0.3 m dead hedge to prevent access for dogs and people to the water, protecting pond habitat and species.

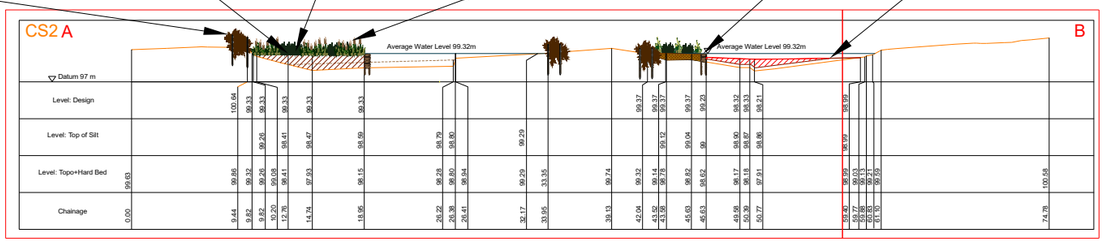
Infill area to innundate under high flow.

Surveyed Average Water Level 99.32 m.

0.3 m high brash fronting on marginal shelf to reduce erosion risk and capture sediment.

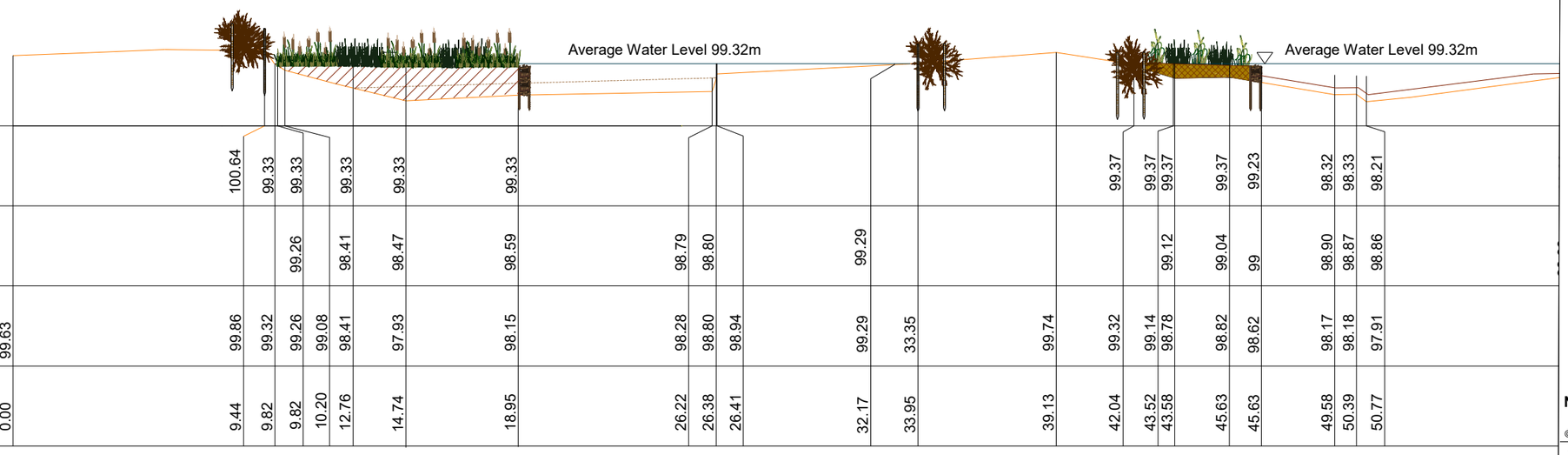
Backwater wetland generating habitat and providing a silt trap under higher flows.

Channel excavation to maintain the state of the pond.

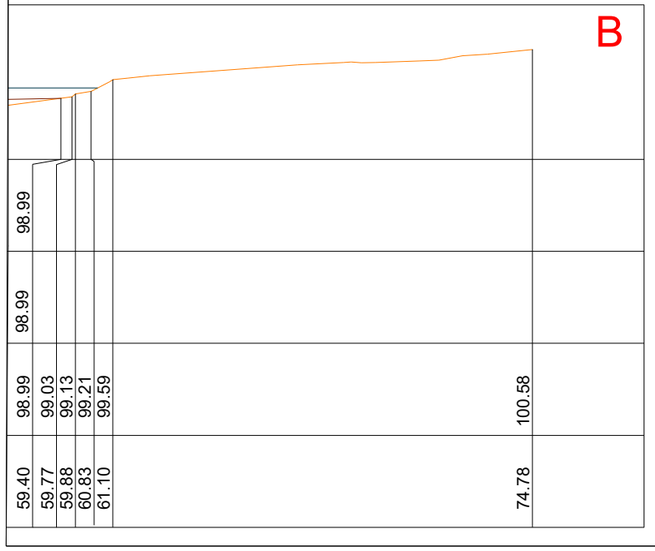


Scale 1:500 @ A3

CS2 A



Chainage	0.00	9.44	9.82	9.82	10.20	12.76	14.74	18.95	26.22	26.38	26.41	32.17	33.95	39.13	42.04	43.52	43.58	45.63	45.63	49.58	50.39	50.77
Level: Topo+Hard Bed	99.63	99.86	99.32	99.26	99.08	98.41	97.93	98.15	98.28	98.80	98.94	99.29	33.35	99.74	99.32	99.14	98.78	98.82	98.62	98.17	98.18	97.91
Level: Top of Silt				99.26		98.41	98.47	98.59	98.79	98.80		99.29					99.12	99.04	99	98.90	98.87	98.86
Level: Design		100.64	99.33	99.33		99.33		99.33									99.37	99.37	99.23	98.32	98.33	98.21



Key:

- Existing Silt Level
- Existing Ground Level
- Existing Water
- Existing Silt Excavation
- Proposed Berms
- Proposed Berm Fronting
- Proposed Post
- Proposed Dead Hedge
- Proposed Reeds
- Proposed Marginal Planting
- Proposed Existing Channel Infill
- Proposed Existing Channel Infill

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, and the ecological notes taken from the 27th November 2025 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 data 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 channel.
6. Design assumes there is no negative impact on flood risk.

NOT FOR CONSTRUCTION

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Ver.	Ver. Date	Status	Drawn	Check'd	Apprv'd
4	09/10/2026	FOR ISSUE	AH	ENJ	JE

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ISO 14001
ISO 45001

Client: ALTON Town Council

Project: 5080D - Kings Pond

Title: Dredging Option Cross Section 2

Drawing number: 5R-5080D-103

Scale: 1:200 @ A3 (unless otheriwse stated)