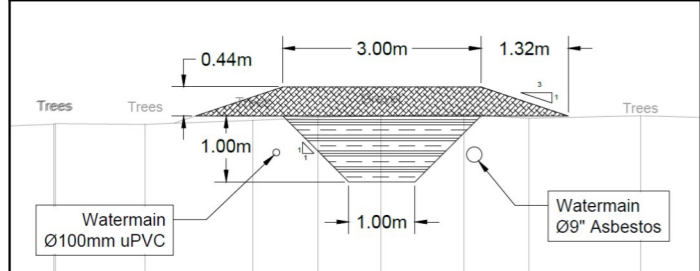




Embankment
 The proposed embankment for the Brittas Wood area will have a crown width of 3.00m and a length of 137.40m approx.

Tree disturbance will be minimised by building on the current trail alignment.

The trail will be risen as a result and finished with a suitable surfacing.



Embankment Cross Section



Proposed Embankment Location

Culvert with a Non-Return Valve
 A 600mm pipe crosses the loop walk path currently.
 This will be replaced, if necessary, and a non-return device fitted.
 This will prevent water backing up into the stream during a flood event.

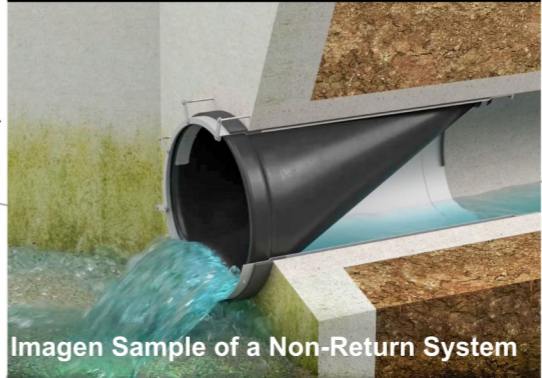
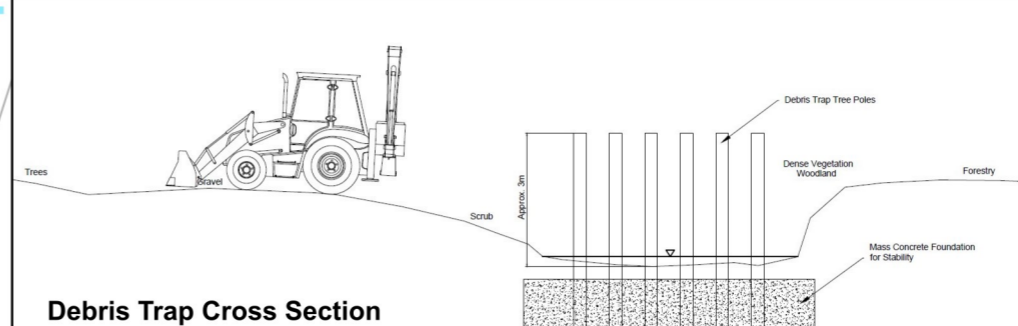
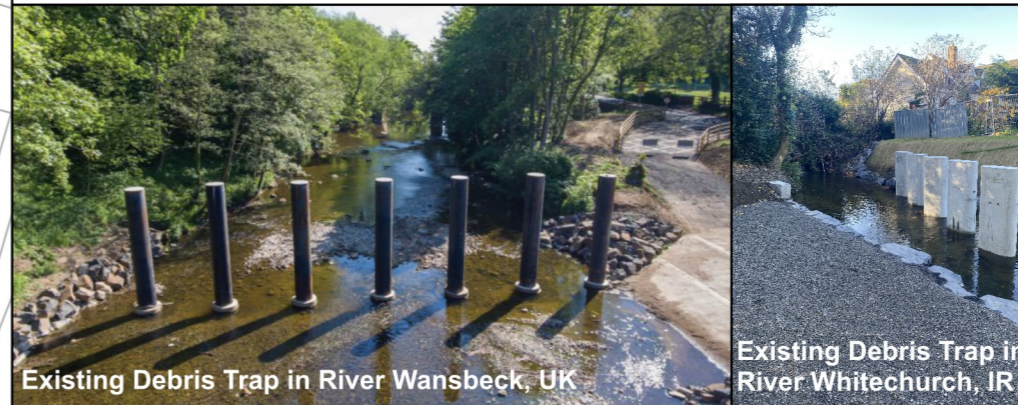


Imagen Sample of a Non-Return System

Debris Trap
 Blockage at the downstream bridge will be prevented by a debris trap in this location.
 We propose a 'tree pole' type debris trap that catches larger branches and trees.
 Six number poles will be installed across the channel, installed in a concrete base.
 A small slipway will be constructed to allow removal of debris.

