



LEGEND:

- PROPOSED ROOF LEVEL
- PROPOSED EXTENSIVE GREEN ROOF 848m²
- PROPOSED LANDSCAPED AREAS ON PODIUM AND GROUND LEVEL 597m²
- PROPOSED GREEN AREAS ON PODIUM 467m²
- SITE BOUNDARY LINE

PROPOSED SURFACE WATER MANAGEMENT PLAN:

1. RAINFALL RUNOFF WILL BE INTERCEPTED AND TREATED AT ROOF LEVELS USING GREEN ROOFS. THE GREEN ROOFS WILL INTERCEPT AND ABSORB THE FIRST 5 - 10mm OF RAINFALL, THEREBY REDUCING THE VOLUME OF RUNOFF INTO THE RECEIVING SYSTEMS. RAINFALL RUNOFF THAT IS NOT ABSORBED BY THE GREEN ROOF WILL FILTRATE THROUGH THE SUBSTRATE AND GEOTEXTILE FILTER FABRIC.
2. PAVEMENT RUNOFF WILL BE INTERCEPTED AND TREATED USING A RANGE OF SUDS COMPONENTS INCLUDING PERMEABLE PAVEMENT, BIORETENTION SYSTEMS SHALLOW INFILTRATION SYSTEMS AND CATCHPITS. THE ENGINEERED SUBSTRATE WILL PROVIDE INTERCEPTION WITHIN THE VOIDS AND BY RAISING THE INVERT OF THE OUTLET PIPE TO 100mm ABOVE THE BASE, THE GEOTEXTILE FILTER MATERIAL CAN OFFER SECONDARY TREATMENT OF RAINFALL RUNOFF BY PREVENTING INGRESS OF FINE MATERIAL FROM PAVED AREAS THROUGH FILTRATION PRIOR TO DISCHARGE INTO COMBINED DRAINAGE NETWORK.

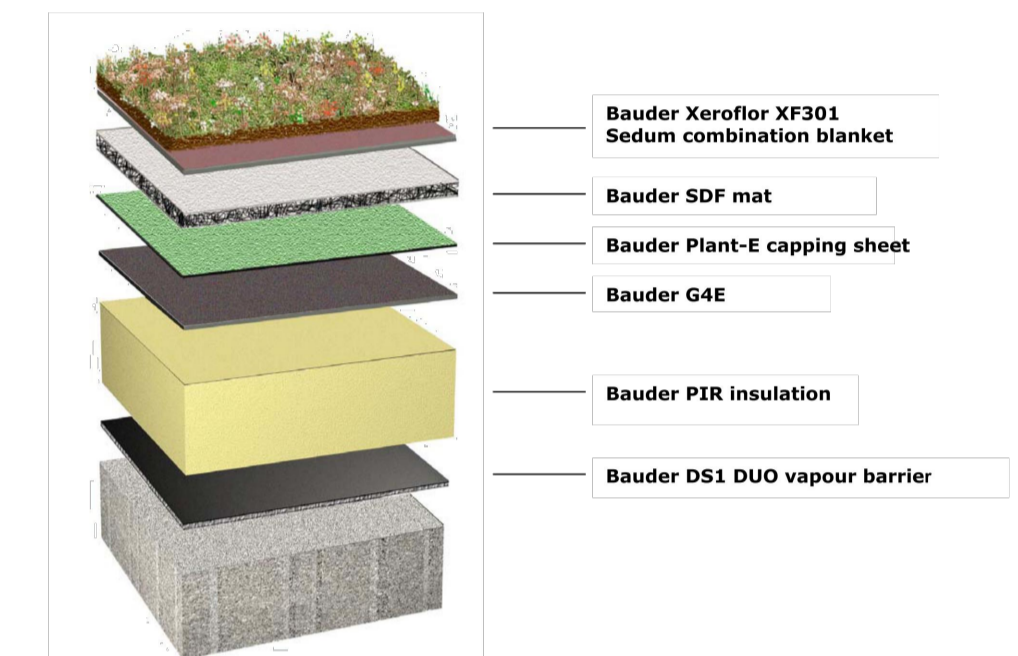
TOTAL ROOF AREA (ALL FLOORS) = 3645m²
 TOTAL GREEN ROOF AREA (ALL FLOORS) = 848m² (23.2%)



TECHNICAL DATA SHEET

Date: 11-02-2005

Xero Flor sedum blanket system - Construction and Saturated loading
 Insulated with roof fall of 1"-2"



Specification Build-up	Thickness/mm	Weight kgs/m ²
Vapour barrier - DS1 DUO	3.5	4.3
Insulation	140	5.32
G4E Underlayer	4	4.8
Plant-E capping sheet	5	6.0
SDF Mat	20	0.6
XF301 sedum blanket	33	43.8
System build-up	185.5	
Overall saturated weight in kgs/m²		64.06

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PROPOSED GREEN ROOF LEVEL LAYOUT.

SCALE= 1:250

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Rev. No.	Date	REVISION NOTE	Drn. By	Chkd. By
P1	16.05.2022	ISSUED FOR PLANNING	SC	RF

Client	Landmarque Belgard Development Co. Ltd
Project	The Arboury Belgard Road, Dublin 24
Title	PROPOSED GREEN ROOF LEVEL LAYOUT
Dwg. No.	BR-CSC-ZZ-R0-DR-C-0008
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 Energy I.S. EN ISO 14001:2004
 Health & Safety OHSAS 18001:2007