

READ IN CONJUNCTION WITH ALL ENGINEERS &
FIGURED DIMENSIONS ONLY (NOT SCALING) TO
CONFLICT OF INFORMATION EXISTS OR IF IN ANY
INFORMED IMMEDIATELY OF ANY DISCREPANCIES
IDS.
ED IN COLOUR FOR FULL CLARITY

80mm DP GPRP FAVOURS TO LANDSCAPE ARCHITECTS DETAIL

50mm LAYING COURSE TO TABLE A.2*

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

125mm HYDRAULICALLY BOUND COURSE GRADED AGGREGATE (POROUS NO FINES CONCRETE) WITH 10% BINDER IN CEMENT CONTENT - CLAUSE 6.3*

150mm COARSE GRADED AGGREGATE TYPE A/2 TO TABLE A.1* AND TABLE A.3*

150mm CL.6F IMF2 CAPPING LAYER (FOR CUR VALUES LESS THAN 5% CONSULT DESIGN ENGINEER)

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

SUBGRADE

80
50
125
150
150

TYPICAL CROSS SECTION

NOTE: FOR PAVED AREAS SUBJECT TO OCCASIONAL HEAVY LOADING e.g. EDGE OF ROAD PARKING BAY INCREASE THE HYDRAULICALLY BOUND AGGREGATE LAYER THICKNESS TO 200mm.

SCALE @ 1:10
SCALE @ 1:20

(*) CLAUSE & TABLE REFERENCES REFER TO BS 7533-PART 13

JOINTS FILLED WITH LAYING COURSE MATERIAL, TO TABLE A2 (*)

50mm LAYING COURSE TO TABLE A2*

UPPER GEOTEXTILE (NON-WOVEN GEOTEXTILE TO TABLE C1 *)

125mm HYDRAULICALLY BOUND COURSE (GRADED AGGREGATE (POSSEUM NO-FINES CONCRETE) WITH 175kg/m³ CEMENT CONTENT - CLAUSE 6.3 *)

150mm COARSE GRADED AGGREGATE TYPE 4/20 TO TABLE A1 & TABLE A3 (*)

150mm CL 6F 10F2 CAPPING LAYER FOR CBR VALUES LESS THAN 5% (CONSULT DESIGN ENGINEER)

LOWER GEOTEXTILE (NON-WOVEN GEOTEXTILE TO TABLE C1 *)

SUBGRADE

0150 PERFORATED RIGID LAND DRAIN TO ENGINEERS SPECIFICATION, SPACING OF DRAINS SUBJECT TO DESIGN

50mm

125mm

150mm

150mm

150mm

100mm

100mm

200mm

200mm

TYPICAL CROSS SECTION

NOTE: FOR PAVED AREAS SUBJECT TO OCCASIONAL HGV LOADING (e.g. EDGE OF ROAD PAVED AREAS) INCREASE THE HYDRAULICALLY BOUND AGGREGATE LAYER THICKNESS TO 200mm.

[*] CLAUSE & TABLE REFERENCES
REFER TO BS 7533-PART 13

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

JOINTS FILLED WITH LAYING COURSE MATERIAL, TO TABLE A.2 (*)

50mm LAYING COURSE TO TABLE A.2*

UPPER GEOTEXTILE (NON-WOVEN GEOTEXTILE TO TABLE C-11)

125mm HYDRAULICALLY BOUND COURSE GRADED AGGREGATE (POROUS NO-FINES CONCRETE) WITH 17% MINIMUM BINDER CONTENT - CLAUSE 6.3 (*)

150mm COARSE GRADED AGGREGATE TYPE 400 TO TABLE A1 (*) & TABLE A3 (*)

150mm CL# 6162 CAPPING LAYER STRIP 1.2M WIDE SHOULD BE PROVIDED (FOR CBV VALUES LESS THAN 5% CONSULT DESIGN ENGINEER)

IMPERMEABLE FLEXIBLE MEMBRANE IN ACCORDANCE WITH PAVING SUPPLIERS RECOMMENDATIONS TO BMA APPROVAL

SUBGRADE

10% PERFORATED RIGID LAND DRAIN TO ENGINEER'S SPECIFICATION. SPACING OF DRAINS SUBJECT TO DESIGN.

505

50

125

150

180

100

100

TYPICAL CROSS SECTION

NOTE: FOR PAVED AREAS SUBJECT TO OCCASIONAL HGV LOADING a 10% EDGE OF ROAD (EOR) DRAIN BAY INCREASE IN HYDRAULICALLY BOUND AGGREGATE LAYER THICKNESS TO 200mm.

(*) CLAUSE & TABLE REFERENCES REFER TO BS 7533-PART 13

SCALE @ 1/10
SCALE @ 1/20

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 ON PEROUS SURFACE FROM ADJACENT IMPERMEABLE AREAS AS THIS AREA IS MOST LIKELY TO COLLECT THE MOST SEDIMENT
STABILIZE AND MOISTEN CONTRIBUTING AND ADJACENT AREAS. REQUIREMENTS AS REQUIRED
REMOVAL OF WEEDS OR MANAGEMENT USING GLYPHOSATE APPLIED DIRECTLY INTO THE WEEDS BY AN APPLICATOR RATHER THAN SPRAYING. FREQUENCY - AS REQUIRED - ONCE PER YEAR OR LESS FREQUENTLY USED PAVEMENTS

REMEDIAL ACTIONS
 REMEDIATE ANY LANDSCAPING WHICH, THROUGH VEGETATION MAINTENANCE OR SOIL SLIP, HAS BEEN RAISED TO WITHIN 50mm OF 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

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.

