



FEASIBILITY & CONSENTS ONLY

PROPOSED SITE LAYOUT FOR SILENT VALLEY WASTE SITE HYDRO SCHEME

NOTES

INTAKE	SO 18600 06630
POWERHOUSE	SO 18660 06720
OUTFALL	SO 18655 06710
CULVERT INLET	SO 18630 07770

- PROPOSED PIPELINE
- EXISTING DIVERSION CULVERT
- CATCHMENT BOUNDARY

CATCHMENT AREAS
BEST ESTIMATES BASED ON NANT MERDDOG DIVERSION CULVERT AND SITE DRAINAGE IS AS FOLLOWS:

CULVERT INTAKE	= 0.341km ²
EASTERN SURFACE RUNOFF	= 0.167km ²
CULVERT FEED	= 0.182km ²
TOTAL CATCHMENT AREA	= 0.690km ²

(CATCHMENT AREA USED FOR 2019 ABSTRACTION LICENCE = 0.603km²)

LOW FLOWS
FOR COMBINED CATCHMENT AS SHOWN:
RUNOFF = 1097mm
ADF = 24l/s
Q95 = 4l/s



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REV	DATE	NAME	CHKD	DESCRIPTION
B	26 SEP 22	MP	-	CATCHMENT AREAS REVISED
A	4 NOV 21	MP	-	FIRST ISSUE FOR FEASIBILITY



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CLIENT	BLAENAU GWENT CBC
PROJECT	HYDRO RESOURCE ASSESSMENT
LOCATION	BLAENAU GWENT, SOUTH WALES

PROJECT No	HD03136	SCALE	1:10,000 at A3
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SILENT VALLEY WASTE HYDRO HYDROLOGY

DRAWING No	HD03136-MAP-44	SHEET	1 of 1	REVISION	B
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