



LEGEND:

- PROPOSED PERMEABLE PAVING
- PROPOSED PUBLIC RAIN GARDEN
- PROPOSED BIORETENTION TREE PITS
- PROPOSED PRIVATE RAIN GARDEN
- PROPOSED ROADSIDE GRASS SWALE

This drawing should not be scaled. Dimensions to be verified on site.
Any discrepancies should be referred to the Engineer prior to work being put in hand.
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- NOTES:
- DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.

TOTAL ATTENUATION STORAGE VOLUMES OFFERED IN PROPOSED SUDS FEATURES:

SUDS Feature	Area (m²)	Depth	Void Ratio	Storage Volume Provided (m³)
SUDS within the Phase 2 Subject Site Redline Boundary				
Permeable Paving	1870	0.35	0.4	262 m³
Public Rain Gardens	1172	0.65	0.4	305 m³
Private Rain Gardens	631	0.50	0.4	126 m³
Bio-retention Tree Pits	380	1.00	0.4	152 m³
Swales	106	1.00	0.4	64 m³
Total				909 m³
SUDS within the Approved Phase 1 Redline Boundary serving Phase 2				
Above Ground Detention Basin	Varies	0.50	1.0	375 m³
Pluvial Cube System (Tank 1)	800	1.45	0.95	1102 m³
Total				1477 m³

01	31/01/25	ISSUED FOR PLANNING	IG	IW
Rev	Date	Description	By	Chk
Amendments				
Project				
CHERRY ORCHARD POINT PHASE 2				
Title				
PROPOSED SuDS LAYOUT				
Client				
LAND DEVELOPMENT AGENCY				
waterman moylan				
BLOCK S, EASTPOINT BUSINESS PARK, ALFIE BYRNE ROAD, DUBLIN D03 H3F4 IRELAND. Tel: (01) 664 8900 Email: info@waterman-moylan.ie www.waterman-moylan.ie				
Status				
PLANNING				
Designed By	PI	Approved	IW	Waterman Ref
Drawn By	IG	Date	JAN. 2025	Scales @ A1
Project - Originator - Volume - Level - Type - Role - Number				Revision
COP-WMC-PH2-00-DR-P-0205				01