



**INTERCEPTION STORAGE (FIRST 5mm OF RAINFALL)**

**INTERCEPTION PROVIDED BY SWALES**  
 870m<sup>2</sup> x 0.005m = 4.35m<sup>3</sup>

**INTERCEPTION PROVIDED BY PERMEABLE PAVING**  
 1750m<sup>2</sup> x 0.005m = 8.75m<sup>3</sup>

**INTERCEPTION PROVIDED BY BIO-RETENTION**  
 170m<sup>2</sup> x 0.005m = 0.85m<sup>3</sup>

**INTERCEPTION PROVIDED BY TREE PITS**  
 305m<sup>2</sup> x 0.005m = 1.52m<sup>3</sup>

**INTERCEPTION PROVIDED BY INFILTRATION TRENCH**  
 1270m<sup>2</sup> x 0.005m = 6.35m<sup>3</sup>

**LEGEND**

- RED LINE BOUNDARY
- TOTAL AREA FOR DISCHARGE RATE CALCULATION (1200m<sup>2</sup>)
- TOTAL HARDSTAND AREA (8300m<sup>2</sup>)
- GREEN/OPEN AREAS (5700m<sup>2</sup>)

**SUDS ELEMENTS**

- AREA DRAINING TO SWALE (870m<sup>2</sup>)
- AREA DRAINING TO PERMEABLE PAVING (1750m<sup>2</sup>)
- AREA DRAINING TO BIO-RETENTION AREAS (170m<sup>2</sup>)
- AREA DRAINING TO INFILTRATION TRENCH (1270m<sup>2</sup>)
- AREA DRAINING TO TREE PITS (305m<sup>2</sup>)
- AREA DRAINING TO ISOLATOR ROW ONLY (1270m<sup>2</sup>)
- AREA DRAINING TO PETROL INTERCEPTOR ONLY (810m<sup>2</sup>)

**NOTES**

- For setting out refer to Architect's drawings.
- This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
- DO NOT SCALE THIS DRAWING. Use figured dimensions only.
- No part of this document may be reproduced or transmitted in any form or stored in any retrieval system of any nature without the written permission of copyright holder except as agreed.
- Ordnance Survey Ireland Licence Number EN 0074022

**PLANNING DRAWING. NOT FOR CONSTRUCTION. ALL LEVELS GIVEN ARE RELATIVE TO ORDNANCE DATUM. THIS DRAWING HAS BEEN ISSUED FOR INFORMATION PURPOSES ONLY AND MUST NOT BE USED FOR CONSTRUCTION UNLESS ANY CIRCUMSTANCES**

Rev No	Date	Revision Note	Drawn By	Checked By
P1	15.05.2022	ISSUED FOR PLANNING	SC	SS
P2	15.05.2022	REVISED AND REISSUED FOR PLANNING	SC	SS
P3	23.11.2022	REVISED AND REISSUED FOR RFI	SC	SS
PA	02.12.2022	ROAD LAYOUT REVISED	SC	JF
PS	23.01.2023	REVISED AND REISSUED FOR RFI	SC	JF

  

Architect	JFOC Architects	Project	Proposed Development at Newcastle, Dublin
Title	Contributing Areas And SUDS Areas	Client	NCA-CSC-ZZ-SI-DR-C-0011
Date	May 2022	Drawn By	SC
Checked By	SS	Approved By	OS
Scale	1:250 @ A1	Revision	P5

  

Company	CS Consulting Group	Address	DUBLIN 1 LONDON LIMERICK
Head Office	19/22 Dame Street, Dublin 2	Phone	T: +353 (0)1 5480863
Website	www.csconsulting.ie	Quality	ISO 9001:2015
Environment	ISO 14001:2015	Health & Safety	ISO 45001:2018