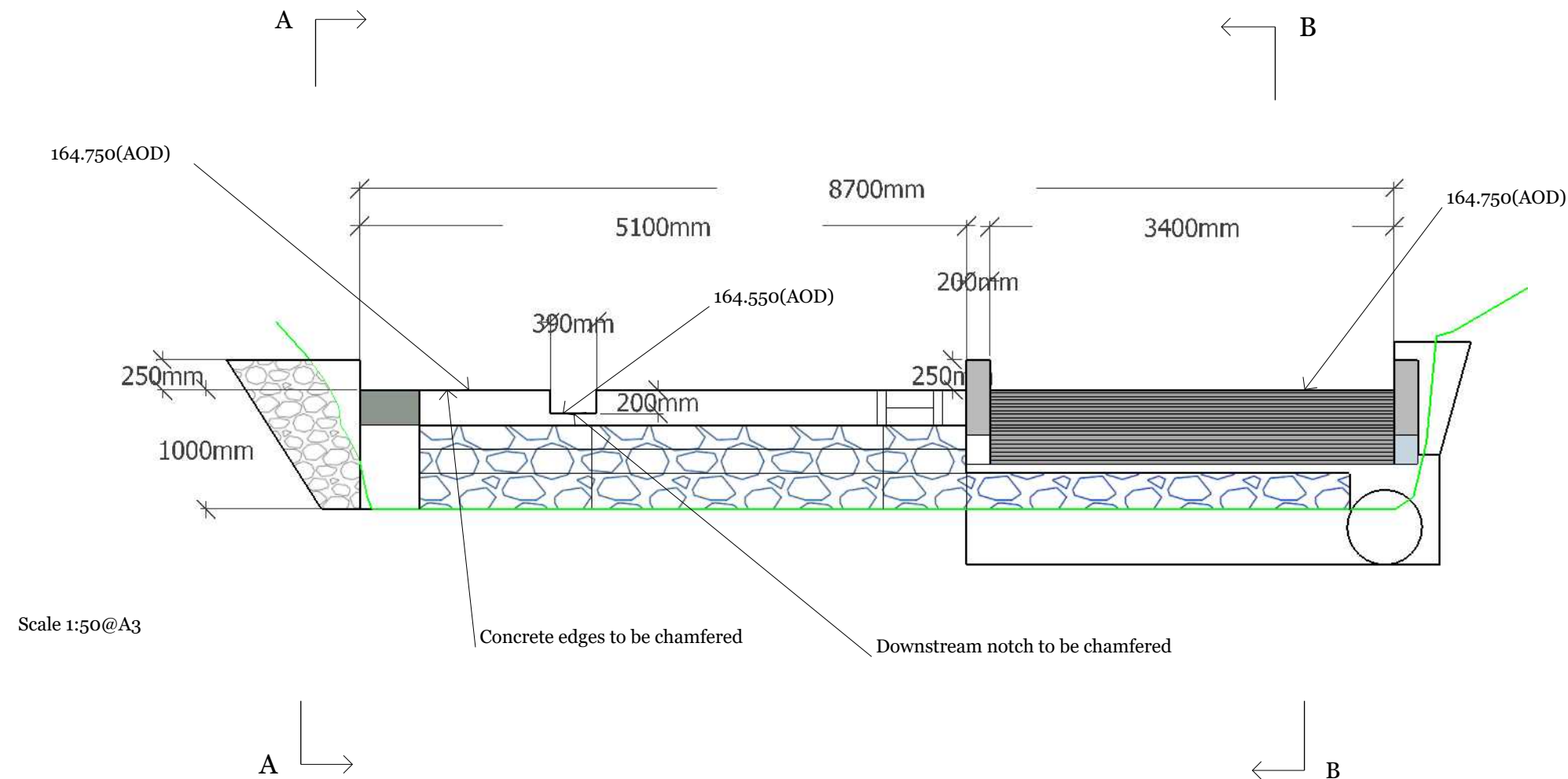


DOWNSTREAM VIEW



NOTES:

Fish Pass to be created from large stone which will be set into mass fill concrete resulting in a firm structure.

The rocky ramp pass will resemble natural rapids with each step providing a fall of between 150mm to 300mm (Indicative dimensions provided). The edges will be shaped to avoid any straight edges.

