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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

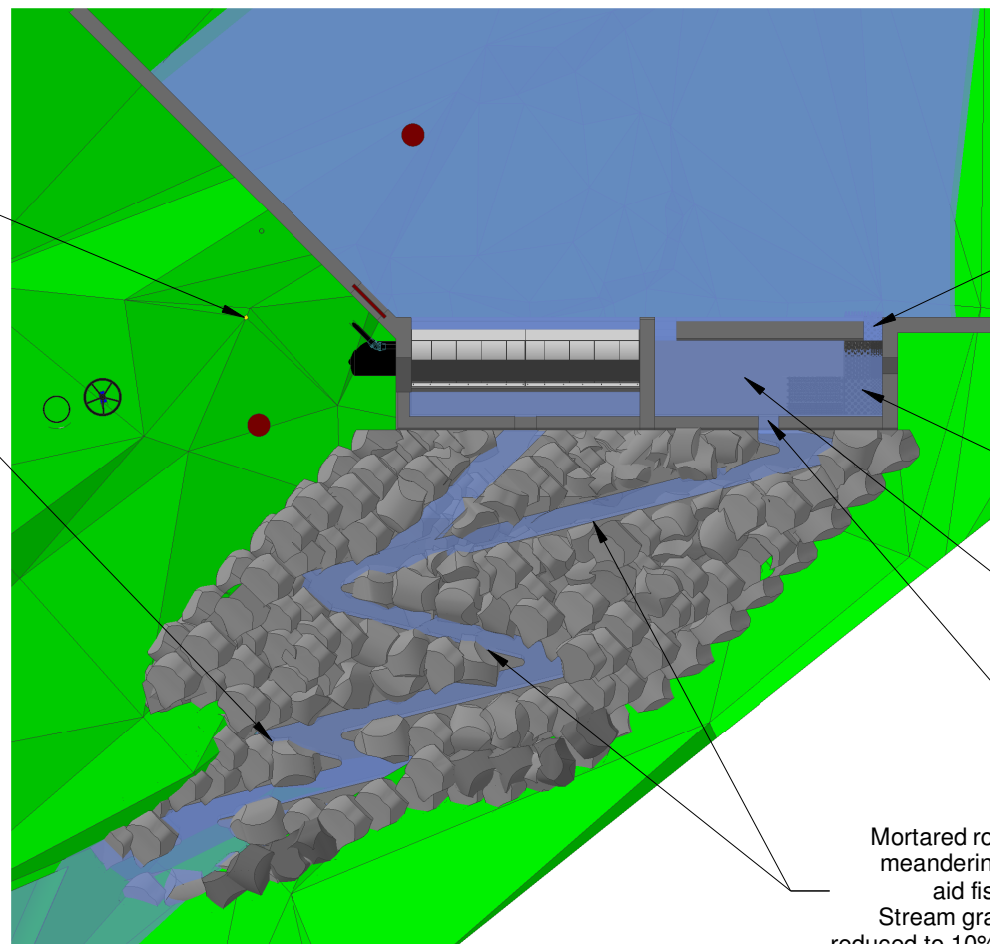
C

D

D

Peg A

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



Eel substrate passes through dedicated notch in crest and then down to the base of the upstream face of the weir wall
Notch is half the width of the substrate tiles
Ensure that mixture of large and small protruding bosses is used on the narrower section which passes through the notch.

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.

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 : 3

Revision Details

v2 : Fish passage gradient reduced

v3 : Notches revised

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MCS Hydro Transition Installer 123

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