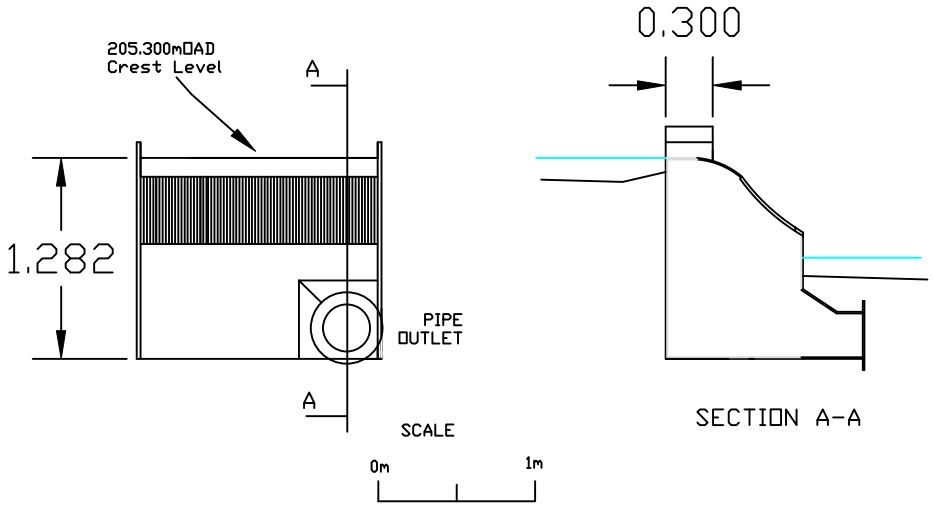
BACKFILLED TO THE COANDA CREST LEVEL WITH LOCALLY DERIVED SEDIMENTS GRADED TO AN EQUIVALENT PARTICLE SIZE DISTRIBUTION TO THE BED LOAD

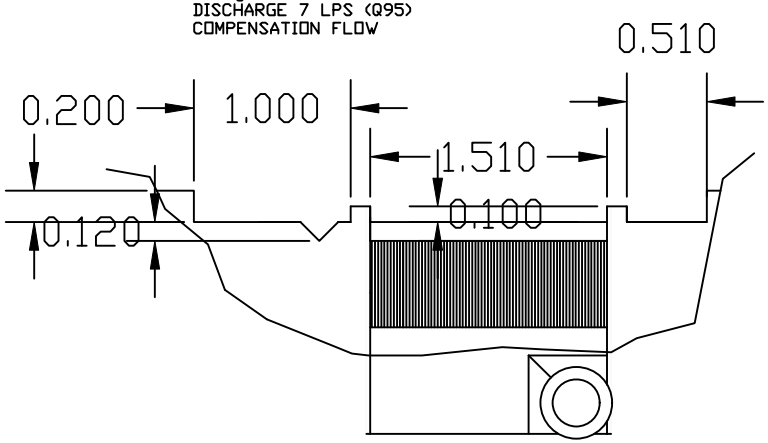


SECTION A-A

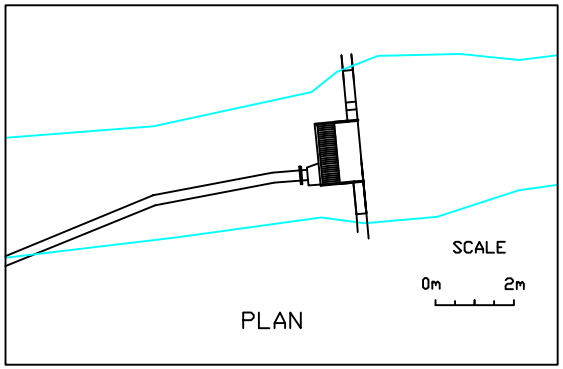
COANDA SCREEN
WITH PREFABRICATED SUMP
ALL FROM 304 STAINLESS STEEL
1.3 MM APERTURE

CONSTRUCTION NOTES
The weir will be constructed by positioning the prefabricated screen and sump and forming a concrete structure around it.

90deg V NOTCH SIZED TO DISCHARGE 7 LPS (Q95) COMPENSATION FLOW



INSTALLED ELEVATION



PLAN

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PRELIMINARY DRAWING FOR CONSENTING PURPOSES - NOT FOR CONSTRUCTION

Project:
Cilybebyll Hydro

Client:
Richard Bowen

Drawing Title:
Intake

File Name:
CYBH-DWG-Intake-A-280725-ARC

Scale:	Revision:	Sheet:
1:30 @ A3	B	1 OF 1

Drawn by:	Date:
ARC	22/12/2025

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NOTES:

LAND OWNERSHIP
All land for development is owned by the applicant apartfrom the far side of watercourse which has agreement in place with neighbouring landowner

CONSTRUCTION NOTES
The penstock is a 315mm HDPE (polyethylene) pipe buried along its length.

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

Revisions

Rev	Description	Approved	Issued
A	Original	ARC	28/07/25
B	Crest level update	ARC	22/12/25