HOF - 56lps equivalent to a Q95 flow

$$Q = Cd * w * h^{1.5}$$

$$Q = 1.6 * 0.39 * 0.2^{1.5}$$

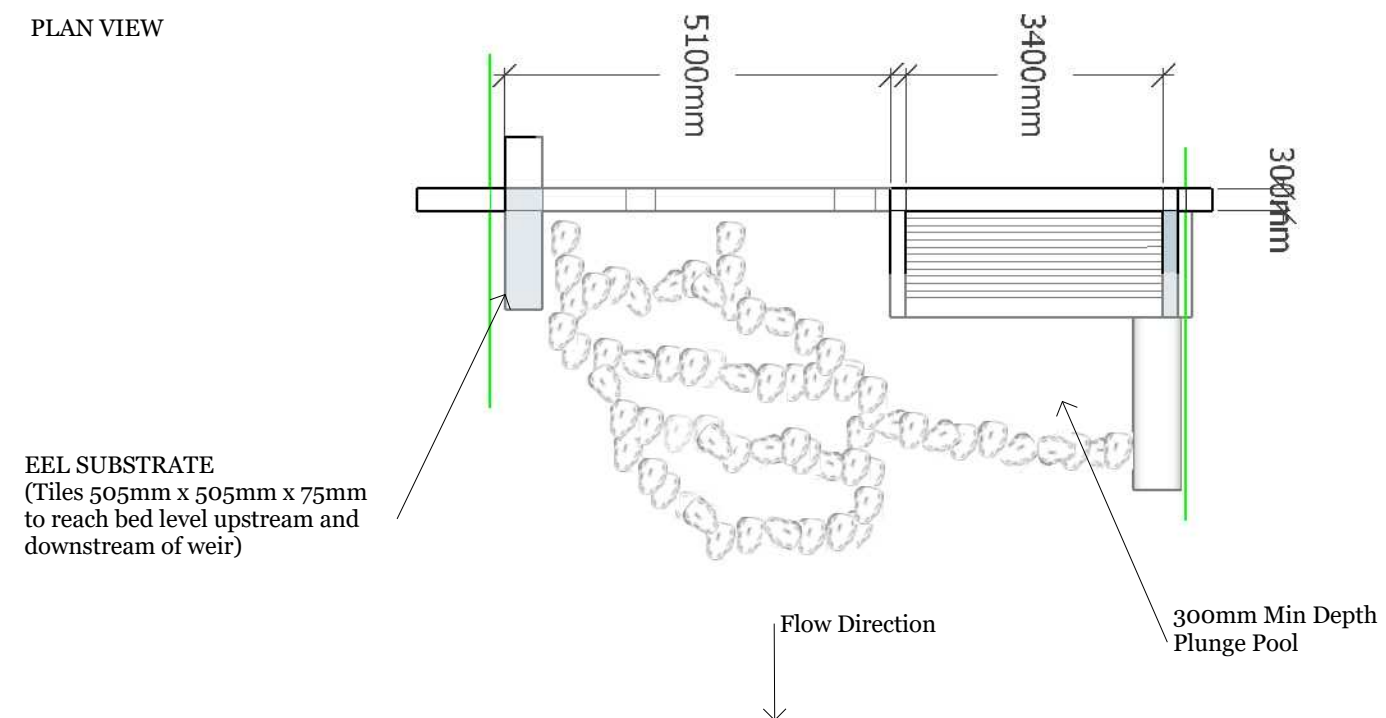
$$Q = 56 \text{ lps}$$

Structure designed to allow 40% Abstraction and 60% Residual

Weir to be faced with local stone

Weir to be constructed from re-inforced concrete

PLAN VIEW

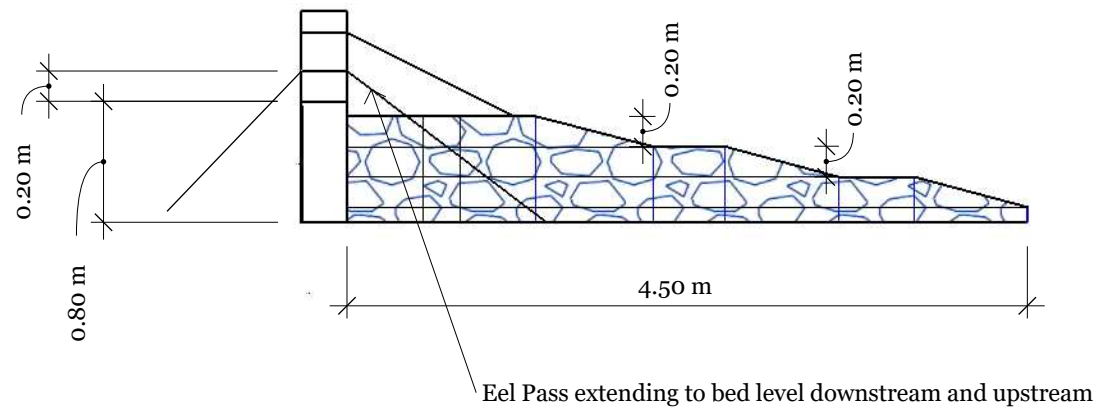


Rocky Ramp Fish pass similar to proposed scheme



CLIENT Colwydr Cyf	PROJECT Intake Dimensions and General Arrangement	DRAWING: Intake GA V3.0	FINAL REV C	ISSUE 05/09/2018	DESCRIPTION Hydro Intake Colwyn (Hafod Wydr)
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A-A



Afon Colwyn
Hafod Wydr
Beddgelert

Drawing no:
Intake Colwydr

Scale 1 : 50 @A3

PROJECT
Colwydr Cyf

ISSUE
05/09/2018

RE-ISSUE

DESCRIPTION
Side View

A_{0.1}

B-B

