

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 18655 06710

AREA CONTAINS EXISTING SURFACE WATER CASCADE DISCHARGES & GABION BANK REINFORCEMENT.

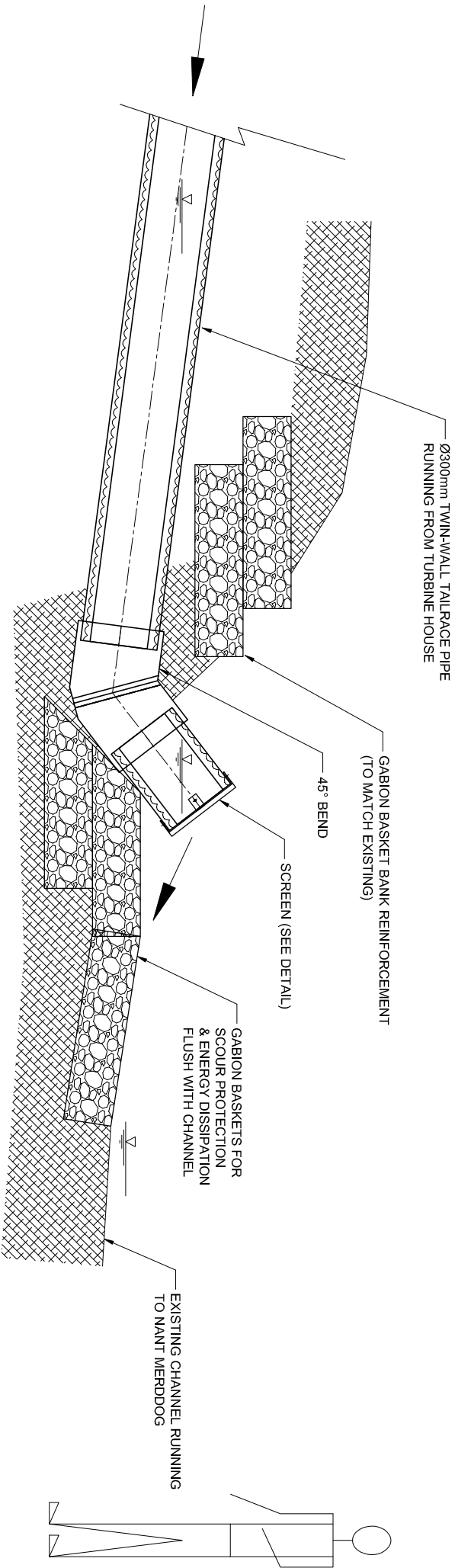
OUTFALL APPROX. 5-10m UPSTREAM OF REDUNDANT MEASUREMENT FLUME

GENERAL ARRANGEMENT

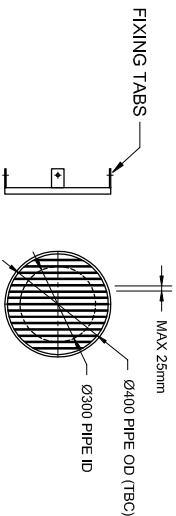
OUTFALL TO CONSIST OF Ø300mm TWIN-WALL TAILRACE PIPE RUNNING FROM TURBINE SUMP.

45° BEND WITH ~500mm 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

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



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CLIENT	BGCBC
PROJECT	SILENT VALLEY HYDRO SCHEME
LOCATION	SILENT VALLEY WASTE SITE
PROJECT No	HD03136
SCALE	1:30 at A3

DRAWING No	HD03136-DWC-02	SHEET	1 of 1	REVISION	B
DRAWING TITLE					
PROPOSED HYDRO OUTFALL					