UK first for Hulland Ward !

First sewage works replacement by Vertical Reed Beds in the UK !

It’s all about Innovation !

It’s all about the Environment !

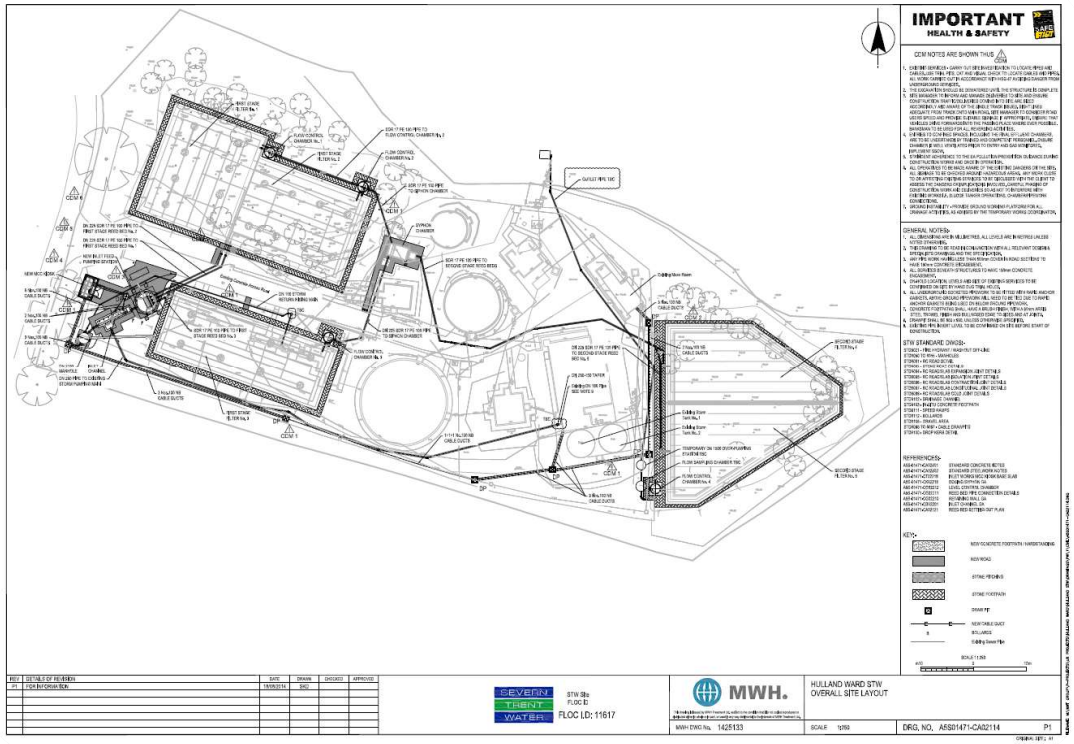
Vertical Reed Beds make “good business sense”

