



LEGEND:

- Redline Boundary
- Proposed Blue / Green Roof (Building Blocks) - 250mm Thick Water Storage Layer
- Proposed Blue / Green Roof (Above Basements) - 250mm Thick Water Storage Layer
- Proposed Rain Garden with Flow Control Outlet - Refer to Landscape Architects Drawings for Further Details
- Proposed Roadside Surface Water Conveyance Swale - Refer to Landscape Architects Drawings for Further Details
- Proposed Surface Water Carrier Pipe
- Existing Surface Water Carrier Pipe
- Proposed Surface Water Manhole
- Existing Surface Water Manhole
- Proposed Surface Water Fin Drain

NOTES:

- This drawing is to be read in conjunction with the Engineering Services Report.
- All drainage to be constructed in accordance with the Greater Dublin Regional Code of Practice for Drainage Works and Local Authority Requirements.
- Building block connections (omitted for clarity) shall comprise 150mm dia. (min) pipes discharging to the adjacent Surface Water Sewer.
- Surface water attenuation and SuDS proposals shall comprise of Blue / Green Roofs, Rain Gardens, Conveyance Swales and Flow Controls.
- Proposed Conveyance Swales to discharge to existing surface water drainage network.
- Runoff from the proposed development shall be restricted to 3.73l/s/ha (QBAR) which equates to 4.6l/s.
- Attenuated runoff from development to discharge to existing public network.

ATTENUATION VOLUME REQUIREMENTS:

Location	Attenuation Measure	Attenuation Volume Required (m³)	Attenuation Volume Provided (m³)	Max. Permitted Discharge Flow Rate (l/s)
Roof Block A & B	Blue / Green Roof	280.1	466.1	1.2
Roof Block C	Blue / Green Roof	104.4	105.5	0.4
Roof Block D	Blue / Green Roof	222.6	464.4	0.9
Podium Above Block A, B, C Car Park	Blue / Green Roof	226.3	441.5	0.9
Podium Above Block D Car Park	Blue / Green Roof	188.3	362	0.7
Central Public Open Space	Rain Gardens	95.1	122.4	0.5
Total		1197.8	2159.9	4.6

PLAN LAYOUT
SCALE 1:400@A1

No.	Revision	Date	By	Chkd	App'd
P01	ISSUED FOR REVIEW & COMMENT	16/08/2024	CMG	CMG	EOC
P02	ISSUED FOR REVIEW & COMMENT	09/09/2024	CMG	CMG	EOC
P03	SITE LAYOUT AND REDLINE BOUNDARY UPDATED	10/10/2024	CMG	CMG	EOC
P04	ISSUED FOR PLANNING	19/02/2025	CMG	CMG	EOC
P05	ISSUED FOR PLANNING	07/03/2025	CMG	CMG	EOC



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Drawn	Designed	Checked	Approved	Suitability Code - Description
MA	CMG	EOC	EOC	S4 - Stage Approval

Project Stage	PLANNING						
Project Title	PROPOSED RESIDENTIAL DEVELOPMENT, PARKMORE INDUSTRIAL ESTATE						
Drawing Title	Proposed Surface Water Drainage Layout						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
PIE	-	ROD	-	HDG	-	SW_AE	- DR - CD - 30050
Scale (A1)	1:400	Date:	JUNE 2024	Job No:	23.111	Rev:	P05