

Project Aim

To assess, develop and design an appropriate, cost-effective and sustainable flood relief scheme that is technically, socially, environmentally and economically acceptable and aims to reduce flood risk to Castleconnell.

Project Programme

Stages	2019				2020				2021				2022				2023				2024				2025				2026			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Stage I																																
Stage II																																
Stage III																																
Stage IV																																
Stage V																																

Current stage
 Approx. Planning Submission Date
 Approx. Construction start date

Flood History

- 2009
- 2015
- 2020



Stages of the Scheme

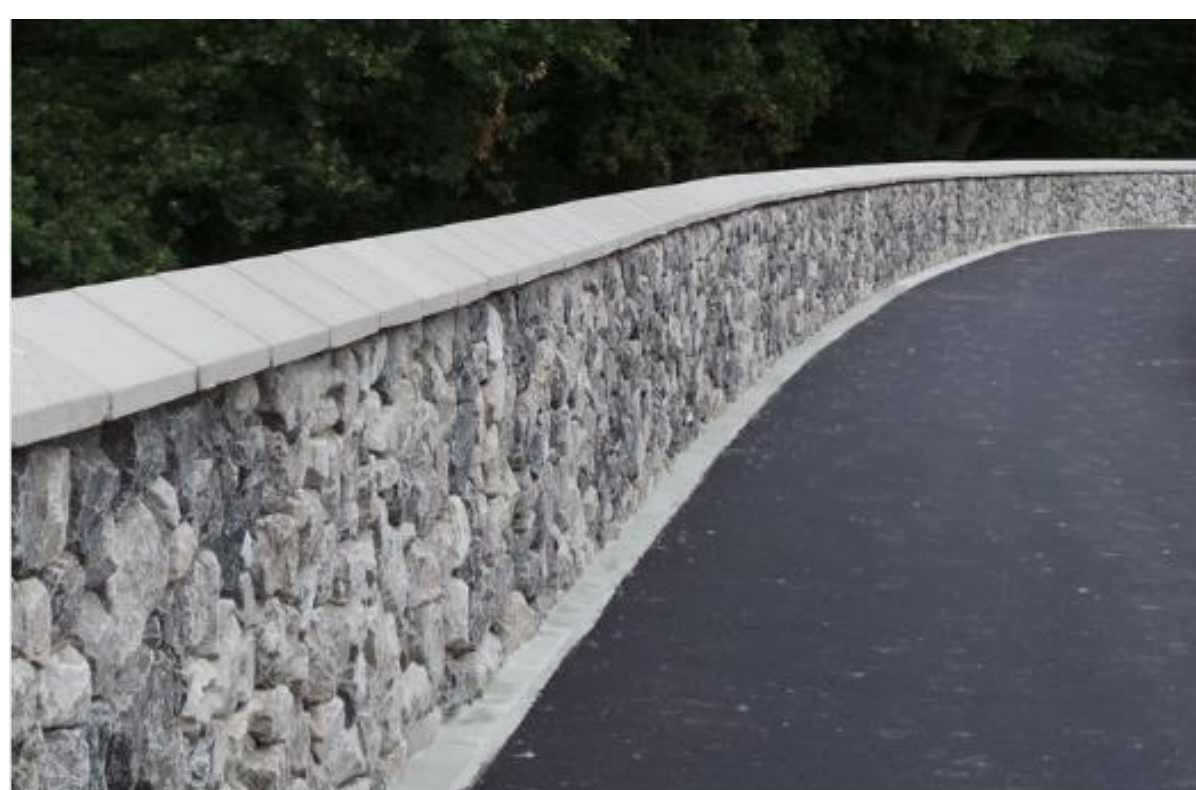
Stage	Statutory Process	
I	Scheme Development & Design	Habitat surveys
	Data Collection & Review	Bat surveys
	Constraints Study	Bird surveys
	Baseline Surveys	Topographical survey
	Hydraulic Modelling	River survey
	Initial Public Participation	CCTV sewer survey
	Options Development	Site investigation
	Further Surveys	Aquatic electro-fishing survey
	Options Appraisal	Alluvial woodland survey
	Environmental Assessment of viable Options	Arborist survey
	Public Participation	Ecological assessments
	Identification of Preferred Scheme	Cultural heritage assessments
	Preliminary Design	Archaeological assessments
	Screening for Appropriate Assessment	Cost-benefit assessment
II	Environmental Impact Assessment Report	Multi-criteria analysis
	Public Participation	Climate change adaptation plan
	Close out Options Report	
	Planning	
	Collate Planning Documentation	
III	Submission of Planning Application to An Bord Pleanála	
	Detailed Design & Tender	
IV	Construction	
V	Handover to Client	

