

Proposed Surface Water Drainage Layout
SCALE 1:250

USE FIGURED DIMENSIONS ONLY

Drainage Design Information:

Site Surface	Area	Surface Run-off Coeff	Surface Area Contributing to the Run-off
Total Roof Area:	958 m ²	1.0	958.00 m ²
Total Imperviable Paving/ Road:	882 m ²	0.9	775.80 m ²
Total Permeable Paving (Including Gravel Patches):	760 m ²	0.5	380.00m ²
Total Landscaped / Grassed area:	1515 m ²	0.1	151.50 m ²
Totals:	4095 m²		2265.03 m²

Allowable Discharge:

Site SAARC:	739 mm
Site Soil Index:	0.37 (Soil Type 3)
Q _{max} for 50 yrs Site:	236.50 l/s
Q _{max} for 0.4095 ha Site:	1.90 l/s
Allowable Discharge - 100 Year Return Rainfall Event:	2.00 l/s

Attenuation Tank Information:

Max Storage Volume Required for 100 yr Return Event:	88.60 m ³
Climate Change Allowance in Volume Calculation:	20%
Tank Volume to be Provided:	92.79 m ³

Nature of Attenuation Tank: Stormtech Arched Attenuation System
As a Stakaway Test to Record Infiltration Capacity on the Site by Site Investigation Ltd Found that the Soil on the Site was Unsuitable for Infiltration of Rain Water Run-off Tank to be Wrapped in Imperviable Membrane.

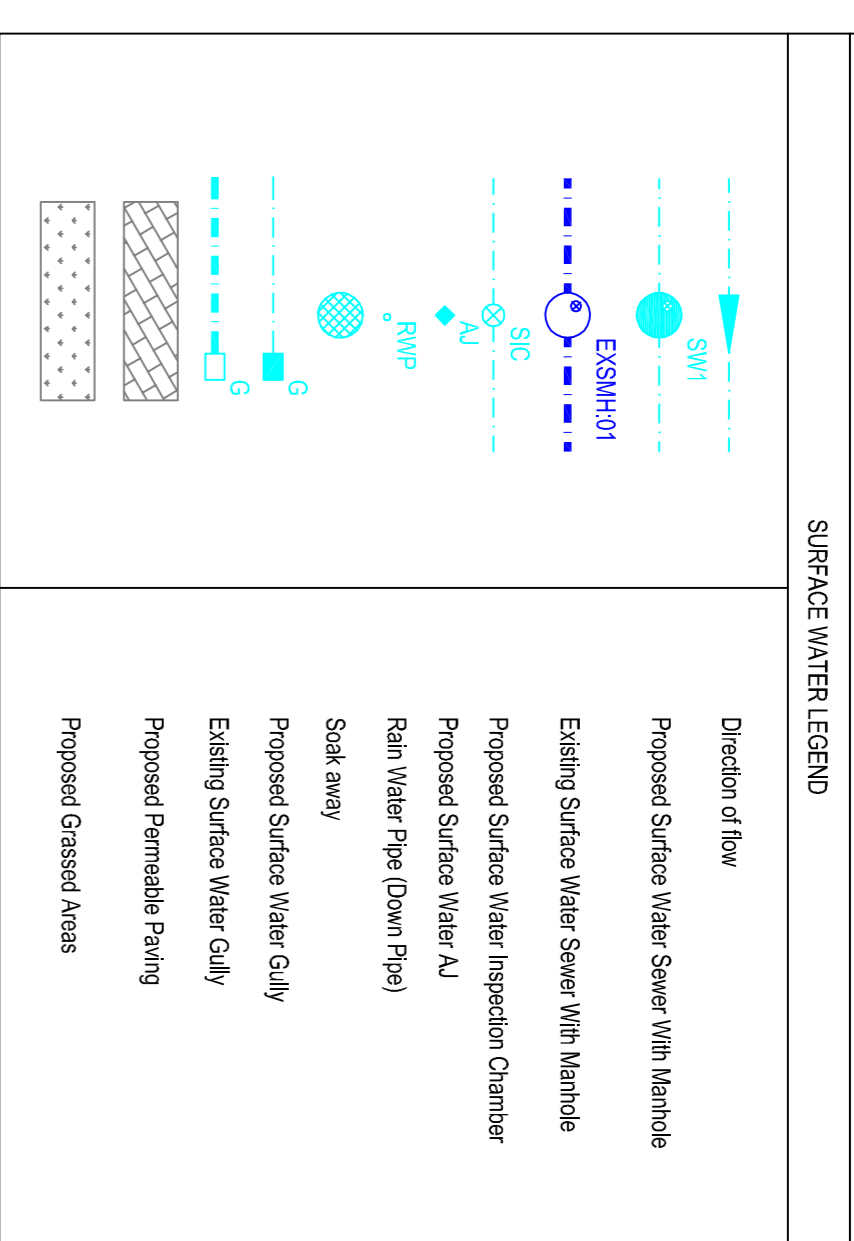
Hydrobrake Chamber

Supplier:	Hydro International
Hydrobrake Reference:	MO98HE-0099-2000-9900-2000 (038.600)
Design head:	60mm
Penstock:	To be provided in MH on lift.
Bypass door:	To be provided on hydro brake with pull handle.
Design flow:	2.0 l/s (100 yr Return)

ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE. ANY ERRORS OR DISCREPANCIES TO BE REPORTED TO THE ENGINEER IN CHARGE.

NOTES

- Drawings to be read in conjunction with all relevant Architects, Engineers and specialist drawings.
- Refer to the relevant drawings for details of any discrepancies prior to proceeding with works.
- Inform the Engineer of any discrepancies prior to proceeding with works.
- The drawing should be printed in colour for clarity.
- All works to commence within 14 days of the date of issue of this drawing.
- All construction, including site to be done strictly in accordance with Irish Water specifications & details.



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PLANNING

Rev.	Date	Description	By	Check
P6	07/07/22	ISSUED FOR PLANNING	CW	NI
P5	05/10/21	ISSUED FOR INFORMATION	CW	NI
P4	30/09/21	ISSUED FOR INFORMATION	CW	NI
P3	17/06/21	DRAFT INFORMATION FOR BUDGET COSTING LAYOUT REVISED	CW	NI
P2	20/01/21	DRAFT INFORMATION FOR BUDGET COSTING LAYOUT REVISED	CW	NI
P1	16/12/20	DRAFT INFORMATION FOR BUDGET COSTING	LCB	NI
Rev.	08/8			Check

Project Name: PROPOSED RESIDENTIAL DEVELOPMENT AT CLONROOSKE
Drawing Title: PROPOSED SURFACE WATER DRAINAGE LAYOUT
Architect: SHERIDAN WOODS ARCHITECTS + URBAN PLANNERS
Client: LAOISE COUNTY COUNCIL

Drawn: LCB
Checked: MW
Approved: RMC

Scale: 1:250 @ A1

Project No: Originator: Volume: Level: Type: Role: Number: Rev: 5362 - MCE - 00 - XX - DR - C/S - 0002 - P6

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