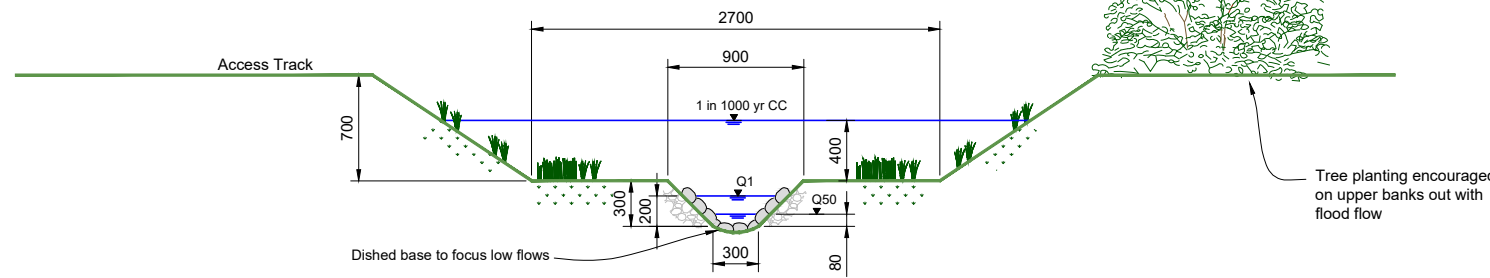


# IF IN DOUBT - ASK

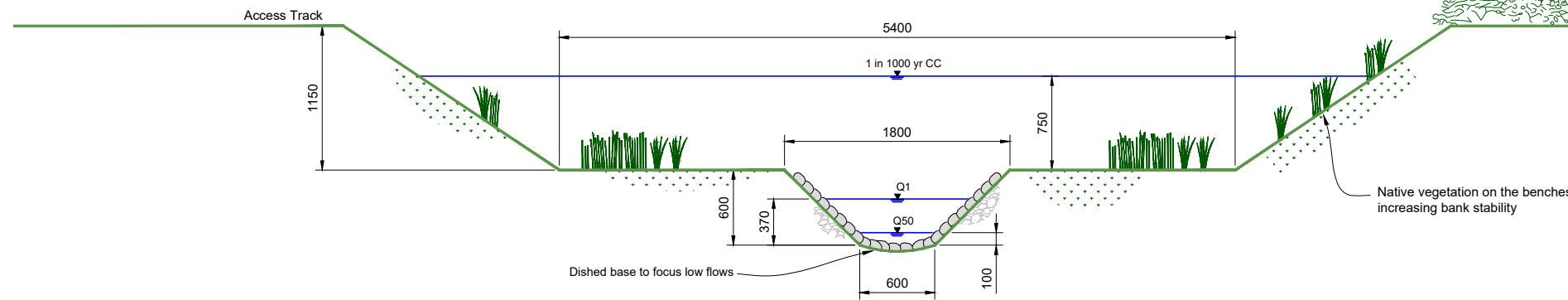
## NOTES

- 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 1 Channel Dimensions  
(Trib 2 to Allt Coire Chalachair)

1:50 @ A3

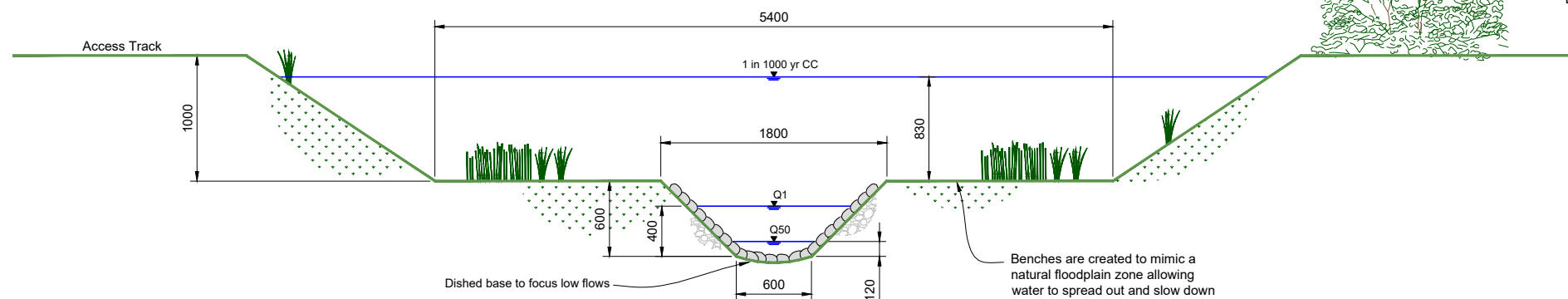


Section 2 Channel Dimensions  
(Allt Coire Chalachair to Trib 1)

