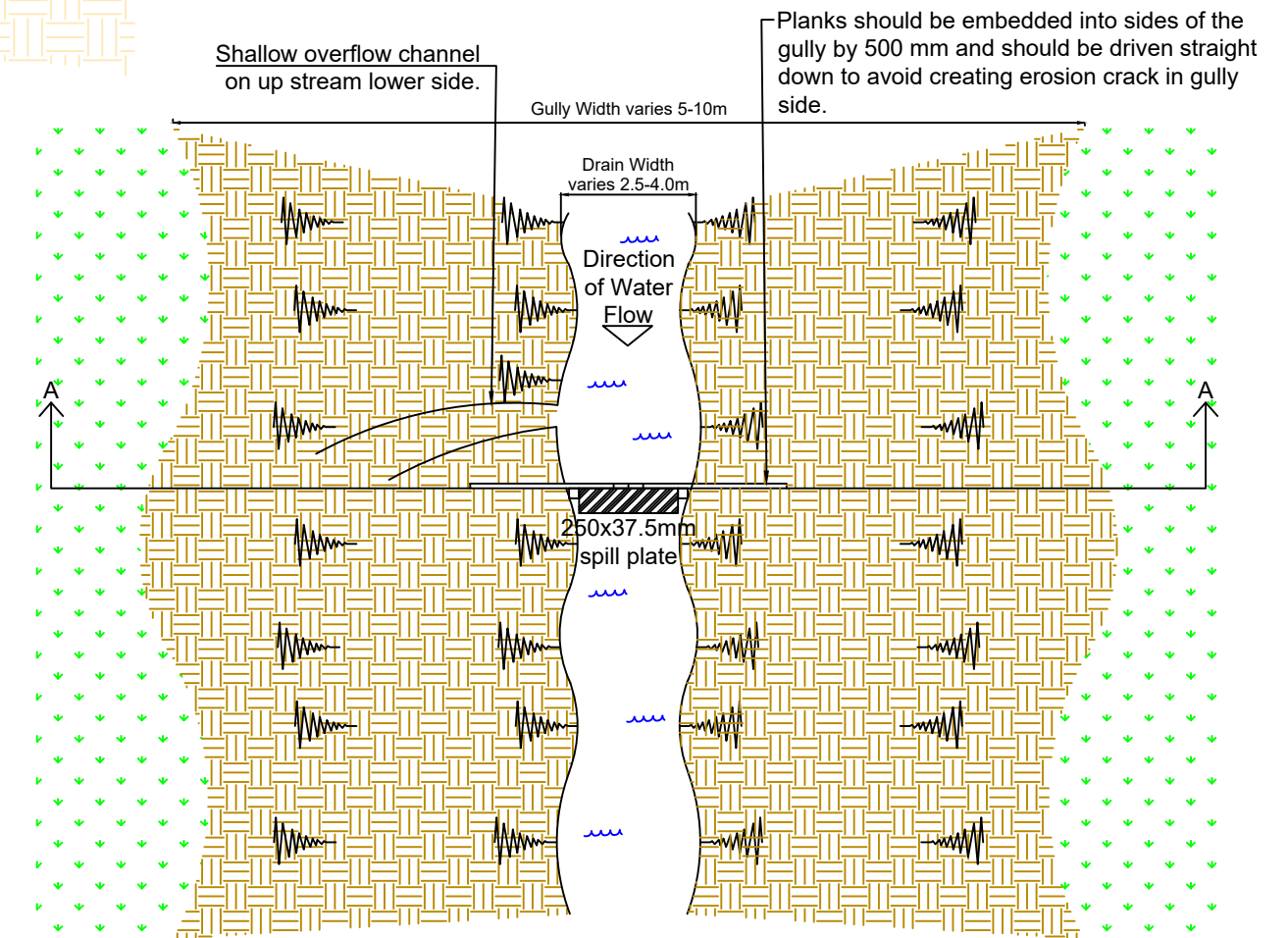


**Stone Dam Sediment Traps / Leaky Dams
Section A-A Scale 1:50**



Area A - Typical Drainage Gully



**Timber Sediment Traps / Leaky Dams
Plan View Scale 1:75**

Note: Timber Sediment Traps / Leaky Dam to be placed in drain at base of gully.



Typical Timber Sediment Trap/Leaky Dam (Yorkshire Peat Partnership Technical Specification)

Timber Sediment Trap/Leaky Dam Installation Guidance Notes from the Yorkshire Peat Partnership Technical Specification:

1. Untreated timber planks should be used (suggested dimensions of 25cm wide, 3.75 cm thick). Ideally, Hardwood preferable (Elm, Oak or Alder). Larch, Western Red Cedar or Douglas Fir as softwood alternatives from an FSC certified sources. Wood to be untreated to prevent leaching of chemicals.
2. Use up to four 25cm planks per trap to create a maximum 1m high sediment trap. Dams should be placed at 5m-10m spacing's or at adequate spacing's to allow water to back up from the dam to a level above the base of the next dam up stream.
3. The planks should be embedded into the sides of the gully by 0.5m and should be driven straight down to avoid creating an erosion crack in the gully side.
4. The planks should be fastened to, and held in place by, supporting posts hammered into the gully at 1m intervals (recommended 1.5-2m long x 10cm thick for a full height trap).
5. The bottom two planks should fit closely together to retain water during all flow conditions. Gaps of approximately 1-2cm should then be left between the second board and the third board and between this board and the fourth board to create a "weeping wall" which allows water to slowly leak away after high flow periods whilst retaining peaty sediment.
6. Timber sediment traps will require a spill plate placing down-stream to prevent turbulence erosion as water comes over the top (e.g. stone, timber, baled material, turves etc.).
7. A notch 15cm deep and 30cm wide should be cut into the middle of the trap to channel water in high flows through the middle of the trap to reduce edge erosion.



NOTES:

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING

STATUS

Rev	Description	Issued By	Date
00	Issued For Tender	J.C.	24/04/26

PROJECT: Wicklow Subsites
Wicklow Mountain SAC

TITLE: Blanket Bog Restoration Project
Timber Sediment Trap/Leaky Dams

Drawn By:	Checked By:	Approved:
J.C.	J.C.	J.C.
NPWS	O.Mc.G	P.N.
Date: 24/04/2026	Scale: N.T.S.	Stage/Tender
Drawing No.: NPWS-BBRP-02-28-TimberDamDetail		Rev: 00