Cost effective replacement for life expired assets

Minimise H&S risks

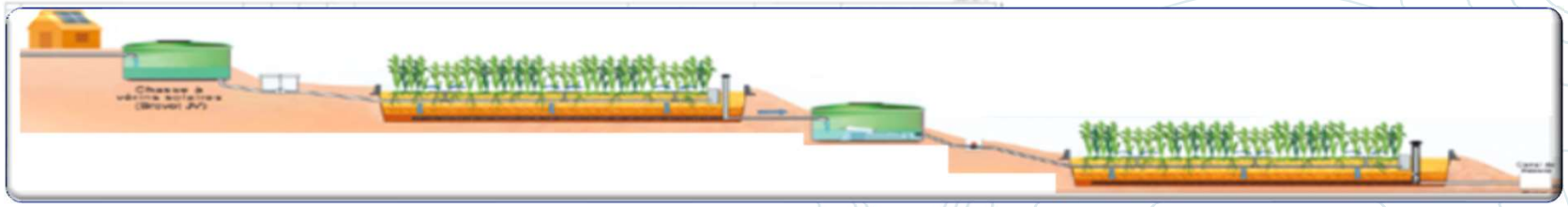
Good marks for Geography

A truly sustainable and inventive solution



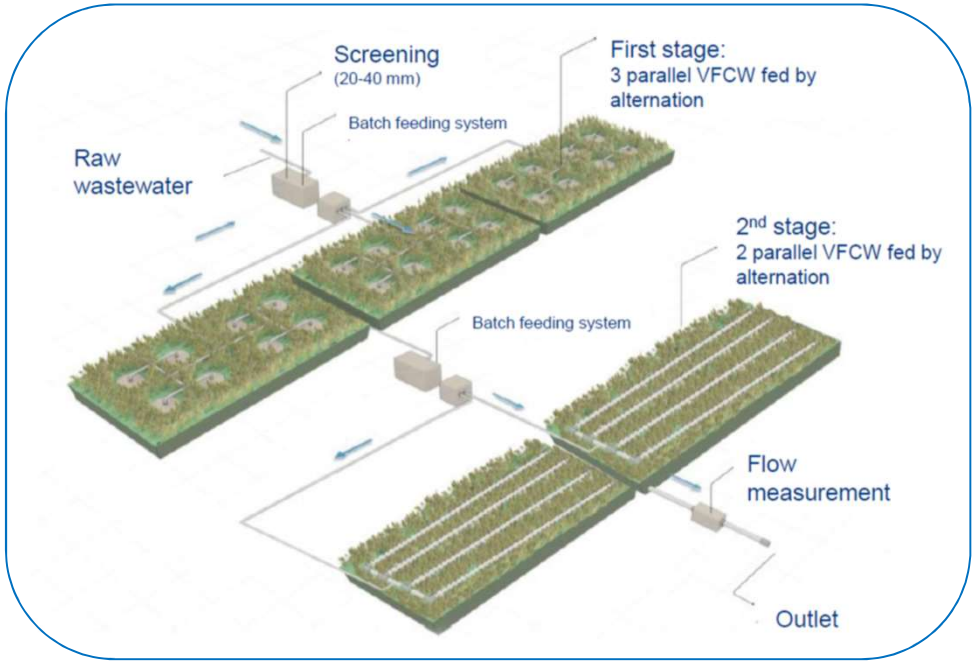
An innovative process that replaces an entire existing works

Fits in with Severn Trent's "Rural Catchment" model



"… clever use of Siphon Chambers to reduce power requirements"

