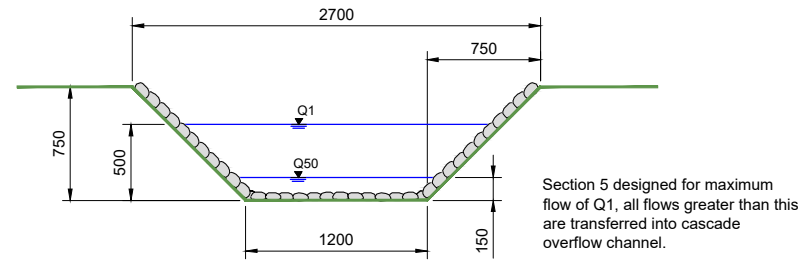


IF IN DOUBT - ASK

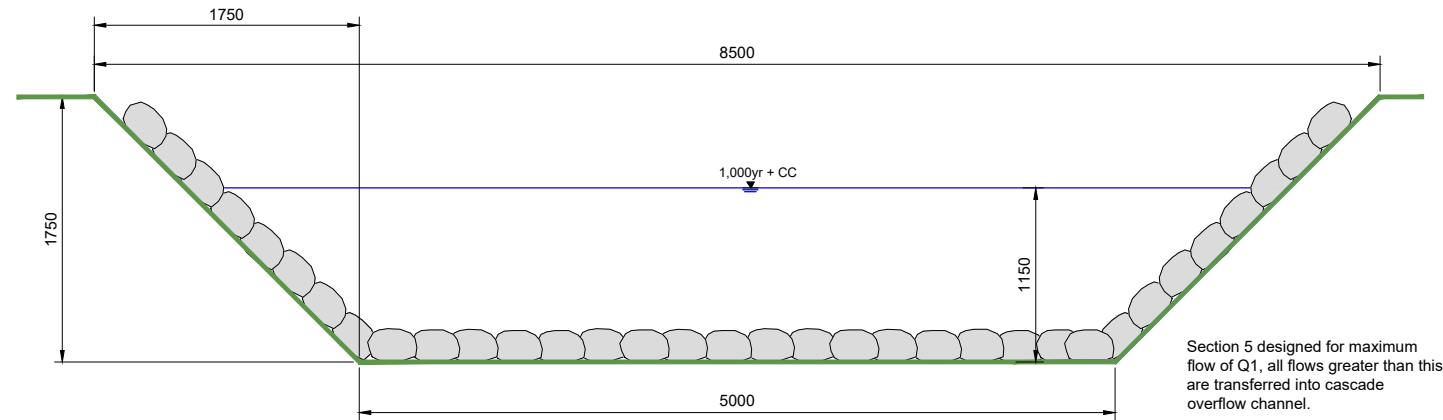
NOTES

- All levels are in metres above ordnance datum (mAOD).
- All dimensions are in millimeters unless otherwise noted.
- Please refer to CEMP for details of environmental protection measures (e.g. temporary erosion control, sediment traps, settlement lagoons, silt curtains). The works would be supervised by an Environmental Clerk of Works.
- For proposed structure of sediment management plan refer to geomorphology report.
- Climate change uplift for peak flows calculated in accordance with "SEPA's Climate change allowance for flood risk assessment in land use planning Version 5".
- Resting pools shown indicatively on aqueduct plan. Final location to be agreed with an experienced fish ecologist at the detailed design stage.
- Aqueduct channel substrates would be formed using natural sediments local to the system, to provide a well-graded mix of sediment appropriate to the energy regime of a stepped pool channel.
- CCTV coverage at the confluence of existing burn and channel would provide real time monitoring of flow and sediment conditions.



Section 5 Channel Dimensions
(Loch Earba transition zone and Moy Habitat Channel)

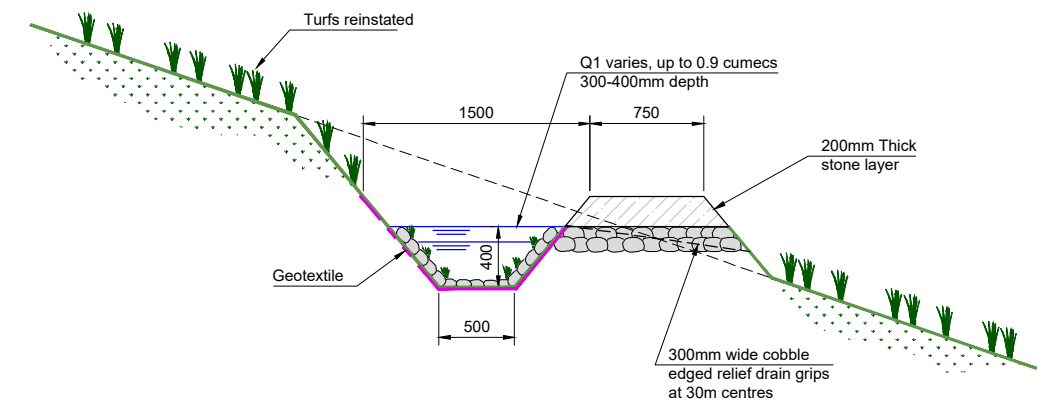
1:50 @ A3



Section 6 Channel Dimensions
(Loch Earba transition zone overflow channel)

