

# Scheme Considerations



Figure 2: Green Infrastructure solution to stormwater runoff (source: mapc.org)

## Public Realm Opportunities

The scheme will maximise opportunities for public realm adjacent to flood defences, the development of flood defence embankments as greenways, and the integration of pedestrian and cycle routes within the city and environs along with the incorporation of nature-based solutions and green infrastructure.

## Sustainability

As part of the Limerick City and Environs Flood Relief Scheme, RPS will assess and implement sustainable solutions wherever possible. This includes the use of soft engineering solutions and the implementation of Natural Water Retention Measures.



Figure 1: Limericks Existing Embankments

## Natural water retention measures

Natural water retention measures (NWRM) aim to safeguard and enhance the water storage potential of landscape, soil, and aquifers, by restoring ecosystems, natural features and characteristics of water courses. RPS will assess the implementation of NWRM such as the restoration of rivers and floodplains, and sustainable drainage systems etc. to provide sustainable flood management solutions.



Figure 3: Natural Water Retention basin/pond (source: Global water Partnership)



**OPW**

Oifig na  
nOibreacha Poiblí  
Office of Public Works



Comhairle Cathrach  
& Contae Luimnigh  
Limerick City  
& County Council

**RPS** MAKING  
COMPLEX  
EASY