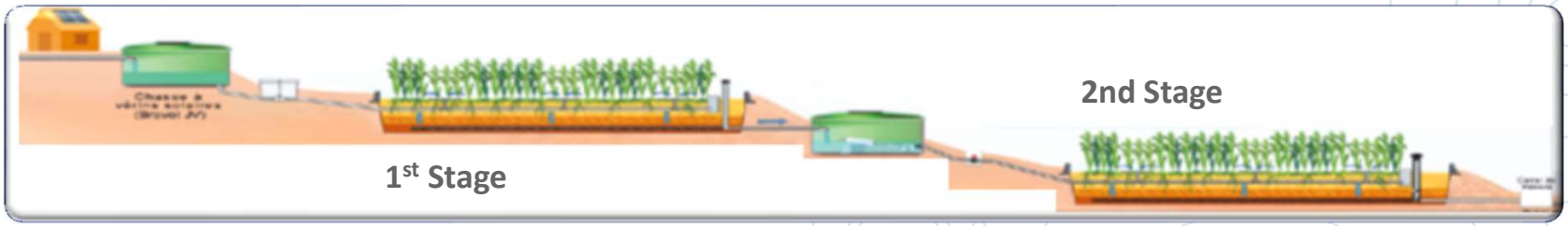
Embedding innovation



Proven technology developed in France

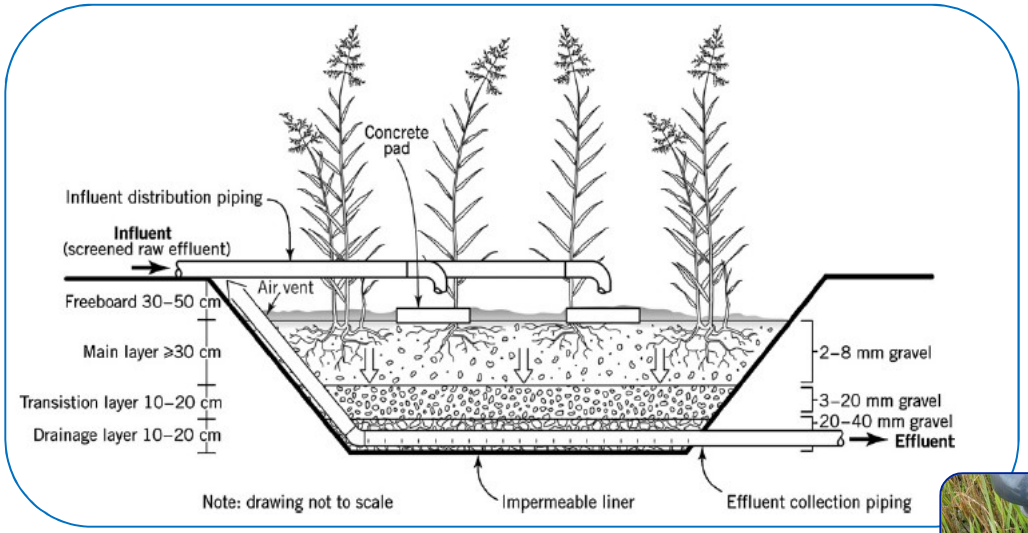
Simple Process That Works

Lowest Totex solution



"… provides a complete treatment process for raw sewage"

Complete process for sewage treatment

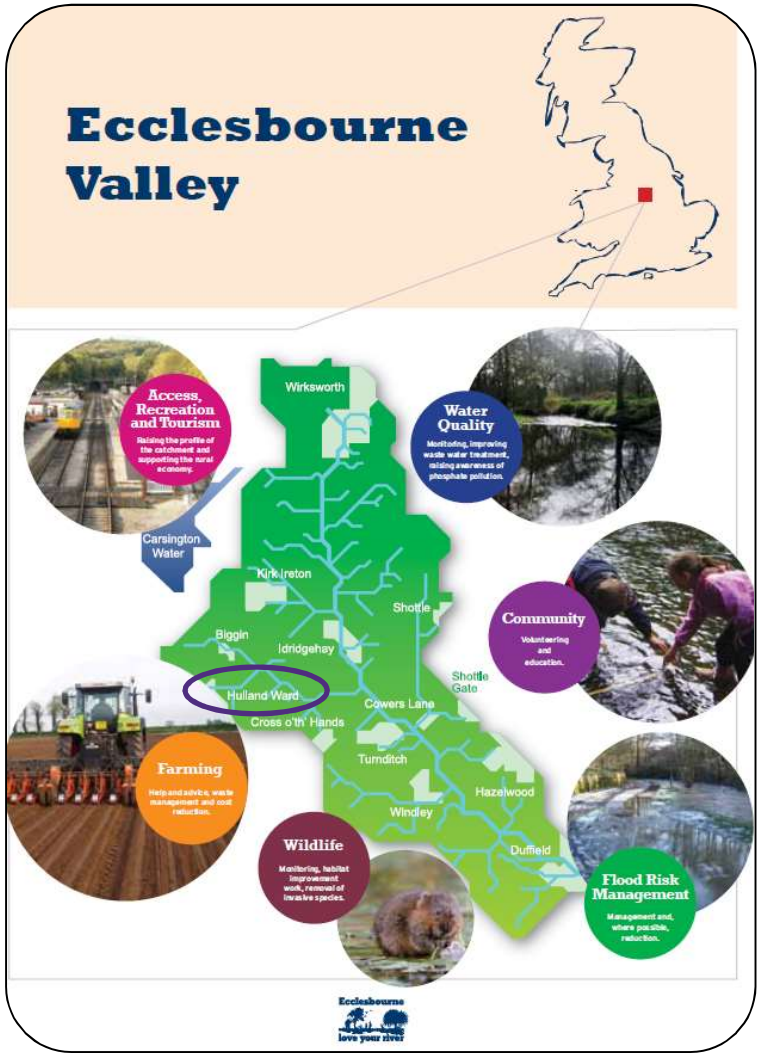


Batch flow process promotes aerobic degradation

Solids retained and treated within the beds

"… a low-tech green solution that reduces visual impact in a rural community"

