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ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE. DO NOT SCALE DIMENSIONS.

THE CONTRACTOR SHALL CHECK ALL DIMENSIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED TO THIS OFFICE IN WRITING.

NOTES

BY	DRAWING No. & REFERENCE	DATE
SURVEY		
ARCH	SH5-FLD-DR-MOR-CS-P3-003	03/09/2024
LS/ARCH	SH5-FLD-DR-MAL-L-P1-001	27/04/2024

LEGEND

	EXISTING SURFACE DRAINAGE LINE
	EXISTING SURFACE MANHOLE
	EXISTING SURFACE ARMSTRONG JUNCTION
	EXISTING SURFACE ROAD GULLY
	PROPOSED SURFACE DRAINAGE LINE
	PROPOSED SURFACE MANHOLE
	PERMEABLE PAVING
	INTENSIVE GREEN ROOF OVER 50% OF ROOF AREA
	BLUE ROOF OVER 75% OF ROOF AREA
	RAINWATER PIPES

DRAINAGE NOTES

1. REFER TO DWG. 130 FOR DRAINAGE NOTES

GREEN/BLUE ROOF ATTENUATION VOLUME
 GREEN/ BLUE ROOF AREA = 1413.800m²
 STORAGE LAYER = 0.1m DEEP
 VOID RATIO = 95%
 STORAGE VOLUME PROVIDED = 134.311m³
 STORAGE VOLUME REQUIRED = 23.251m³

ATTENUATION ZONE INFORMATION
 ATTENUATION PROVIDED BY STONE FILL UNDER PERMEABLE PAVING (30% STONE VOID RATIO ASSUMED)

LEVELS CHECK
 LOWEST ROAD LEVEL = 18.370m-0.3m FREEBOARD = 18.070m
 LOWEST FFL = 18.000m-0.3m FREEBOARD = 17.700m
 LET THE PERMITTED 1:100 YEAR WATER LEVEL = 17.700m
 PERMEABLE PAVING PERFORATED COLLECTOR PIPE IL = 17.218m

ATTENUATION VOL. REQUIRED = 59.631m³
 ATTENUATION ZONE AREA = 400.673m²
 VOID RATIO = 30%
 ATTENUATION STORAGE DEPTH = (59.631m³/400.673m²)/30% = 0.482m

REFER TO DWG 151 FOR ATTENUATION ZONE DETAIL AND SECTION



1	ISSUED FOR PLANNING	09.09.24	KA	DW
0	ISSUED FOR CO-ORDINATION	29.08.24	KA	DW
REV	DESCRIPTION	DATE	BY	CHK

STATUS: P3 - PLANNING

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CLIENT: DUBLIN CITY COUNCIL

JOB NAME: SOCIAL HOUSING BUNDLE 4, FORBES LANE DEPOT

DRG. NAME: SUDS LAYOUT

JOB REF	SHEET	SCALE	DATE	BY	ENG	APP	REV.
23006	A1	1:250	JULY 2023	KA	PB	PB	1

DRG. NO.: SHB5-FLD-DR-MOR-CS-P3-150