

PROVIDE REMOVABLE 600mm DEEP BAFFLE BOARD ON CENTRE OF CHAMBER IN SLOT AND BASE GMS FINIS BOLTED TO SIDE WALL USING GMS M12 THREADED BOLT, WASHER AND NUT, BOARD TO BE MAX 400mm FROM COVER LEVEL.

SEE TABLE FOR MANHOLE COVER, SIZE AND DUTY DETAILS - BED FRAME USING RESIN MORTAR ONLY

GENERAL SIZING OF CHAMBER (SEE PROJECT DRAWINGS FOR ACTUAL SIZES)

DEPTH	INT SIZE
< 1.0m	750Ø
1.0 - 1.5m	900Ø
> 1.5m	USE PCC SW CP DETAIL

PROVIDE 600mm LONG ROCKER PIPE WITH FLEXIBLE CONNECTION 150mm AND 750mm FROM FACE OF CHAMBER STRUCTURE

TWIN WALL PLASTIC PIPE AS POLYPIPE OR EQUAL APPROVED PRODUCTS TO BE CUT TO SUIT WITH PIPE HOLES DRILLED TO SUIT LEVELS REQUIRED WITH PIPE CAST AND SURROUNDED IN MIN 150mm THICK GEN1 CONCRETE.

LOCATION	FINISH	DUTY	COVER TYPE
EXTERNAL - BRICK & PCC	PAVED	FACTA B	600mm SQUARE RECESSED COVER AS SAINT GOBAIN STEELWAY BRIPAVE RANGE
EXTERNAL - PPIC	BLACKTOP	D400	450mm SQUARE SLIDE OUT COVER AS SAINT GOBAIN INTER-AX
INTERNAL	TILED/VINYL	FACTA B	900 x 600 COVER TO BE HOWE GREEN AIR AND WATER TIGHT AS 7500 SERIES.

1. ALL SIZES OF CLEAR OPENINGS SHOULD BE AT LEAST SIZE OF INSPECTION CHAMBER FOR 300Ø PPACs AND 450Ø PPICs.

2. FOR LARGER CONCRETE AND BRICK MANHOLE CHAMBERS MIN SIZE SHOULD BE 700 x 700 - REFER TO MH DATA BOX ON PROJECT DRAWINGS

DETAIL No. 6 - POLYPROPYLENE STORM WATER CATCHPIT (PP SWCP)

IMPORTANT NOTE:
PROVIDE 87.5° PVCu ACCESS TEE ON THE OUTLET AS OSMIA 4D193 or 6D193 WITH ACCESS AS 4D292 or 6D292

OUTLET LEVEL TO BE 50mm BELOW THE INLET AND BELOW WATER LEVEL.

PROVIDE 600mm LONG ROCKER PIPE WITH FLEXIBLE CONNECTION 150mm AND 750mm FROM FACE OF CHAMBER STRUCTURE

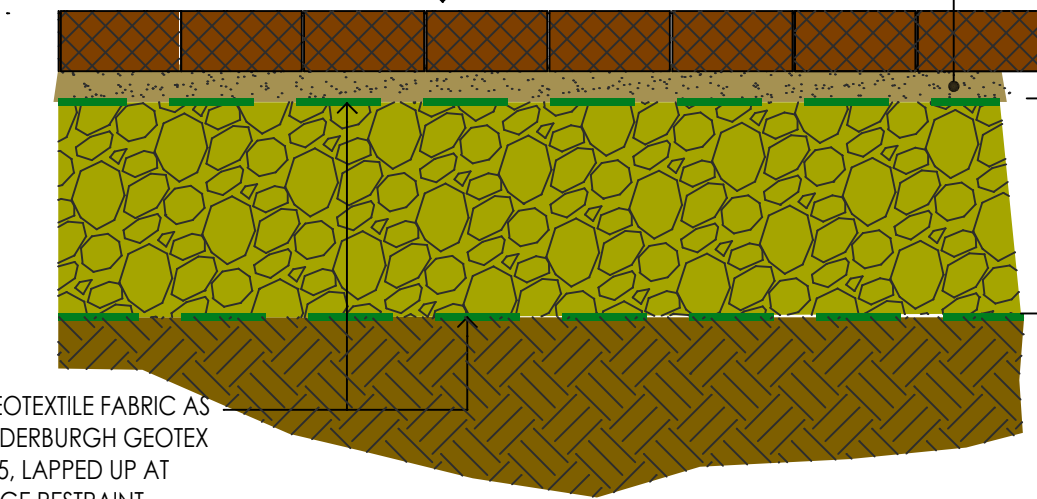
MAKE GOOD ALL HOLES AND JOINTS WITH HYDROPHILIC SEALANT.