Meeting local environmental expectations



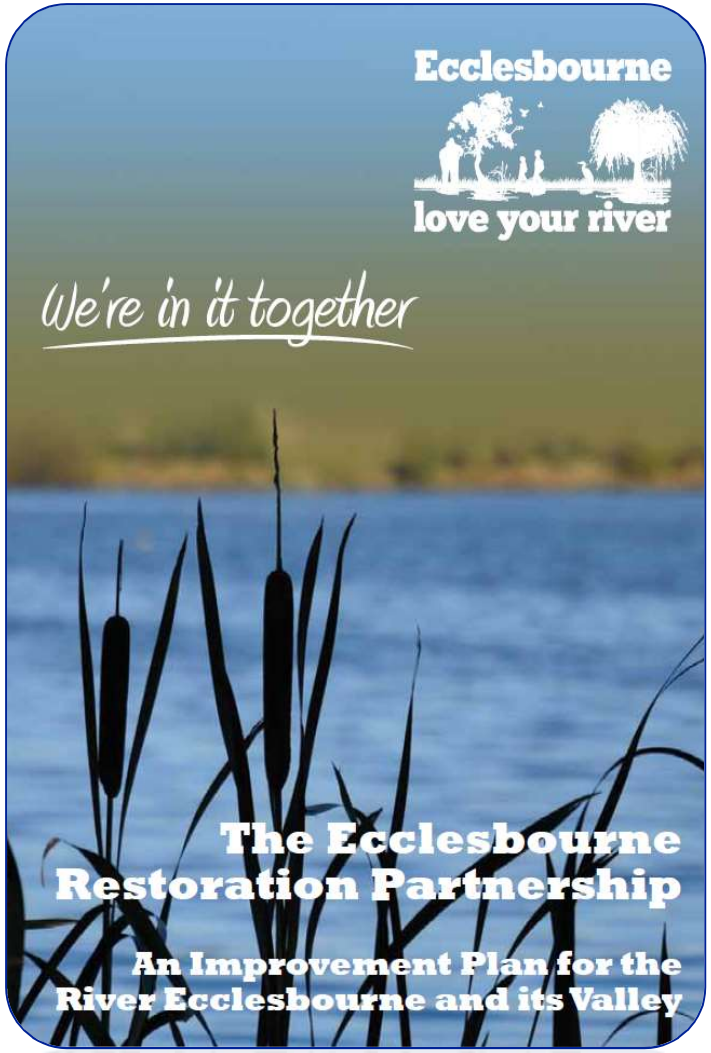
Catchment modelling

Low odour technology

Provides wildlife habitat

Low or no noise

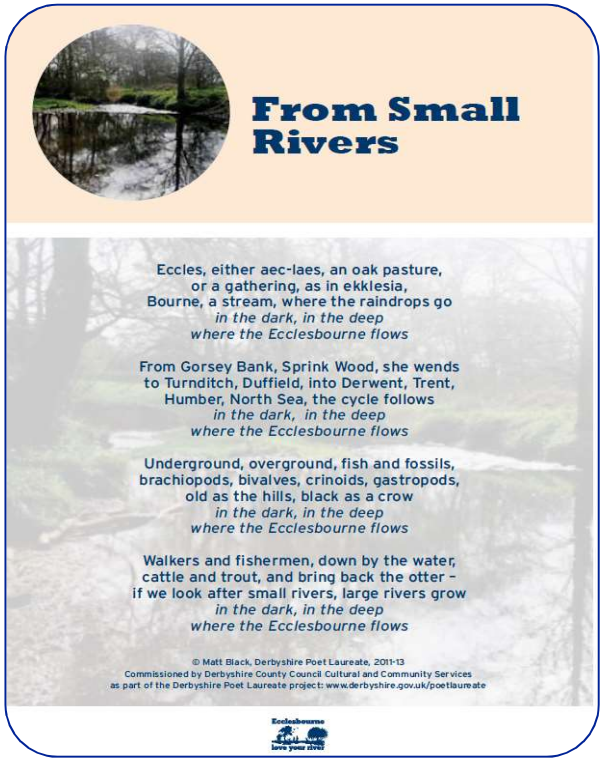
Community benefits from sustainable solution



- Virtually eliminates tanker movements
- Low carbon footprint

- Process reliability = O&M benefits
- Low O&M requirements = low Totex

Vertical Reed Beds - business led innovation!



- First full works replacement by Vertical Reed Beds in the UK
- Low carbon footprint
- Provides a works that fully integrates with the local surroundings
- Low Totex solution

> **… fully aligned to Severn Trent's vision for future sewage works**