

1

2

3

4

5

6

Dylan Jones Intake Detailed plan view of fish and eel passage

| Point | Level |
|----------------|---------|
| Top Peg A | 211,000 |
| Top Peg B | 212,660 |
| Crest | 211,100 |
| Base of Screen | 210,650 |
| Reference X1 | 215,354 |
| Reference X2 | 213,755 |

A

A

B

B

C

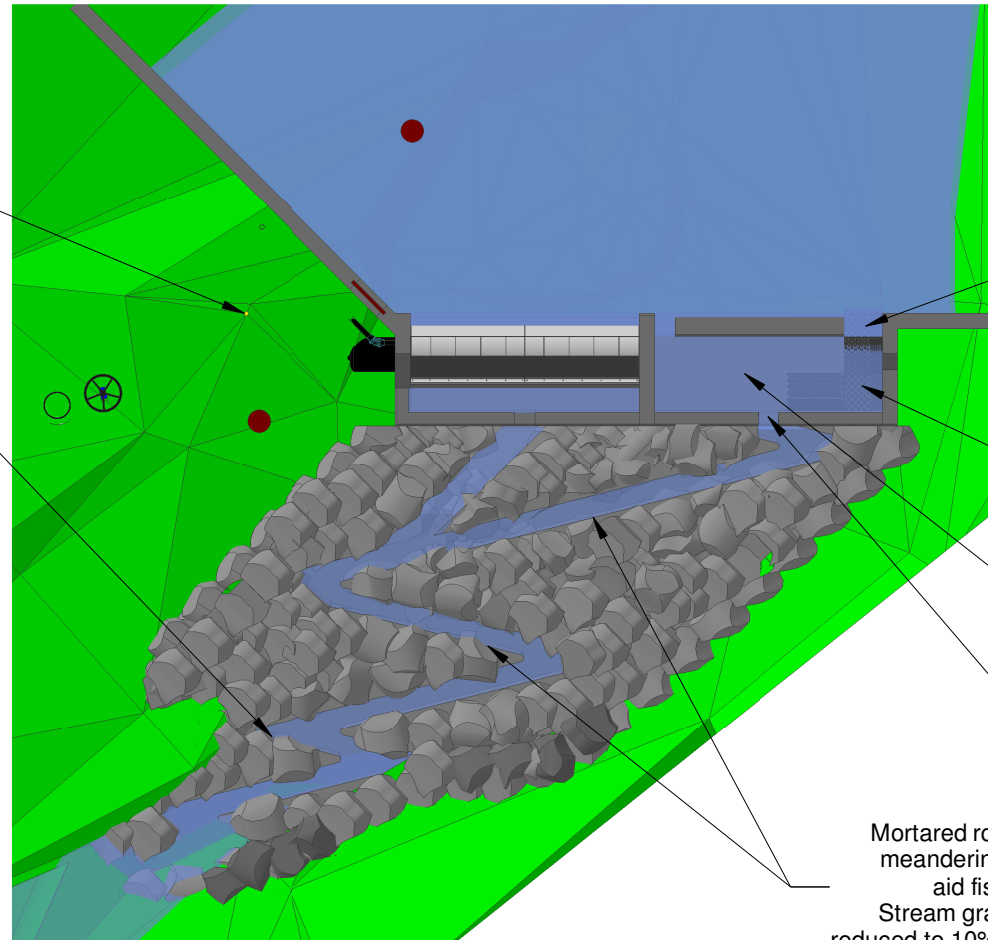
C

D

D

The meandering channel will create resting pools, upstream of protruding boulders, for fish swimming upstream

Peg A



Eel substrate passes through dedicated notch in crest and then down to the base of the upstream face of the weir wall

Eel substrate on 45 degree ramp which extends to base of plunge pool

Plunge pool level creates 150mm step to HoF notch level

Plunge pool outlet notch has same dimensions as HoF notch to maintain the max. 150mm step in all flow conditions

Mortared rocky ramp creates meandering stream path to aid fish migration.
Stream gradient on ramp is reduced to 10% by meandering path.

0 2000 4000mm

All dimensions in mm

Client : Dylan Jones

Address : Ty Mawr, Mallwyd
Machynlleth, SY20 9HS

Drawn By : MJP

Date : 06/07/23

Scale : 1 : 100 @ A4

Drawing No : 23070601

Version : 2

Revision Details

v2 : Fish passage gradient reduced

Greenearth
Hydro



Greenearth Hydro Limited

Siop Newydd, Rhiw, Pwllheli, LL53 8AE

Tel: 07980 670046 www.greenearthhydro.co.uk

Company Registration Number 7417466

MCS Hydro Transition Installer 123

1

2

3

6