

*** NOT FOR CONSTRUCTION ***

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

NOTES

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

LOCATION

INTAKE AT GRID REF SO 18800 06830
APPROX. 5m DOWNSTREAM OF CULVERT OUTLET AT START OF CONCRETE SLAB LINED CHANNEL.

GENERAL

INTAKE STRUCTURE TO BE REINFORCED CONCRETE.

INTAKE SCREEN

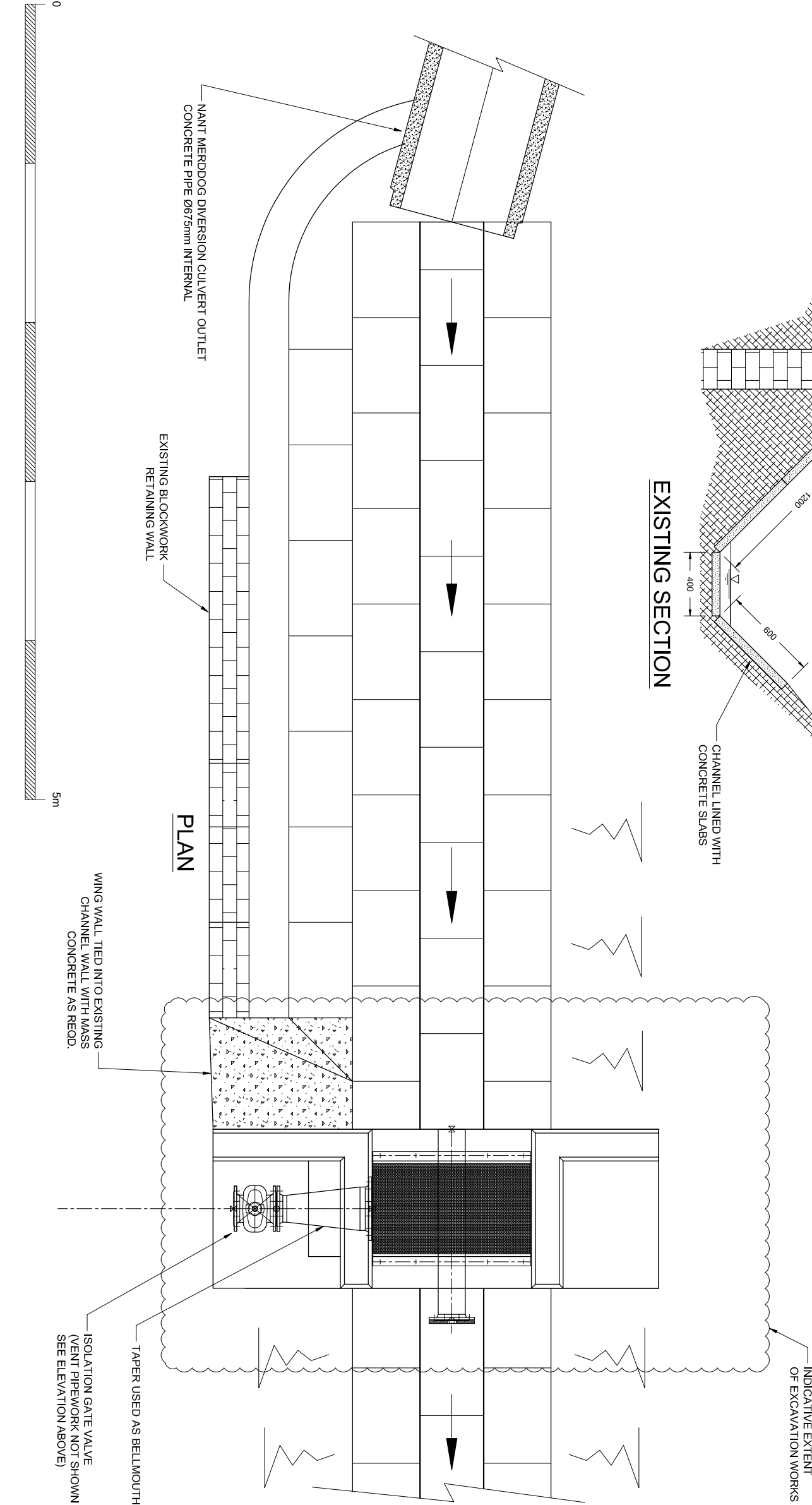
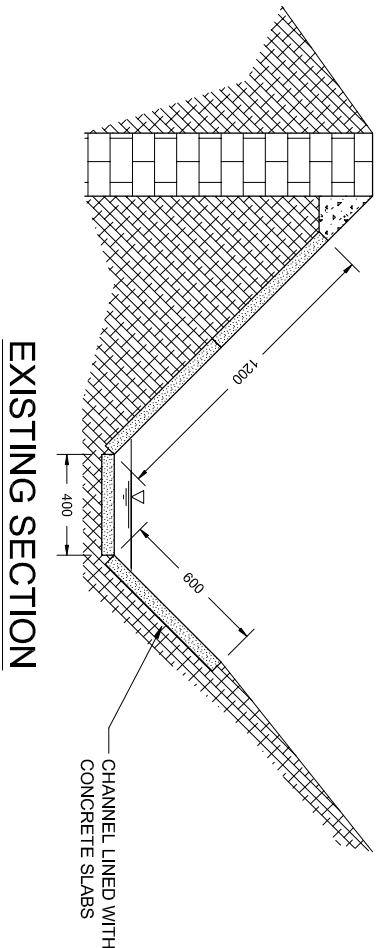
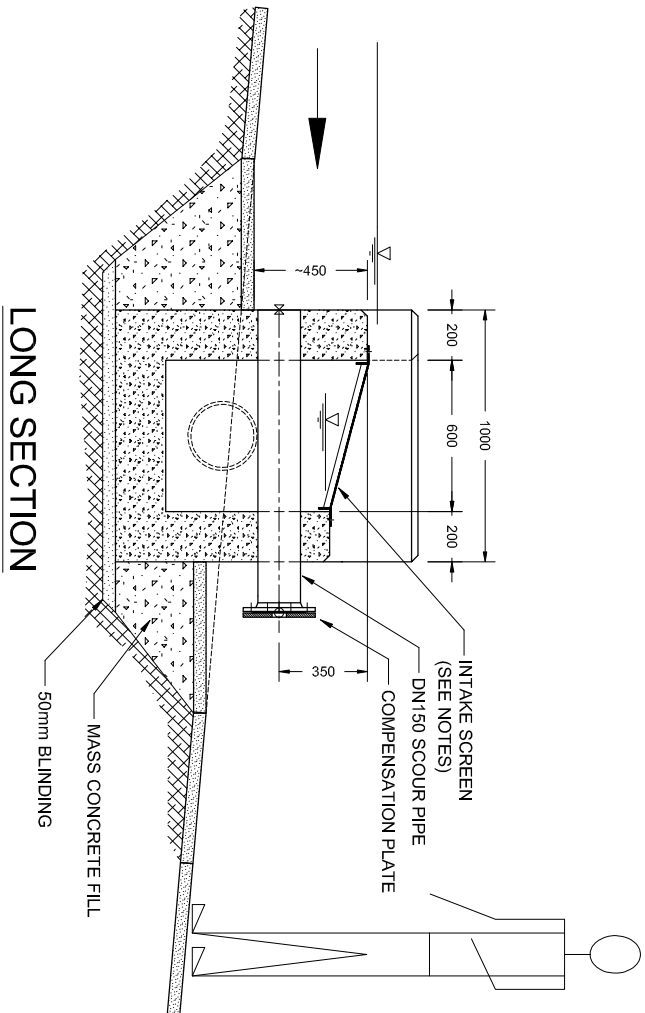