Flood Measures

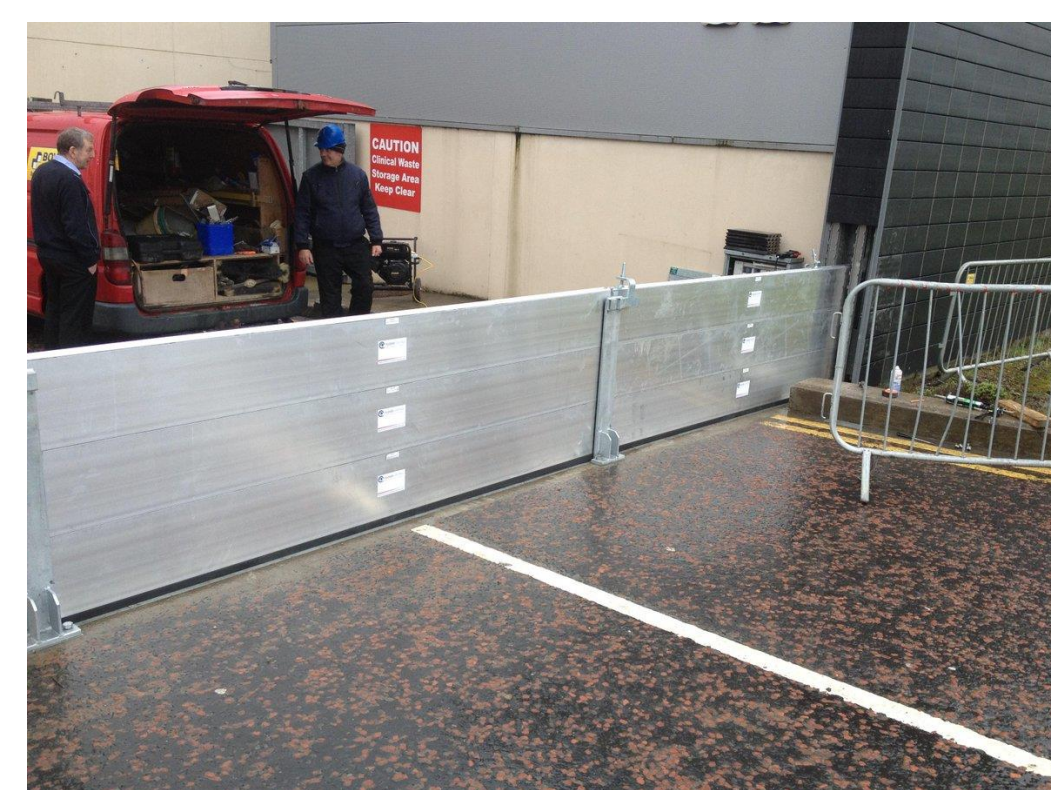
- Flood attenuation
- Conveyance Improvement
 - In-stream works
- Containment
 - Flood Walls
 - Embankments
 - Demountable Barriers
 - Road Raising



Example of flood embankment (River Tillingham)
 (Image copyright: N Chadwick under the licence Creative Commons – Attribution-ShareAlike 2.0 Generic – CC BY-SA 2.0)



Example of stone clad flood wall
 (Image source: externalworxindex.co.uk)



Example of demountable barriers
 (Image source: Flood Gates Ireland)

As Castleconnell has a rich cultural heritage it is important that the defences proposed are of a high quality finish and are in-keeping with the existing character of the village.