TYPICAL SECTION

SCALE @ Ab: 1:10
SCALE @ A2: 1:20

JOINTS FILLED WITH LAYING COURSE MATERIAL TO TABLE A.2 (*)

80mm Dp. CBPP PAVING
LANDSCAPE ARCHITECT

50mm LAYING COURSE
A.2*

UPPER GEOTEXTILE
GEOTEXTILE TO TABLE A.1 (*) & TABLE A.3 (*)

350mm COURSE GRAVEL
AGGREGATE TYPE A.1 (*) & TABLE A.3 (*)

150mm CL. #1092 CEMENT
(FOR CURB VALUES) CONSULT DESIGN ENGINEER

LOWER GEOTEXTILE
GEOTEXTILE TO TABLE A.1 (*) & TABLE A.3 (*)

SUBGRADE

(*) CLAUSE 8 & TABLE A.1
REFERENCES ROAD
7533-PART 13

JUNCTIONS FILLED WITH LAYING COURSE MATERIAL TO TABLE A.2 (*)

LANDSCAPE ARCHITECT'S DETAIL

50mm LAYING COURSE TO TABLE A.2*

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

350mm COARSE GRADED AGGREGATE TYPE 420 TO TABLE A.1 (*) & TABLE A.3 (*)

150mm CLF HPF CURRING LAYER (FOR CBV VALUES LESS THAN 5% CONSULT DESIGN ENGINEER)

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

(*) CLAUSE 8 REFER TO B763-PART 15

SUBGRADE

0105 PERFORATED RIGID DRAIN TO ENGINEER'S SPECIFICATION. SPACING OF LAND DRAIN SUBJECT TO DESIGN.

TECHNICAL SECTION

SCALE @ A0 - 1:10

GRASSCREE®
WITH 1N6 LAYER OF A252 BOTTOM-
MESH (UNLESS NOTED OTHERWISE)

200

20

150

150

TROWEL
MARGIN

10mm AGGREGATE
CONCRETE

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

20mm SAND BLIND**

MIN 150mm THICK SUB-BASE*

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

TYPICAL SECTION

SCALE @ AD: 1:10
SCALE @ A2: 1:20

Ø100 / Ø150
CONCRETE INLET
FROM THE
RAINFALL
DOWNPIPE

FILTER CHAMBER COVER
FLUSH WITH PAVING

PROPRIETARY
FILTER UNIT

450mm MINIMUM

NOTE: PROVIDE A 150mm
LOCALISED CONCRETE
PROTECTION SLAB OVER
THE DIFFUSER BOX UNDER
PARKING AREAS.

PERMEABLE
PAVING AS PER
DETAILS 'A1',
'A2', 'B1', 'B2', 'C1'
& 'C2'

Ø150 OUTLET

STAINLESS STEEL
WIRE MESH ACROSS
THE FILTER CHAMBER

GEOTEXTILE SEALED AROUND PLASTIC
BOX TO FORM DIFFUSER.
ALTERNATIVELY USE A 2-METRE LENGTH
OF 1000 LLDPE DRAIN WITH A 150mm PEA
GRAVEL SURROUND WRAPPED IN
GEOTEXTILE

300mm GRADE

IMPERMEABLE FLEXIBLE
MEMBRANE IN ACCORDANCE
WITH PAVING SUPPLIER'S
RECOMMENDATIONS TO SPACE
APPROVAL

TYPICAL SECTION

SCALE @ A1: 1:10
SCALE @ A2: 1:20

(*) CLAUSE & TABLE
REFERENCES REFER TO BS
7533-PART 13

PERMEABLE PAVING AS PER DETAILS B1', B2', C1' & C2'

SYSTEM TYPE 'C', SEALED PIPE EXIT

INSPECTION CHAMBER B, 5.4' TYP.

Ø150 OUTLET PIPE

Ø150 OUTLET PIPE

OUTLET PIPE OFFSET DISTANCE 'X' ABOVE THE INLET TO ACHIEVE INTERCEPTION STORAGE IN THE PAVEMENT BUILDUP - 0.3 ≤ X ≤ A WHERE A = PERMANENT AREA (ALLOWS FOR 30% Voids IN THE GRANULAR LAYER)

7.5'

Ø150 PERFORATED RIGID DRAIN TO ENGINEER'S SPECIFICATION

SYSTEM 'B' NONWOVEN GEOTEXTILE TO TABLE C.1 (*)
SYSTEM 'C' IMPERMEABLE FLEXIBLE MEMBRANE


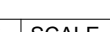
(*) CLAUSE & TABLE REFERENCES REFER TO BS 7633-PART 13

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

TYPICAL SECTION

NOTE:
FOR PERMEABLE PAVEMENT WITH ATTENUATION STORAGE USE A MANHOLE WITH A HYDROBRAKE FLOW CONTROL DEVICE OR SIMILAR

PERMEABLE PAVING TYPICAL DETAILS

P1		2003.24		ISSUED FOR COMMENTS		I.S.	
ISSUE		DATE		DESCRIPTION		DRN	
BRIDGE STAGE							
PRELIMINARY							
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CLIENT							
KK4 Ltd.							
PROJECT TITLE							
BIRD IN HAND, WEST END LANE NW6 4NX							
MODEL REFERENCE							
21770-BMCE-XX-XX-M3-S22-00001				(BMCE PROJECT NO.) 21770			
PROJECT PROJECTOR		SCALE		SHEET		SUITABILITY	
VB PP				SIZE		CODE	
				A1		S0	
DRAWING TITLE							
PERMEABLE PAVING STANDARD DETAILS							
DRAWING REFERENCE							
21770-BMCE-ZZ-ZZ-GF-DR-C-51201							
REV							
P1							