



REEN ROOF OR PODIUM SYSTEMS BY THE SUPPLIER,
& ROT PROOF.

INSPECT ALL COMPONENTS INCLUDING SOIL SUBSTRATE, VEGETATION, DRAINS, IRRIGATION SYSTEMS (IF APPLICABLE), MEMBRANES AND ROOF STRUCTURE FOR PROPER OPERATION, INTEGRITY OF INSPECT SOIL SUBSTRATE FOR EVIDENCE OF EROSION CHANNELS AND IDENTIFY ANY SEDIMENT SOURCES. INSPECT DRAIN INLETS TO ENSURE UNRESTRICTED RUNOFF FROM THE DRAINAGE LAYER TO THE

REMOVE DEBRIS AND LITTER TO PREVENT CLOGGING OF INLET DRAINS AND INTERFERENCE WITH PLANT DURING ESTABLISHMENT (I.E. YEAR ONE), REPLACE DEAD PLANTS AS REQUIRED. MONTHLY (BUT USUALLY POST ESTABLISHMENT, REPLACE DEAD PLANTS AS REQUIRED (WHERE > 5% OF COVERAGE). ANNUALLY (IN REMOVE FALLEN LEAVES AND DEBRIS FROM DECIDUOUS PLANT FOLIAGE. SIX MONTHLY OR AS REQUIRED REMOVE NUISANCE AND INVASIVE VEGETATION, INCLUDING WEEDS SIX MONTHLY OR AS REQUIRED MOW (IF APPROPRIATE) AS REQUIRED - CLIPPINGS SHOULD BE REMOVED AND NOT ALLOWED TO ACCUMULATE.

IF EROSION CHANNELS ARE EVIDENT. THESE SHOULD BE STABILISED WITH EXTRA SOIL SUBSTRATE SIMILAR TO THE ORIGINAL MATERIAL, AND SOURCES OF EROSION DAMAGE SHOULD BE IDENTIFIED AND IF DRAIN INLET HAS SETTLED, CRACKED OR MOVED, INVESTIGATE AND REPAIR AS APPROPRIATE.

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECT'S DRAWINGS.FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - `ASK'.
- CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

NOTES: NON-WOVEN GEOTEXTILE SPECIFICATION. THE GEOTEXTILE SHALL: • SUSTAIN A TENSILE LOAD OF NOT LESS THAN 5.0kN/m AT BREAK AND

- HAVE A MINIMUM FAILURE STRAIN OF 10% WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 10319; HAVE A MINIMUM PUNCTURE RESISTANCE OF 1200 N WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12236:
- HAVE A SIZE DISTRIBUTION OF PORE OPENINGS SUCH THAT THE APPARENT OPENING SIZE 090 WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12956, OR OTHER APPROPRIATE TEST, IS
- LESS THAN 300 MICRONS • ALLOW WATER TO FLOW THROUGH IT, IN EITHER DIRECTION, NORMAL TO ITS PRINCIPAL PLANE AT A RATE OF NOT LESS THAN 10 I/m²/s, UNDER A CONSTANT HEAD OF WATER OF 100mm
- AND A MAXIMUM BREAKTHROUGH HEAD OF 50MM WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12958. 2. PLAN AREA OF THE BIO-RETENTION AREA SHOULD BE 2-4% OF THE
- OVERALL AREA DRAINED. MAXIMUM WIDTH 10m UNLESS NOTED OTHERWISE.

