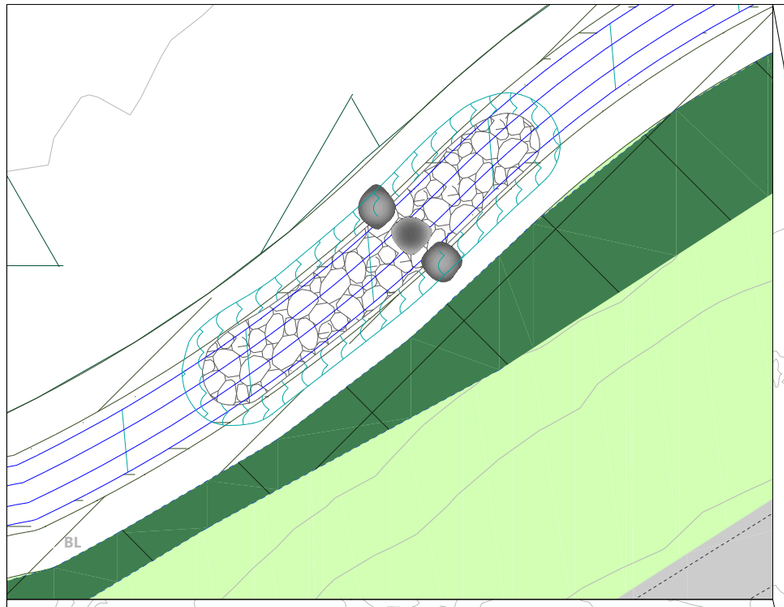


Deeper profiled section of the channel to provide a silt trap to improve water quality. Large rocks are used as a natural partial impoundment to slow the water and allow the sediment to drop out of suspension. Feature is located in the upstream extent of the site, outside of the utility exclusion zone, and close to existing access path for maintenance.



Photo of a newly installed river channel designed and constructed by Five Rivers. The channel features a gravel lining and two-stage profile.



Key:

- Existing Road / Track
- Existing vegetation
- Existing Islands
- Cross Section Lines
- Contour Lines (1m)
- Existing Pond Outline
- Proposed Island / New Made Ground
- Proposed Addtional Pathways
- Proposed Embankment to Raised Pathway
- Proposed Dead Hedge
- Proposed Culverted Pond Connections
- Proposed Picnic Benches / Seating
- Proposed Deciduous Woodland Planting
- Proposed Wet Woodland Planting
- Proposed Wet Woodland Enhancement
- Proposed Island Expansion
- Proposed Channel
- Proposed Channel Bank Regrading
- Proposed Brash Berms
- Proposed Wetland Area
- Proposed Marginal Planting
- Proposed Sloped Pond Edge / Marginal Shelf
- Retained Pond
- Proposed Hibernacula
- Proposed Naturalised Silt Trap

General Notes:

1. All dimensions shown in metres unless otherwise stated and levels in metres to ordnance datum (mAOD).
2. Utility search undertaken in June 2026 for the design phase of the project.
3. Relevant consent to be sought before the construction phase.
4. Construction works to be undertaken by a competent contractor with experience installing river and habitat restoration works.
5. Designs are semi-indicative. The exact location of proposed features should be determined onsite by a suitably qualified geomorphologist.
6. FiveRivers Environmental Contracting take no responsibility for the detrimental placement of in-channel features without appropriate supervision from a qualified geomorphologist.
7. Existing in-channel/marginal vegetation should be maintained wherever possible.

Design Assumptions:

1. Design is based on the assumption that the Defra LiDAR is accurate and fit for purpose.
2. Design assumes there is appropriate access for required machinery to conduct necessary works.
3. Assumes no protected species on site.
4. Design assumes there are no hidden hard structures within the banks.
5. Design assumes site won material is suitable for use in margins.

NOT FOR CONSTRUCTION

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Ver.	Ver. Date	Status	Drawn	Check'd	Apprv'd
5	28/10/2026	FOR ISSUE	LT	ENJ	JE

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Client: ALTON Town Council

Project: 5080D - Kings Pond Phase 1

Title: River and Pond Engagement Overview

Drawing number: 5R-5080D-206

Scale: 1:1500 @ A3