

**FOR CONSENTS ONLY
 *** NOT FOR CONSTRUCTION *****

GENERAL ARRANGEMENT OF PROPOSED SILENT VALLEY WASTE SITE HYDRO SCHEME OUTFALL.

NOTES

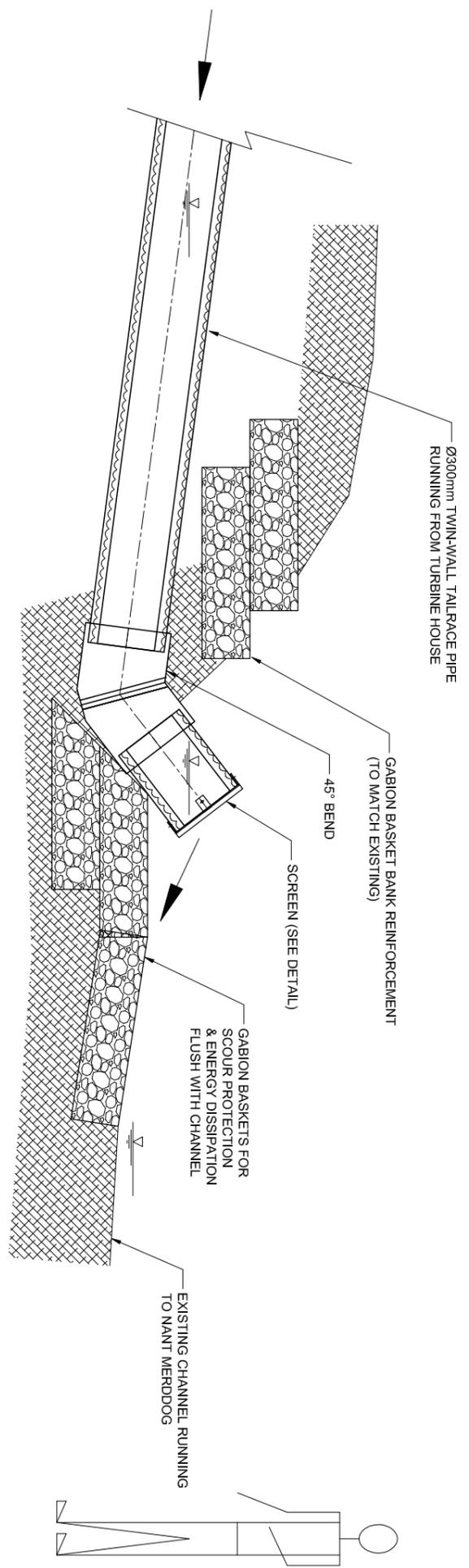
ALL DIMENSIONS IN mm
 ALL DIMENSIONS ARE INDICATIVE & SUBJECT TO DETAILED DESIGN

LOCATION

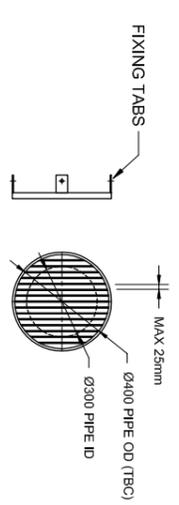
OUTFALL AT GRID REF SO 18665 06710
 AREA CONTAINS EXISTING SURFACE WATER CASCADE DISCHARGES & GABION BANK REINFORCEMENT OUTFALL APPROX. 5-10m UPSTREAM OF REDUNDANT MEASUREMENT FLUME

GENERAL ARRANGEMENT

OUTFALL TO CONSIST OF Ø300mm TWIN-WALL TAILRACE PIPE RUNNING FROM TURBINE SUMP.
 45° BEND WITH ~600mm SHORT PIPE USED TO CREATE U-BEND FOR NOISE MITIGATION AND VELOCITY REDUCTION.
 END OF PIPE TO BE SCREENED WITH SIMPLE BAR SCREEN MAX APERTURE 25mm. SCREEN TO BE FABRICATED FROM STAINLESS STEEL.



LONG SECTION



SCREEN DETAIL

REV	DATE	NAME	CHKD	DESCRIPTION
B	13 JUN 23	MP	-	SUBMERGED OUTLET ADDED
A	26 SEPT 22	MP	-	FIRST ISSUE FOR CONSENTS



CLIENT: BGCBC
 PROJECT: SILENT VALLEY HYDRO SCHEME
 LOCATION: SILENT VALLEY WASTE SITE

PROJECT No: HD03136 SCALE: 1:30 at A3

PROPOSED HYDRO OUTFALL

DRAWING No	SHEET	REVISION
HD03136-DWC-02	1 of 1	B

