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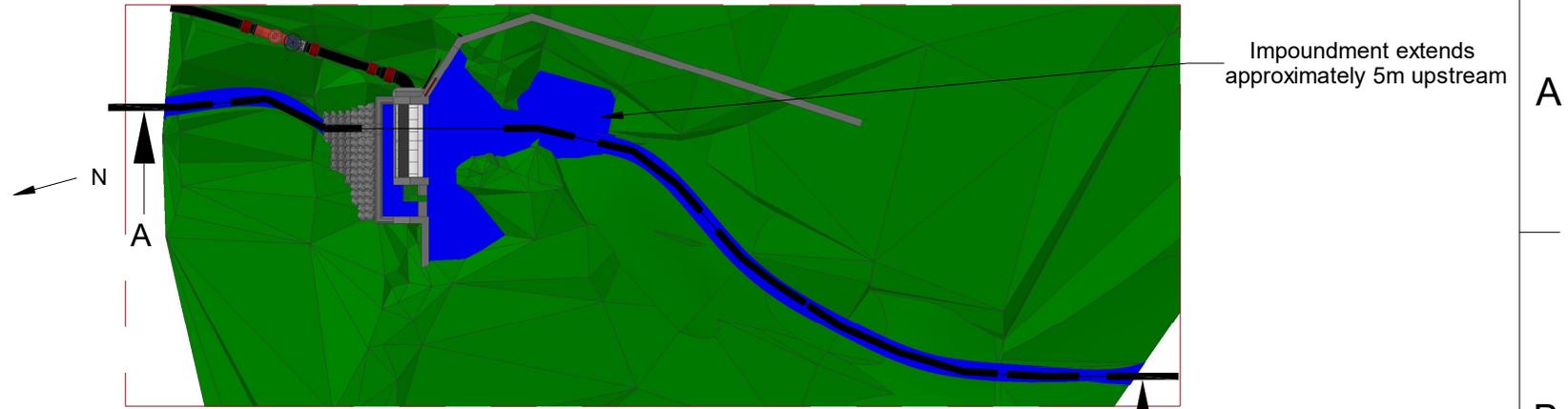
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# Mark Sealy, Brithdir Forest Hydro. Intake Long Section

Item	Level mAOD
Crest	313.707
Base of Screen	313.255
Existing stream bedrock level 5m upstream	313.707
Downstream water level	312.329
X1	317.649
X4	316.043
X6	315.440
X5	314.785



A

A

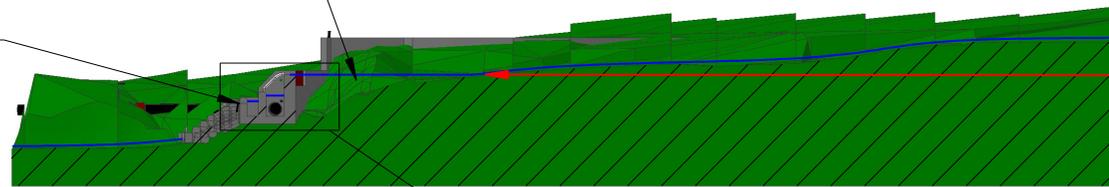
B

B

### Section A-A

Estimated impoundment volume 6 cubic metres (calculated from solid model of topography)

Chamfers on outlet notch from downstream pool  
Rocky ramp below notch



Existing Stream Bedrock  
Approx. 5m Upstream  
313.707 mAOD

C

C

### B Detail B Scale 1:50

Coanda crest level & compensation crest level 313.707 mAOD

Top of chamber's downstream wall level 313.255mAOD

Top of plunge pool wall level 313.105mAOD

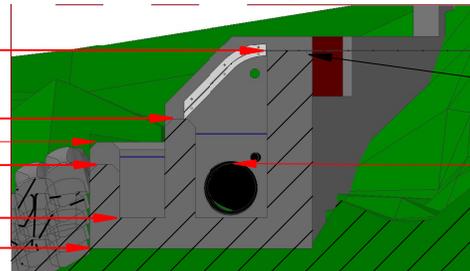
Base of Plunge Pool Notch Level 312.955 mAOD

Top of floor slab Level 312.605 mAOD

Underside of floor slab Level 312.405 mAOD

Chamfer on edge of crest

Internal top of bellmouth inlet level 312.943mAOD



0 4000 8000mm

All dimensions in mm.

D

D

**Client :** Mark Sealy  
**Address :** Brithdir Forest Hydro,  
 Brithdir, Dolgellau, LL40 2SA  
**Drawn By :** MJP

**Date :** 08/03/22  
**Scale :** 1 : 200 @ A4  
**Drawing No :** 23030802  
**Version :** 1

Revision Details



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 MCS Hydro Transition Installer 123

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