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PRELIMINARY DRAWING FOR
CONSENTING PURPOSES - NOT
FOR CONSTRUCTION

Project:

Tyle Garw

Client:

Adam Cropper

Drawing Title:

Intake

File Name:

TG-DWG-Intake-A-300623-DM

Scale:

1:30 @ A3

Revision:

B

Sheet:

1 OF 1

Drawn by:

DM

Date:

29/06/2023

Taken from DS Mastermap 1:1250
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NOTES:

LAND OWNERSHIP
All land for development is leased by the
applicant under a Joint Venture with the
landowners.

CONSTRUCTION NOTES
The penstock is a 180mm HDPE (polyethylene)
pipe buried along its length (approx. 735m
long).

For access, burial and management of
excavated soils etc., a minimum of 3m
easement is required along the route of
the penstock pipe.

TOLERANCES
The final route of the pipeline may vary
marginally as site conditions dictate.

Revisions

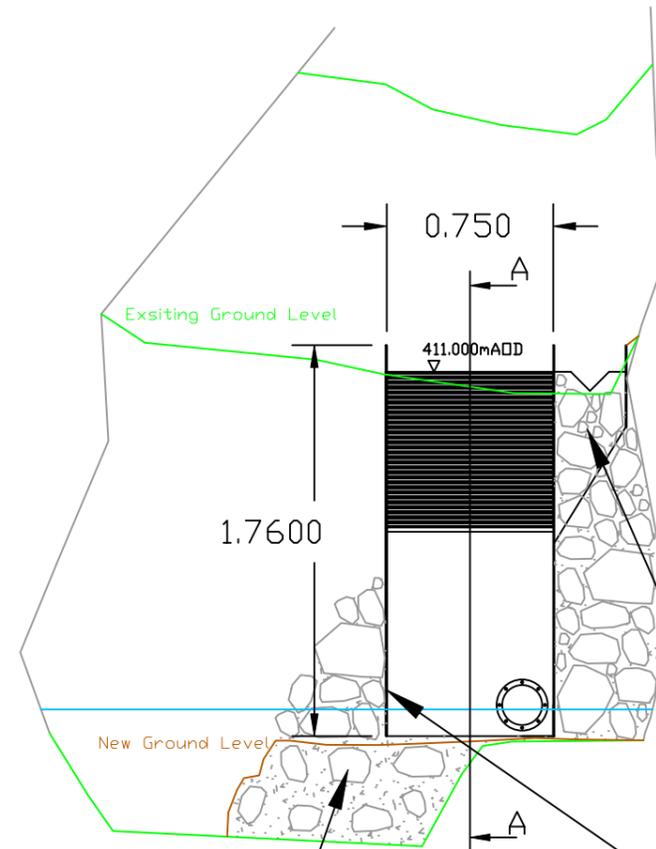
Rev	Description	Approved	Issued
A	Original	DM	20/06/18

NOTES:

The intake structure has been designed
to limit on site construction by assembling
all possible structures off site.

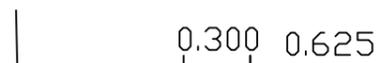
The Intake screen and tank will be
constructed as a single box fabrication.

All dimensions in meters



Stone and mortar will be used to raise the
bed level to produce a foundation around
the intake structure.

