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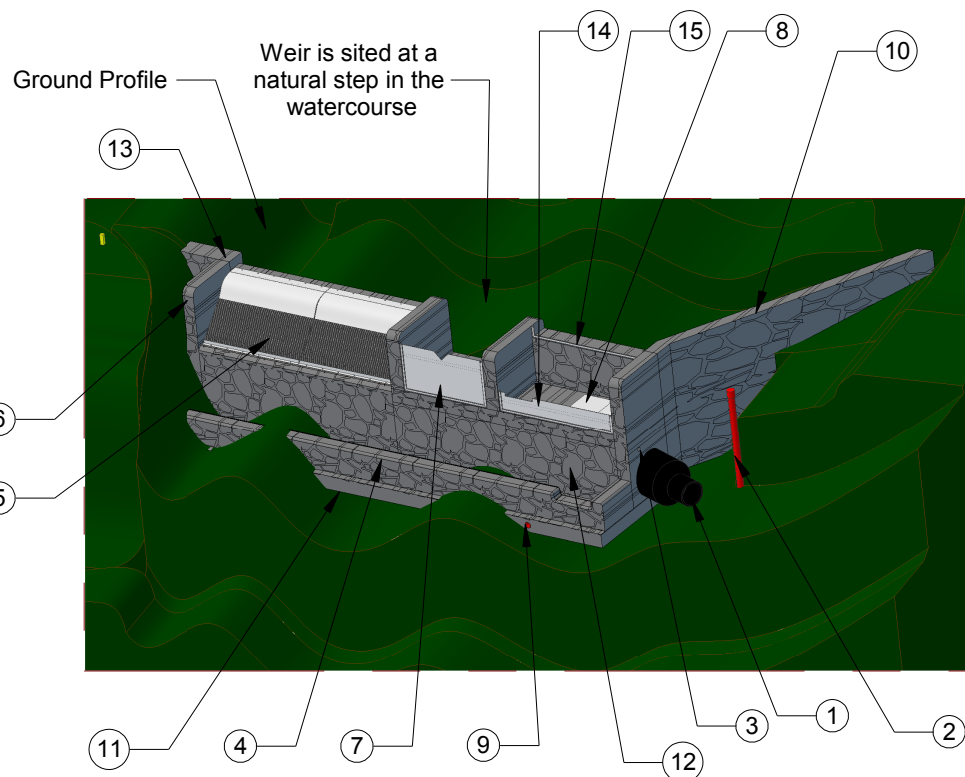
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Wyn Jones Afon Gennog : Weir GA and Nomenclature

A



B

C

D

1. Penstock. 355 mm diameter SDR 33 5 bar rated HPPE. 630mm to 355mm reducer acts as bellmouth at inlet.
2. Riser pipe from chamber, for Head Sensor
3. 50mm diameter Breather hole: Construction must ensure this is clear of final ground level.
4. Fishpool immediately downstream of weir, 300mm deep.
5. Intake Screen. Type C Coanda Screen, 2mm spacings
6. Note: Side and middle walls are 130mm higher than weir crest
7. 90 degree V-notch weir. Designed to allow compensation flow of 14lps. V-Notch 160mm deep. Made from Stainless Steel plate, it can be removed to create a bypass of up to 1700 lps for maintenance.
8. Manhole cover: Allows access to the chamber for pigging and maintenance
9. Drain-down pipes: These allow drainage of the chamber and fish pools for maintenance
10. Wing wall extends upstream to tie into existing rock
11. Reinforced concrete base slab
12. Collection chamber
13. Wing wall
14. Stainless Steel Plate creates a fish pool 300mm deep in this section. Plate can be removed to drain the area when accessing the manhole
15. A plate can be inserted in this section to prevent flow entering the access area during pipe cleaning ('pigging') and other maintenance operations.

A

B

C

D



Client : **Wyn Jones**

Address : Bryniog-Isa, Melin Y Coed
Llanwrst, LL26 0TR

Drawn By : MJP

Date : 17/08/13

Scale : NTS

Drawing No : 130817MP05

Version : 3

Revision Details

v2 : Mortared Rock Construction
v3 : Take fixed at 50%

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