1:50 @ A3

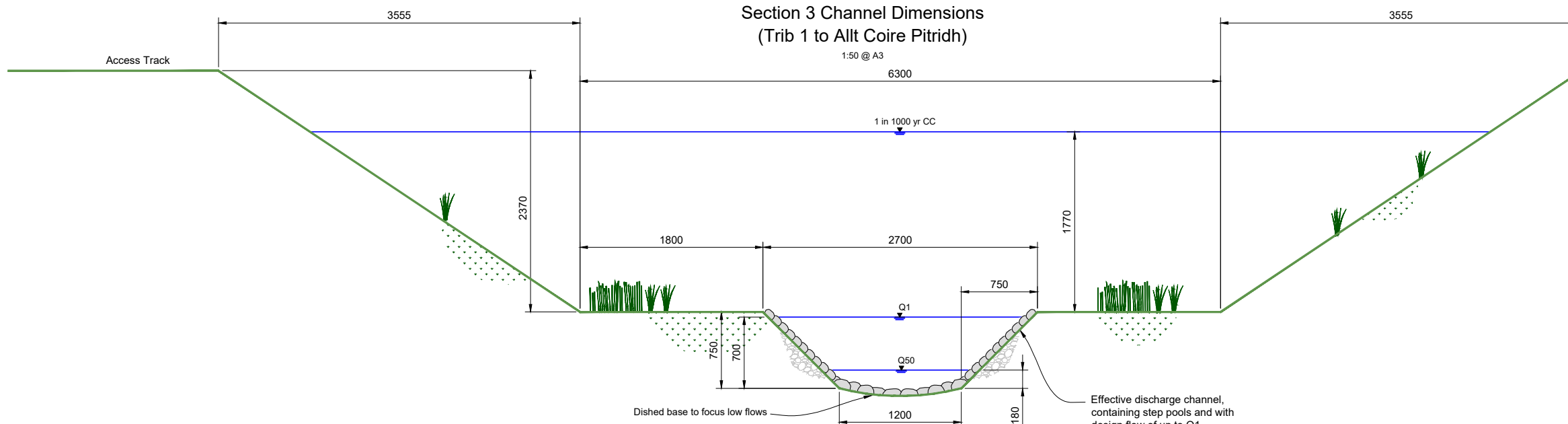
Approximate velocities for Pitridh Aqueduct (m/s)				
	Q90	Q50	Q1	1 in 10
Section 1 (Trib 2 to Allt Coire Chalachair)	0.2200	0.3200	0.5900	0.9700
Section 2 (Allt Coire Chalachair to Trib 1)	0.3500	0.4200	0.9100	1.5700
Section 3 (Trib 1 to Allt Coire Pitridh)	0.3800	0.4900	0.9400	1.7200
Section 4 (Allt Coire Pitridh to Loch Earba)	0.4900	0.6900	1.3500	1.9500
Section 5 Earba Transition zone	0.7300	0.9100	2.1600	N/A

\* Table above meets the requirements of Table 5 in the Environmental Agency Fish Pass Manual



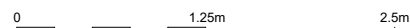
Section 3 Channel Dimensions  
(Trib 1 to Allt Coire Pitridh)

1:50 @ A3



Section 4 Channel Dimensions  
(Allt Coire Pitridh to Loch Earba transition zone)

1:50 @ A3



REV	DATE	DRAWN	NOTES	CHK'D	APP'D
P2	13.11.24	MH	CAR LICENCE SUBMISSION	DT	GMcG
P1	02.02.24	MW	FOR PLANNING	DT	GMcG

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PROJECT  
**PROPOSED EARBA PSH**

TITLE  
**PITRIDH AQUEDUCT DETAILS - SHEET 1**  
**FIGURE 2.21.1**

SIZE SCALE AT A3 STATUS PLANNING  
 DRAWING NUMBER EAR/GEL/295 REVISION P2