

greener waste
technology



Innovative by nature

Modular Storm
treatment Wetton-
Severn Trent

The Project

The site had an existing reed bed for storm treatment that was at capacity.

A solution was required to treat up to 20l/s storm flows

STW created a unique no power solution to support the existing bed in conjunction with the GWT Modular Reed Beds.

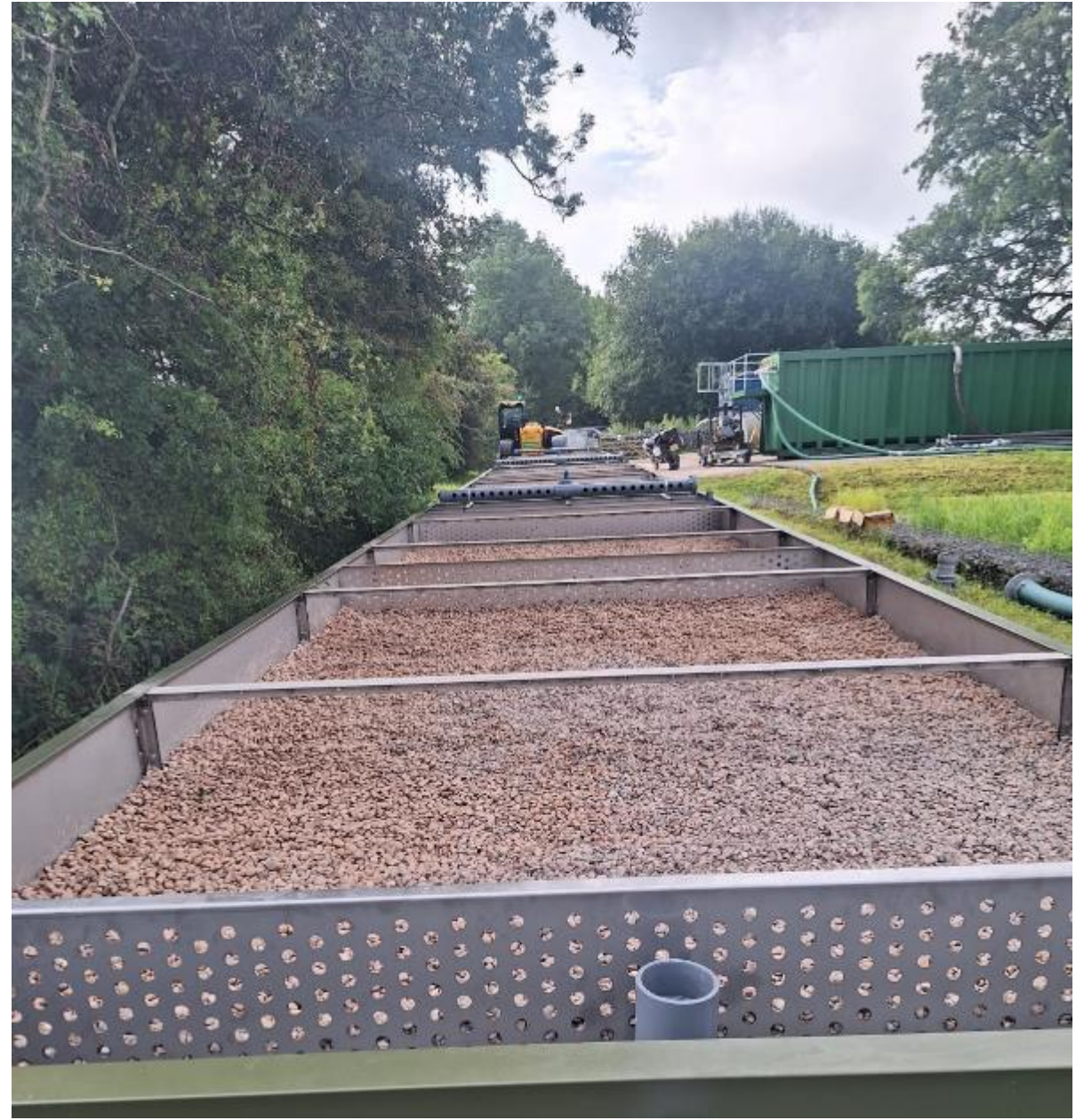


Phase 1, simple screening tank

As part of this stormwater treatment scheme at STW GWT were asked to construct a simple hook-lift screening tank to STW spec. It does not need electricity or automation- it is manually cleaned and operated and used whenever a storm incident occurs.

Phase 2, 3 x Modular Reed Beds 3mx10m including sludge interceptor chambers.





Images of other installations
once reeds are established:





Beds can be isolated one at a time to facilitate cleaning after a storm incident or mechanical failure on site with no risk to consent.

Small footprint and moveable/adjustable for maximisation of whole of life use.

Modular beds can have different media in each section, flow balancing, sludge capture, aeration, telemetry or P removal additions

Sludge collection and removal allows for a smaller footprint as beds can easily be remediated.

Beds are prefabricated away from site and assembled in as little as one day. The prefabrication reduces H&S risk by 80%

Benefits of the Modular approach