Groundwork Landscape Architecture

Wyke Beck Natural Flood Managment

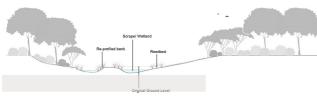
Leeds

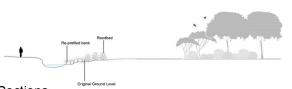






Visualisation of proposed scheme





Sections

Stud

Project Description

Groundwork in partnership with Leeds City Council and the Environment Agency developed proposals for a natural flood managment scheme at Holton Moor Nature Reseve in Leeds. The key aims of the scheme was to reduce flood peaks on Wyke Beck which is particularly prone to flash flood events. This included soft engineering measures such as off line ponds, bank reprofiling works, and woodland planting creation.

The design also allowed for enacement of green infrastructure including construction of new paths, and installation of street furniture. In addition Groundwork carried out consultation sessions with local residents and developed the scheme to meet local needs.

The work was used to secure Growth Fund monies to implement the scheme. The bid was successful and work is planned to commence in summer 2018.

Desire lines to be mowed to ease movement

A
Proposed wildflower meadow/ long grass to be established through scarification and seeding. To increase biodiversity, surface roughness and infiltration.

Existing pump house/ screening chamber

Existing tree and woodland planting

Proposed standard tree planting

to increase biodiversity, reduce surface runoff and enhance landscape setting.

Proposed bulb planting to entrance to increase biodiversity and enhance the access.

Entrance for feature to highlight and enhance flower access point from Neville Road

Services: Community consultation

Survey and analysis Landscape design Detailed design Quantity surveying NFM design

Client: Leeds City Council

Budget: Approx. £350k

Outcomes: Reduced peak flows, enhanced

wildlife and recreational value

Delivery: 2018-19

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Wildflower meado long grass/ scrub

Directional Signage

Heavy Standard

Tarmac Path

Steel Entrance Feature

Spring Bulb Planting

Photomontage Locations

Previously mown gras areas to be managed as meadow