

# KENDAL TOWN VIEW FIELDS

SCRT were the lead partner for a collaborative Natural Flood Management (NFM) project in the heart of Kendal. Funded by landowners South Lakeland District Council and the Environment Agency, this project provides a public demonstration of NFM that delivers science led NFM techniques for use in an urban setting. The project was also supported by Friends of Nobles Rest and R.G. Parkins & Partners Ltd, who carried out hydrologic and hydraulic modelling that we used to optimise the design in order to help reduce peak flows during targeted storm events.

After two years scoping the project, practical work began in August 2020 by our Cumbria based contractors, Catchment Designs Ltd. We continue to monitor the interventions in order to fully assess the viability of using NFM techniques in urban areas.



## NFM Interventions

- De-culvert and de-commission of the existing 90metre stone-walled culvert through the site.
- Creation of a new open meandering channel.
- Creation of bunds and leaky dams using natural materials (earth and timber), to temporarily store and attenuate peak flows from the watercourse during storm events.
- Protection of the new channel bed and banks with erosion control measures.
- Construction of a formal headwall to collect and convey flows back into the existing culvert downstream of the site.
- Construction of an impermeable bund to reduce the likelihood of exceedance flow entering neighbouring land.
- Tree planting and encouraging grassland habitats through sowing conservation grass seed mixes.

