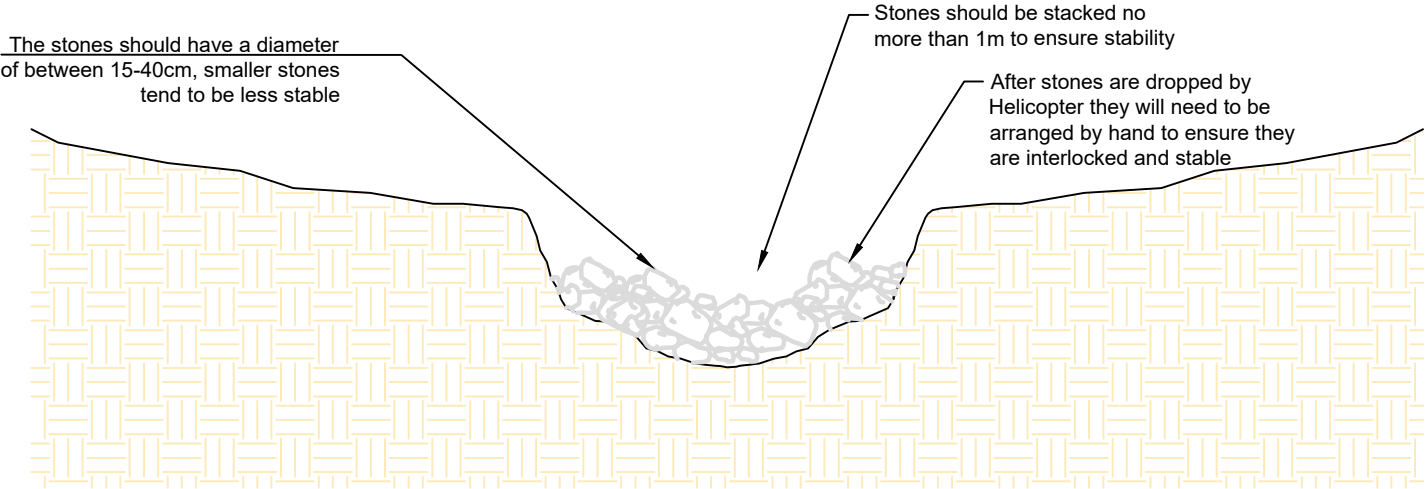
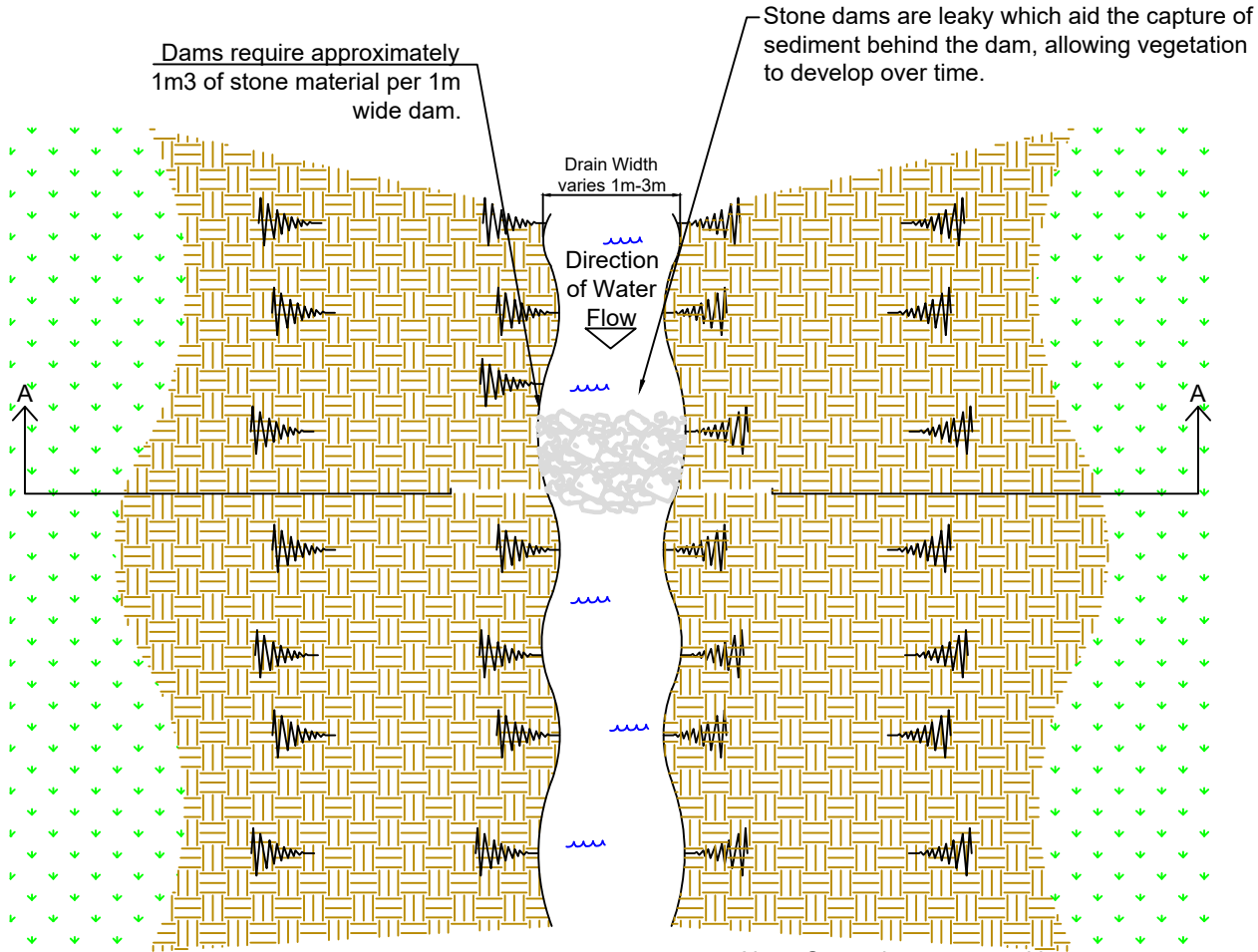