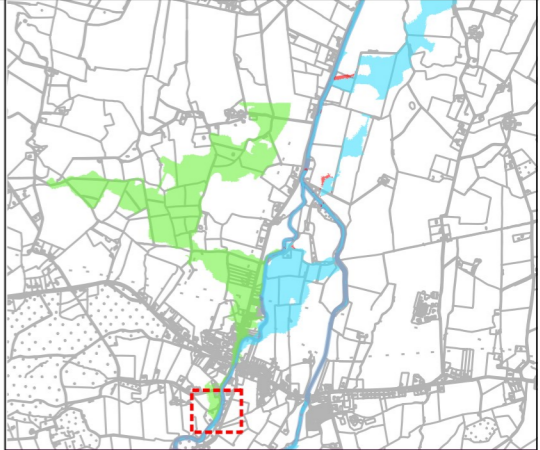


Debris Trap Cross Section



Existing Debris Trap in River Wansbeck, UK

Existing Debris Trap in River Whitechurch, IR



Legend

- 1% AEP - Pre & Post Scheme Floodplain
- 1% AEP - Post Scheme - New Flooding
- 1% AEP - Post Scheme - Benefitting Area
- Embankment
- Debris Trap
- Culvert with Non-Return Valve
- Watercourse
- OS MAP Line

Client **Laos County Council**

Project **Clonslee Flood Relief Scheme**

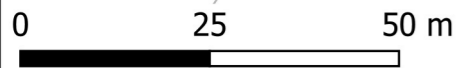
Title **Proposed Defences Area 1: Brittas Wood**

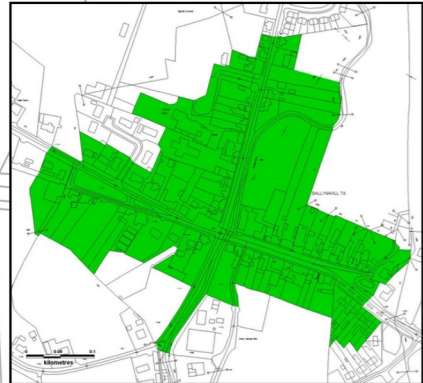
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Issue Details

File Identifier: MDW0867QG0102		
Status: S2	Rev: P01	Model File Identifier: MDW0867QG0100
Drawn: JM	Date: 06/12/2023	
Checked: BC	Scale: 1:500 @ A1	
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Area of Architectural Conservation



Minimise Impact on Woodland



1. Protection of Water Abstraction Infrastructure



2. Access to Brittas Loop Walk Amenity

Construction Compound A

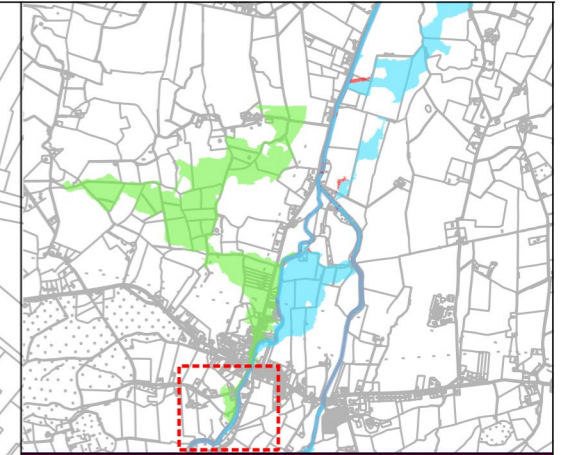


3. Access via Well Maintained Local Road




4. Weir with potential historical heritage value

Embankment & Debris Trap Construction Site



Legend

- Construction Sites
- Watercourse
- OS MAP Line

Client  Laos County Council

Project Clonslee Flood Relief Scheme

Title
Construction Considerations
Area 1: Brittas Wood

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