MAINTENANCE REQUIREMENTS FOR PERMEABLE PAVEMENTS

REGULAR MAINTENANCE BRUSHING AND VACUUMING (STANDARD COSMETIC SWEEP OVER WHOLE SURFACE). ONCE A YEAR, AFTER AUTUMN LEAF FALL, OR REDUCED FREQUENCY AS REQUIRED, BASED ON SITE-SPECIFIC OBSERVATIONS OF CLOGGING OR MANUFACTURER'S RECOMMENDATIONS - PAY PARTICULAR ATTENTION TO AREAS WHERE WATER RUNS ONTO PERVIOUS SURFACE FROM ADJACENT IMPERMEABLE AREAS AS THIS AREA IS MOST LIKELY TO COLLECT THE MOST SEDIMENT STABILISE AND MOW CONTRIBUTING AND ADJACENT AREAS. FREQUENCY -AS REQUIRED REMOVAL OF WEEDS OR MANAGEMENT USING GLYPHOSPATE APPLIED DIRECTLY INTO THE WEEDS BY AN APPLICATOR RATHER THAN SPRAYING. FREQUENCY - AS REQUIRED - ONCE PER YEAR ON LESS FREQUENTLY USED PAVEMENTS

REMEDIAL ACTIONS REMEDIATE ANY LANDSCAPING WHICH, THROUGH VEGETATION MAINTENANCE OR SOIL SLIP, HAS BEEN RAISED TO WITHIN 50mmOF THE LEVEL OF THE PAVING. FREQUENCY - AS REQUIRED REMEDIAL WORK TO ANY DEPRESSIONS, RUTTING AND CRACKED OR BROKEN BLOCKS CONSIDERED DETRIMENTAL TO THE STRUCTURAL PERFORMANCE OR A HAZARD TO USERS, AND REPLACEMENT OF LOST JOINTING MATERIAL. FREQUENCY - AS REQUIRED REHABILITATION OF SURFACE AND UPPER SUBSTRUCTURE BY REMEDIAL SWEEPING. FREQUENCY - EVERY 10 TO 15 YEARS OR AS REQUIRED (IF INFILTRATION PERFORMANCE IS REDUCED DUE TO SIGNIFICANT CLOGGING)

MONITORING INITIAL INSPECTION: MONTHLY FOR THREE MONTHS AFTER INSTALLATION. INSPECT FOR EVIDENCE OF POOR OPERATION AND/OR WEED GROWTH AND IF REQUIRED, TAKE REMEDIAL ACTION THREE-MONTHLY, 48 H AFTER LARGE STORMS IN FIRST SIX MONTHS: INSPECT SILT ACCUMULATION RATES AND ESTABLISH APPROPRIATE BRUSHING FREQUENCIES. MONITOR INSPECTION CHAMBERS ANNUALLY

FOR PERMEABLE PAVED AREAS WITHIN 1.5m OF BUILDING FOUNDATIONS OR 1.5 METRES OF THE SITE BOUNDARY, AN IMPERMEABLE MEMBRANE STRIP 1.5m WIDE SHOULD BE PROVIDED IE. TYPE B1 OR B2 DETAILS WILL APPLY

LOCALLY.

	INING					
	ISSUED FOR PLANNING				AO	
	ISSUED FOR PLANNING				AO	
ISSUE DATE DES	DESCRIPTION				BY	
Project Engineer: Peter O'Dwyer Project Director: Brian Mahony						
BM STAGE PLANNING						
BARRETT MAHONY Dublin Office: Sandwith House, 52-54 Lower Sandwith Street, Dublin 2, Ireland. Tel: (01) 677 3200 Fax: (01) 677 3164 BARRETT MAHONY Data office: Sth Floor, Mill House, 8 Mill Street, London SE1 2BA, United Kingdom Tel: (0044) 20 3750 3530 Consulting Engineers, Civil - Structural - Project Management.E-mail: bmce@bmce.ie Web: www.bmce.ie Image: Structural - Structural - Project Management.E-mail: bmce@bmce.ie Web: www.bmce.ie Image: Structural - Structural - Structural - Project Management.E-mail: bmce@bmce.ie Web: www.bmce.ie Image: Structural -						
PROJECT TITLE			BM PROJECT No.			
LDA WILTON SARSFIELD ROAD LRD 23.2				3.21	5	
REFERENCE SUITABILITY 23215-BMD-ZZ-ZZ-M2-C-DETAILS -			REVI	SION -		
DRAWING TITLE TYPICAL SUDS DETAILS PERMEABLE PAVING & GREEN ROOF						
DRAWING REFERENCE	-C-12300	STA	TUS	REVIS PL		