

INTERCEPTION STORAGE: (FIRST 5mm OF RAINFALL)

OVERALL SITE IMPERMEABLE AREA = 19268m²

REQUIRED INTERCEPTION FOR OVERALL SITE
19268m² x 5mm OF RAINFALL = 96.34m³

INTERCEPTION PROVIDED BY:
PERMEABLE PAVEMENT = 825.00m² x 0.005m = 4.13m³

INTERCEPTION PROVIDED BY:
GREEN ROOFS = 1537.88m² x 0.010m = 15.37m³

INTERCEPTION PROVIDED BY:
BLUE GREEN ROOFS = 2962.29m² x 0.015m = 44.43m³

INTERCEPTION PROVIDED BY:
PODIUM BLUE ROOFS = 1603.24m² x 0.010m = 16.03m³

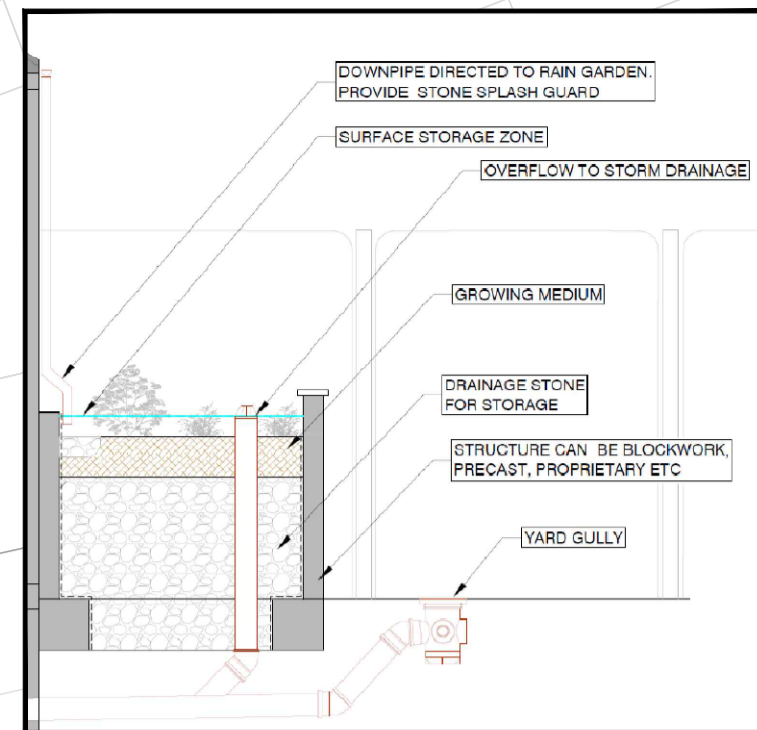
INTERCEPTION PROVIDED BY:
STORMTECH SYSTEM TOTAL AREA = 287m²

VOLUME IN STONE LAYER BELOW TANK
= 287m² x 230mm x 0.4 VOIDS = 26.40m³

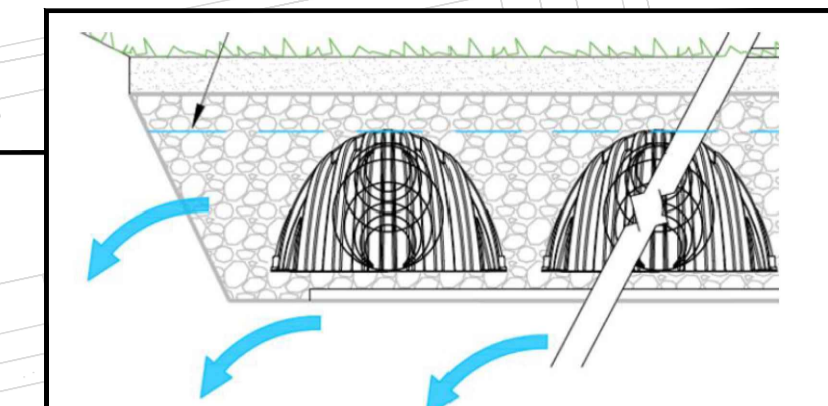
TOTAL INTERCEPTION PROVIDED = 106.36m³

SuDS FEATURES LEGEND:

SITE BOUNDARY	
PHASING LINE	
PROPOSED PERMEABLE PAVING	
PROPOSED GREEN ROOF	
PROPOSED BLUE GREEN ROOF	
PROPOSED PODIUM BLUE ROOF	
PROPOSED SOFT LANDSCAPING	
PROPOSED RAIN GARDEN FILTER BEDS	
PROPOSED STORM SEWER	
EXISTING STORM SEWER	



RAIN GARDEN (AT EDGES OF BUILDING – FILTER BEDS).



