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THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, SPECIFICATIONS AND THE PRELIMINARY HEALTH & SAFETY PLAN.

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
ARCH	SHB4-WRF-DR-SHM-AR-P2-0004	12.04.2024
CS	SHB4-WRF-DR-MAL-L-P1-0100_Ver1	21.03.2024

LEGEND

---	EXISTING SURFACE DRAINAGE LINE
□	EXISTING SURFACE MANHOLE
EXSW/AJ	EXISTING SURFACE ARMSTRONG JUNCTION
■	EXISTING SURFACE ROAD GULLY
---	PROPOSED SURFACE DRAINAGE LINE
■	PROPOSED SURFACE MANHOLE
■	PROPOSED SURFACE ROAD GULLY
▨	PERMEABLE PAVING
■	RAIN GARDEN AREA
---	PERMEABLE PAVING UNDERDRAIN 150φ
---	SWALE/RAIN GARDEN UNDERDRAIN 150φ
■	INSPECTION CHAMBER
■	STANDARD ROOF
■	PROPOSED BLUE ROOF SYSTEM
■	PROPOSED GREEN/BLUE ROOF SYSTEM

DRAINAGE NOTES

- ALL DRAINAGE INFRASTRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
- WHERE INFORMATION CONTAINED WITHIN THE CODE OF PRACTICE CONFLICTS WITH OTHER NOTES ON THIS DRAWING, THE CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE CODE OF PRACTICE.



DETENTION BASIN

LEVELS CHECK
 LOWEST ROAD LEVEL = 51.230m
 1:100YR WATER LEVEL i.e. 300mm FREEBOARD = 50.930m
 LOWEST FFL = 52.000m
 1:100YR WATER LEVEL i.e. 500mm FREEBOARD = 51.500m
 LET THE 1:100YR WATER LEVEL = 50.930m

DETENTION BASIN
 SIDE SLOPE 1:4
 TOP OF EMBANKMENT = 51.230m
 1:100YR WATER LEVEL = 50.930m
 i.e. 300mm FREEBOARD FROM 1:100YR WATER LEVEL
 BASIN BOTTOM LEVEL = 49.648m

TOP AREA OF BASIN AT 1:100YR STORM WATER = 184.960m²
 BOTTOM AREA OF BASIN AT 1:100YR STORM WATER = 5.060m²
 AVERAGE AREA = 95.010m²
 1:100YR STORM VOLUME PROVIDED = 95.010m² x 1.282m = 121.803m³
 1:100YR STORM VOLUME REQUIRED = 78.576m³

REFER TO DWG. 151 FOR DETENTION BASIN SECTION AND DETAILS

GREEN/BLUE ROOF ATTENUATION VOLUME

TOTAL GREEN/BLUE ROOF AREA = 1138.61m²
 STORAGE LAYER = 0.1m DEEP
 VOID RATIO = 95%
 STORAGE VOLUME PROVIDED = 108.170m³
 STORAGE VOLUME REQUIRED = 15.234m³

6	ISSUED FOR PLANNING	03.07.24	KA	ND
5	SITE LAYOUT REVISED TO SUIT AUDIT COMMENTS	19.06.24	KD	KA
4	ISSUED FOR INFORMATION	18.04.24	KA	ND
3	ISSUED FOR INFORMATION	14.04.24	KA	ND
2	ISSUED FOR INFORMATION	20.03.24	KA	PB
1	DRAINAGE REVISED TO SUIT NEW SITE LAYOUT	19.02.24	KA	PB
0	ISSUED FOR PLANNING	25.01.24	KA	PB

STATUS: **P3 - PLANNING**

MOR
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CLIENT: DUBLIN CITY COUNCIL

JOB NAME: SOCIAL HOUSING BUNDLE 4, DEVELOPMENT AT WELLMOUNT ROAD, FINGLAS

DRG. NAME: SUDS LAYOUT

JOB REF	SHEET	SCALE	DATE	BY	ENG	APP	REV.
23006	A1	1:250	SEPT'2023	KA	KA	PB	6

DRG. NO.: SHB4-WRF-DR-MOR-CS-P3-150