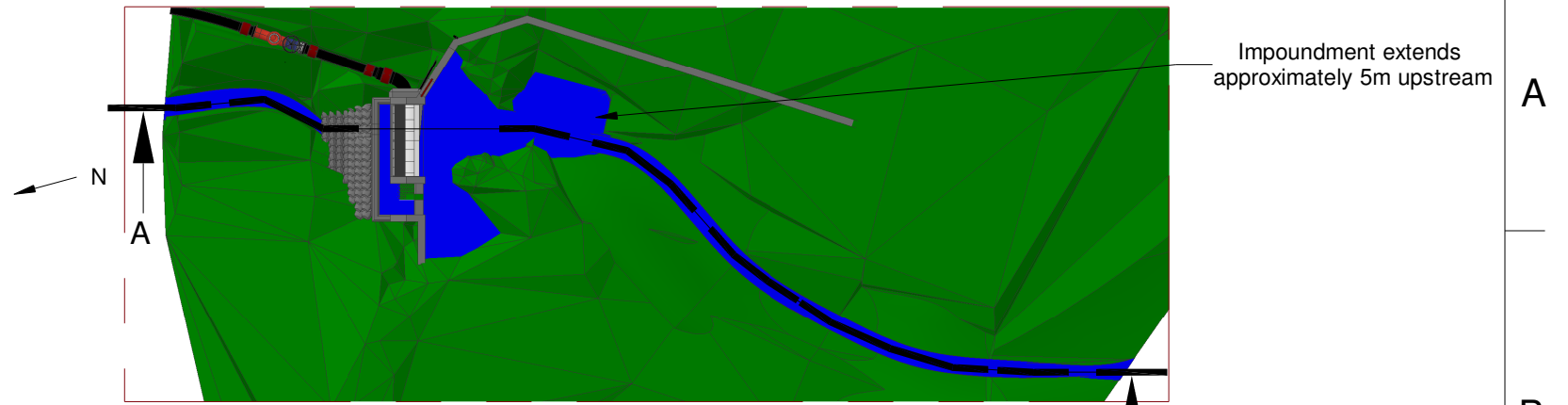


Mark Sealy, Brithdir Forest Hydro. Intake Long Section

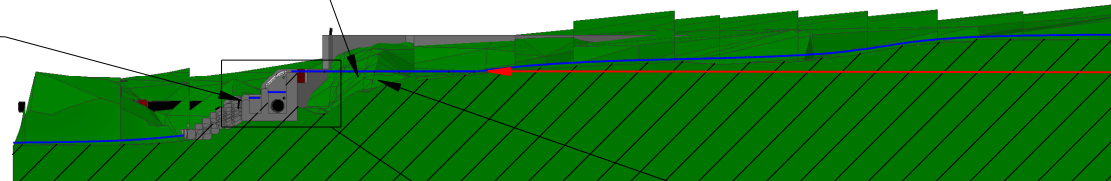
Item	Level mAOD
Crest	313.707
Base of Screen	313.255
Existing stream bedrock level 5m upstream	313.707
Downstream water level	312.329
X1	317.649
X4	316.043
X6	315.440
X5	314.785



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

Chamfers on outlet notch
from downstream pool
Rocky ramp below notch

Section A-A



Detail B Scale 1:50

The impoundment is to be pre-filled with gravel and cobble sized material (size mix similar to that found in the reach). It must be chemically inert or similar to that already in the reach. It must not be derived from the watercourse. Backfill to within 100mm of the crest with a flat backfill of the entire impoundment.

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.

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 : 2

Revision Details

v2: Filling of impoundment

**Greenearth
Hydro**

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MCS Hydro Transition Installer 123