

(cx.2) TYPICAL PERMEABLE PAVING OUTLET DETAIL, APPLICABLE TO SYSTEMS 'B' & 'C.'

(NON-WOVEN GEOTEXTILE TO TABLE C.1 (*)

TYPICAL SECTION

SCALE @ A2: 1:20

IMPERMEABLE FLEXIBLE MEMBRANE

SEALED PIPE EXIT

SYSTEM 'C'

C3 GRASSCRETE

TYPICAL SECTION

SCALE @ A0: 1:10 SCALE @ A2: 1:20

DIAMETER INLET FROM THE – RAINWATER DOWNPIPE

IMPERMEABLE FLEXIBLE

WITH PAVING SUPPLIERS —

APPROVAL

MEMBRANE IN ACCORDANCE

RECOMMENDATIONS TO BMCE

FOR TYPICAL SUB GRADES, THE FOLLOWING GUIDELINE CAN BE USED FOR SUB-BASE

**THE SAND BLINDING LAYER IS INTENDED TO CREATE A UNIFORM SEATING FOR THE GRASSCRETE FORMERS AND TO PREVENT THE LOSS OF SOIL INTO THE SUB-BASE. IT IS NOT INTENDED TO BE A REGULATING LAYER

CBR 4% 150mm Thick

10mm AGGREGATE CONCRETE

CBR 2-4% 250mm - 200mm Thick CBR<2% 300mm + Thick

STANDARD EDGE DETAIL
EXPANSION JOINT AT MAX. 15m
CENTERS TO BE BITUMEN
IMPREGNATED FIBER BOARD

MIN 150mm THICK SUB-BASE*

RAINWATER HARVESTING

MIN 150mm OPTIONAL DRAINAGE BLANKET OF CLEAN CRUSHED STONE OR CONCRETE WITH NON-WOVEN GEO-TEXTILE TO FORMATION AND NEEDLE-PUNCHED GEO-TEXTILE COVER. LAID LEVEL FOR SUB-GRADE FILTRATION OR FOR

TYPICAL PERMEABLE PAVING ROOF RAINWATER PIPE INLET, APPLICABLE TO SYSTEMS 'A', 'B' & 'C.'

NOTE: PROVIDE A 150mm

PROTECTION SLAB OVER
THE DIFFUSER BOX UNDER

GEOTEXTILE SEALED AROUND PLASTIC

ALTERNATIVELY USE A 2 METRE LENGTH
OF 100Ø LAND DRAIN WITH A 150mm PEA
GRAVEL SURROUND WRAPPED IN

(*) CLAUSE & TABLE

- Ø150 OUTLET REFERENCES REFER TO BS

7533-PART 13

BOX TO FORM DIFFUSER.

GEOTEXTILE

STAINLESS STEEL

WIRE MESH ACROSS

THE FILTER CHAMBER

PAVING AS PER

DETAILS 'B1',

'B2', 'C1' & 'C2'

PERMEABLE PAVING TYPICAL DETAILS

Ø150 PERFORATED RIGID DRAIN

TO ENGINEER'S SPECIFICATION.

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(*) CLAUSE & TABLE

REFERENCES REFER TO BS

PERMEABLE

PAVING AS PER

'A2', 'B1', 'B2', 'C1'

PARKING AREAS.

FLUSH WITH PAVING

TYPICAL SECTION

SCALE @ A0: 1:10 SCALE @ A2: 1:20

PROPRIETARY

450x450 MINIMUM ■

FILTER UNIT

— 20mm SAND BLIND**

150mm GRASSCRETE

WITH 1No. LATER OF A252 BOTTOM - MESH (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

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

LESS FREQUENTLY USED PAVEMENTS

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)

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.

NOTE:
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.

MONITOR INSPECTION CHAMBERS ANNUALLY

Ø150 OUTLET

OUTLET PIPE OFFSET DISTANCE
'X' ABOVE THE INLET TO ACHIEVE

INTERCEPTION STORAGE IN THE

- PAVEMENT BUILDUP= 0.3 x A

GRANULAR LAYER)

FOR PERMEABLE PAVEMENT WITH

ATTENUATION STORAGE USE A

MANHOLE WITH A HYDROBRAKE

FLOW CONTROL DEVICE OR SIMILAR

WHERE A= PERMANENT AREA

(ALLOWS FOR 30% VOIDS IN THE





NOTES

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECT'S DRAWINGS.FIGURED DIMENSIONS ONLY (NOT SCALING) TO

CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES

BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY

BEFORE WORK PROCEEDS.