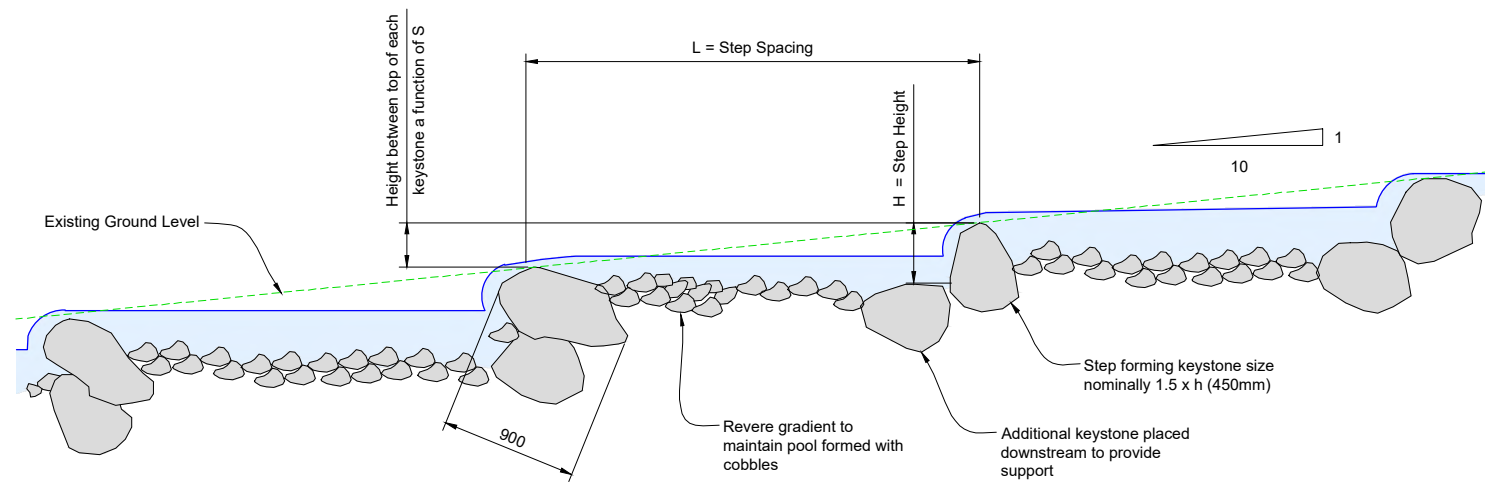
1:50 @ A3

Cascade Parameters for Pitridh Aqueduct overflow and Leamhain catchwater					
	S = Slope	H= Step height (m)	L = Length between steps (m)	Drop between pools (m)	Typical Keystone Size (mm)
Section6 (Pitridh Overflow)	10%	0.400	3	0.3	600
Leamhain catchment transfer ditch	10%	0.2500	2.5	0.250	400.000
Moy Spillway	10%	0.400	3	0.3	600



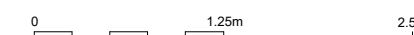
Typical 0.75m Wide Footpath & Catchwater Cut-off Ditch at Leamhain

1:50 @ A3



Typical Cascade Detail
Pitridh Aqueduct Overflow and Leamhain Catchwater Ditch and Moy Spillway Channel

1:50 @ A3



P1	13.11.24	MH	CAR LICENCE SUBMISSION	DT	GMcG
REV	DATE	DRAWN	NOTES	CHK'D	APP'D
			FESTIVAL HOUSE 177 WEST GEORGE STREET GLASGOW G2 2LS UNITED KINGDOM T: 01539 720 028 E: info@gilkesenergy.com W: www.gilkesenergy.com		

CLIENT
EARBA STORAGE
A GILKES ENERGY COMPANY

PROJECT
PROPOSED EARBA PSH

TITLE
PITRIDH AQUEDUCT DETAILS - SHEET 2
FIGURE 2.21.2

SIZE	SCALE AT A3	STATUS	PLANNING
A3	1:50		
DRAWING NUMBER	EAR/GEL/296		REVISION
			P1