MODULAR STORAGE REQUIRED 310M³

PHASE 1

PHASE 2

BELOW GROUND TANK
STORMTECH SYSTEM

GREEN ROOF
AREA: 207.65m²

BLUEROOF No.4
BLUE GREEN ROOF
AREA: 597.77m²

BLUEROOF No.2
PODIUM BLUE GREEN ROOF
AREA: 1156.04m²

GREEN ROOF
AREA: 788.45m²

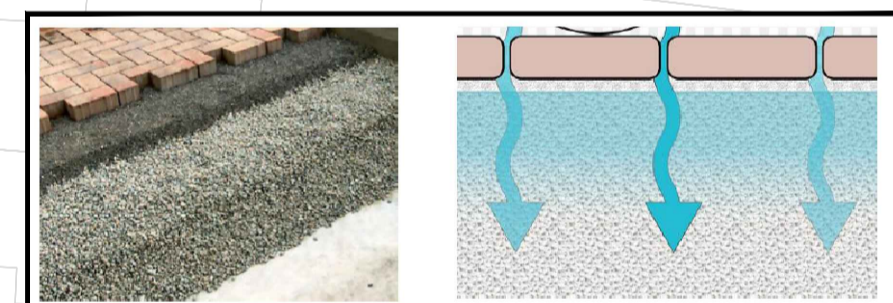
BLUEROOF No.1
BLUE GREEN ROOF
AREA: 593.81m²

BLUEROOF No.5
BLUE GREEN ROOF
AREA: 1105.61m²

BLUE ROOF No.6
BLUE GREEN ROOF
AREA: 665.1m²

BLUE ROOF No.3
PODIUM BLUE GREEN ROOF
AREA: 447.2m²

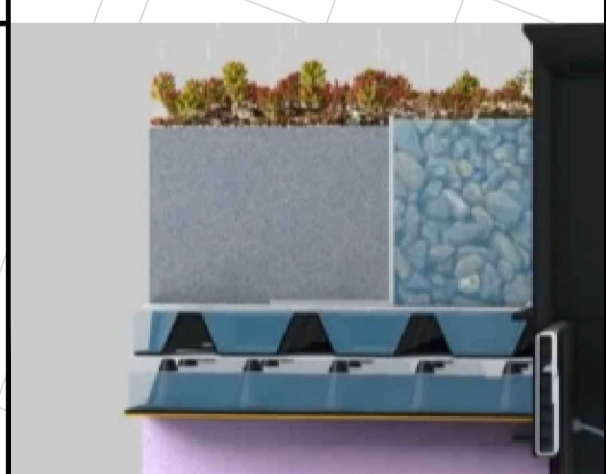
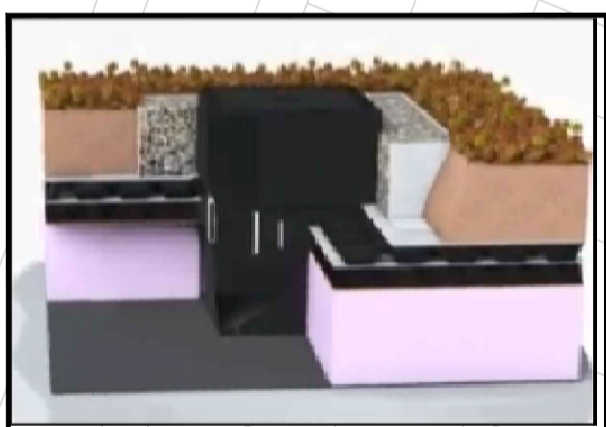
GREEN ROOF
AREA: 627.12m²



PERMEABLE PAVING TO ALL SITE SPACES.

Type of green roof	Minimum coverage (% of total roof area being developed)
Extensive	70%
Intensive	50%

GREEN ROOF AS NOTED TO MEET DCC POLICY.



BLUE ROOF.

PHASE 1



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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.
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Rev. No.	Date	REVISION NOTE	Drn. By	Chkd. By
P1	05.09.2024	ISSUED FOR PLANNING	SC	LJ
P2	12.02.2025	DRAFT ISSUE TO PLANNERS	SC	LJ
P3	24.02.2025	PRE-PART 8 ISSUE	AB	LJ
P4	10.03.2025	ISSUED FOR PLANNING	SC	LJ
P5	02.05.2025	FINAL PLANNING ISSUE	SC	LJ

Client	LDA on behalf of DCC
Project	LDA Bluebell Waterways
Title	Proposed SuDS Layout
Dwg. No.	BBWW-CSC-ZZ-XX-DR-C-0024
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Chkd. by	LJ
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Revision	P5

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Quality Environment I.S. EN ISO 9001:2008
NSAI Certified Energy I.S. EN ISO 14001:2004
Health & Safety OHSAS 18001:2007