Stone Dam
Section A-A Scale 1:50



Photo of completed Stone dams on a Blanket Bog
Restoration Project in the UK.



Stone Dam
Plan View Scale 1:75

Note: Stone dams are used in drains/gullies where their base depth is <20cm or eroded down to mineral soil.

- Stone Dam Installation Guidance Notes:**
- Stone dams are permeable drain blocks usually used when the base of a drain/gully has been eroded to the mineral layer, or where the peat is too shallow for other dam types to be keyed in effectively.
 - Stone dams are leaky dams, which capture and stabilise suspended peat sediment behind the dam, allowing vegetation to develop over time, which further stabilise both the gully base and the dam.
 - Helicopter lifts are usually needed to drop the heavy loads of stone at each dam location, using underslung hoppers, dumpy bags or modified skips for tipping. All Helicopter lifts must be supervised by a trained and competent banksman in accordance with the Safety, Health and Welfare at Work (Construction) Regulations 2013 (S.I. No. 291/2013) and applicable site safety rules.
 - After helicopter placement the stones should be arranged by hand to ensure they are interlocked and secure. Stones should not be stacked higher than 1m and spread out to cover the full width of the dam. Stone should be higher at the sides and lower in the middle to prevent erosion of peat.
 - Dams require approximately 1m3 of material per 1m wide dam. 1 load consists of 750 - 800kg of stone.
 - The stones should have diameters of between 15-40cm. Smaller cobbles will create a more watertight dam; however they will be subject to greater disturbance/movement, whereas larger cobbles will result in a leakier dam.



NOTES:		STATUS	
1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING			
00	Issued For Information	J.C.	24/04/25
Rev	Description	Issued By	Date

PROJECT: Wicklow Subsites Wicklow Mountain SAC	
TITLE: Blanket Bog Restoration Stone Dams	
Drawn By:	Checked By:
CAD	Discip. Lead
J.C.	J.C.
NPWS	O.Mc.G
Date: 24/04/2026	Scale: N.T.S.
Drawing No.:	Rev:
NPWS-BBRP-02-16-StoneDam	00