townland boundaries are indicative of historic route of the River Galey.

Blue: First Edition OS Maps. These were prepared c1830s/40s and show the channel route at that point in time.

Amber: Second Edition OS Maps. These were prepared c1900 and show the channel route at that point in time.

Green: Current Aerial Imagery. This reflects the current path of the channel

See also Figures 2-28 and 2-29 below.

Next Steps



- Landowner liaison and finalise Planning Drawings
- Finalise EIAR & NIS (drafts currently being updated)
- Gateway Approval 1 (GA1) submission to OPW
- Provided GA1 approval is forthcoming, Planning Application to An Bord Pleanála under Section 177AE of the Planning and Development Act.

Thank You



Comhairle Cathrach
& Contae **Luimnigh**

Limerick City
& County Council

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