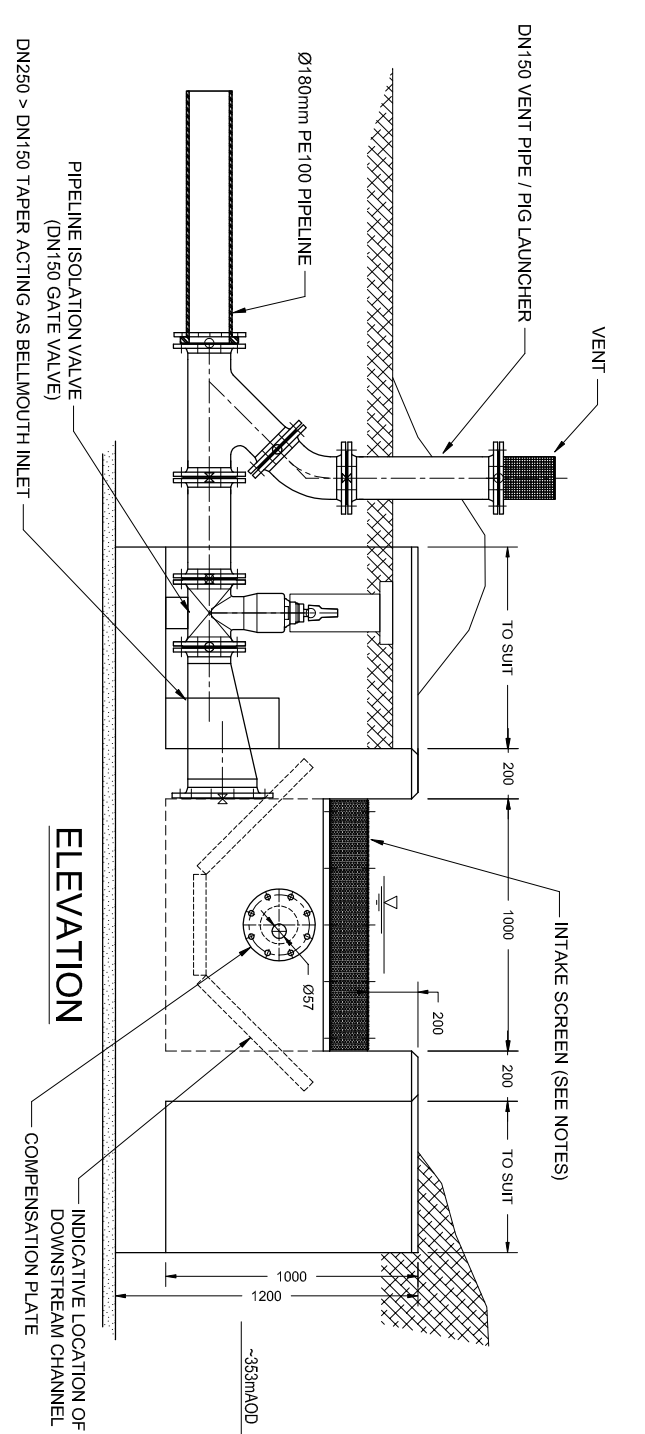
INTAKE SCREEN NOMINALLY 1000x600
MATERIAL TBC BY CONTRACTOR (PERFORATED SHEET, WEDGEWIRE, OR SIMILAR)
MAXIMUM APERTURE 10mm

ABSTRACTION & COMPENSATION FLOW PROVISION

SEE "HD03136-CAL-06-B Silent Valley Hydrology"
MAXIMUM ABSTRACTION EQUIVALENT TO ESTIMATED ADF OF 24 LITRES/SEC.

FIXED COMPENSATION FLOW EQUIVALENT TO 095 Q95 ESTIMATED TO BE 4.0 LITRES/SEC.

COMPENSATION PLATE TO BE DN150 PN16 STAINLESS STEEL FLANGE WITH Ø56mm SHARP EDGE ORIFICE OFFSET 25mm FROM FLANGE CENTRE. PLATE TO BE INSTALLED WITH CENTRE OF ORIFICE SET 350mm BELOW TOP OF SCREEN. OFFSET ALLOWS +/-25mm ORIFICE HEIGHT ADJUSTMENT FOR CALIBRATION.



A	26 SEP 22	MP	-	FIRST ISSUE FOR CONSENTS	
REV	DATE	NAME	CHKD	DESCRIPTION	



dulas

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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 TITLE	PROPOSED HYDRO INTAKE	
DRAWING No	HD03136-DWC-01	SHEET 1 of 1
REVISION	A	