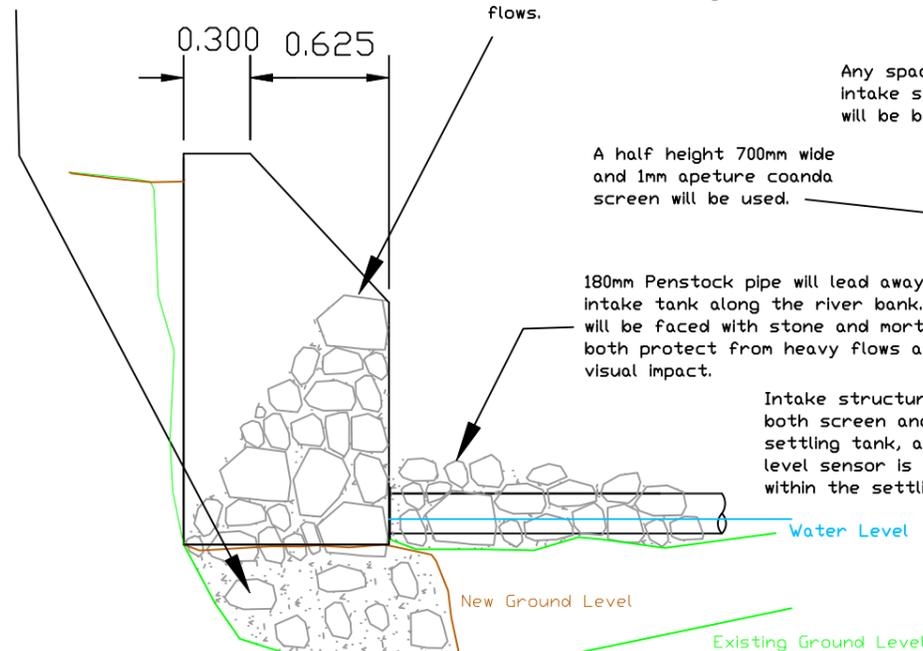
Stone and mortar cladding
will help reduce visual
impact and protect the
intake structure in high
flows.



A half height 700mm wide
and 1mm aperture coanda
screen will be used.

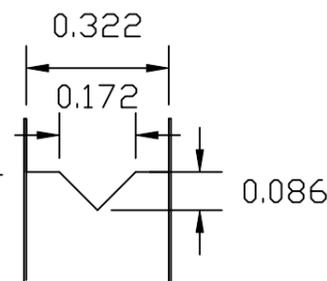
180mm Penstock pipe will lead away from the
intake tank along the river bank. The pipe
will be faced with stone and mortar to
both protect from heavy flows and lower
visual impact.

Intake structure is
both screen and
settling tank, a head
level sensor is housed
within the settling tank

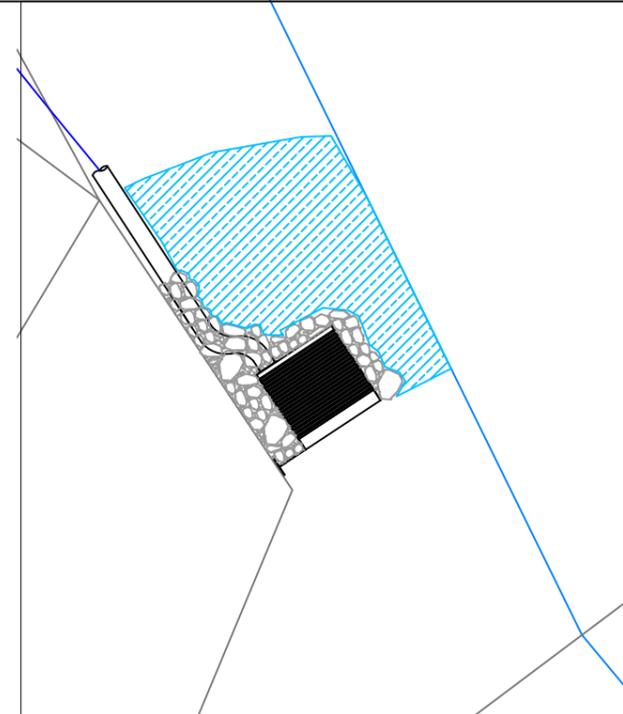


Any space between the between the
intake structure and the waterfall wall
will be back filled with washed stones

Penstock pipe will lead away
from the intake tank along
the river bank. The pipe will
be faced with stone and
mortar to both protect
from heavy flows and lower
visual impact.



HoF will be constructed from
steel plate. A V-notch will be
cut into the plate to allow a
flow of 3lps (Q95) to always
pass through the derogated
reach. (86mm deep 90deg V
notch) 322mm wide flow split
channel



Section A-A