DIPPED ACCESS TEE FOR WATER TRAP

MIN 150mm THICK ST2 CONCRETE SURROUND UPON A 200mm THICK ST2 CONCRETE BASE - SEE PROJECT DRAWINGS FOR SIZES

HANSON FORMPAVE SYSTEM OR MARSHALLS PRIORA PERMEABLE BLOCK SYSTEM.

50mm THICK OF 5mm REGULATING BEDDING LAYER COURSE



DETAIL No. 8 - PERMEABLE DRIVEWAY CONSTRUCTION

375mm THICK SIZE 40-60mm CLEAN CLINKER/CRUSHED GRAVEL/CRUSHED ROCK TO BS EN 13242 WITH ASSUMED FORMATION OF CBR 5%

INCREASE SUBBASE TO SUIT CBR FINDINGS - PROVIDE SDA CBR TEST RESULTS TO REVIEW DESIGN MAKE UP

WHERE REQUIRED TURN CHAMBER 45° TO SUIT LAYOUT DRAWING - ALWAYS CONNECT MAIN FLOW TO THE MAIN INLET - NEVER LEAVE MAIN INLET SPARE - BLANK OFF UNUSED SIDE BRANCHES

ENSURE ALL INLETS & OUTLETS ARE PROVIDED WITH ROCKER PIPES AND FLEXIBLE COUPLINGS

CHAMBER PLAN

SEALED COVER & FRAME ASSEMBLY TO BE MIN B125 LOAD CLASS DUTY

300Ø PLASTIC ACCESS CHAMBER BASE WITH SHAFT AS WYWIN HEPWORTH CODE REF 4D900 or 6D900 RANGE OF 10mm AND 150mm CHAMBER BASES OR EQUAL APPROVED PRODUCT WITH MAX DEPTH OF 600mm AND BRANCHES 50mm ABOVE MAIN CHANNEL

PPAC TO HAVE 100mm GEN1 CONCRETE BED AND HALF SURROUND AS SHOWN - NOTE ONLY TO BE USED IN PEDESTRIAN AND GARDEN AREAS

DETAIL No. 9 300Ø POLYPROPYLENE ACCESS CHAMBER (PPAC)

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This drawing should be read in conjunction with the design team's relevant documents, drawings & details.

Existing public & private utility services and drainage locations shown have been derived from non-intrusive survey techniques. Their location is not accurate and the contractor must satisfy himself using open excavation where the location of such plant and apparatus is critical in construction.

If the contractor has constructed from this drawing without necessary approvals from Local Planning Authorities, Building Control, Sewerage Undertakers, Environment Agency etc then any abortive work shall be at his own financial risk and not the responsibility of SDA.

If the contractor has constructed from this drawing whilst the drawing remains 'PRELIMINARY' status, then any abortive work shall be at his own financial risk and not the responsibility of SDA.

The contractor should NOT construct any works should there be any doubt with information shown from any of the source. ALWAYS USE GIVEN DIMENSIONS ONLY. ALWAYS ASK IF IN DOUBT.

ALWAYS PRINT THIS DRAWING IN COLOUR

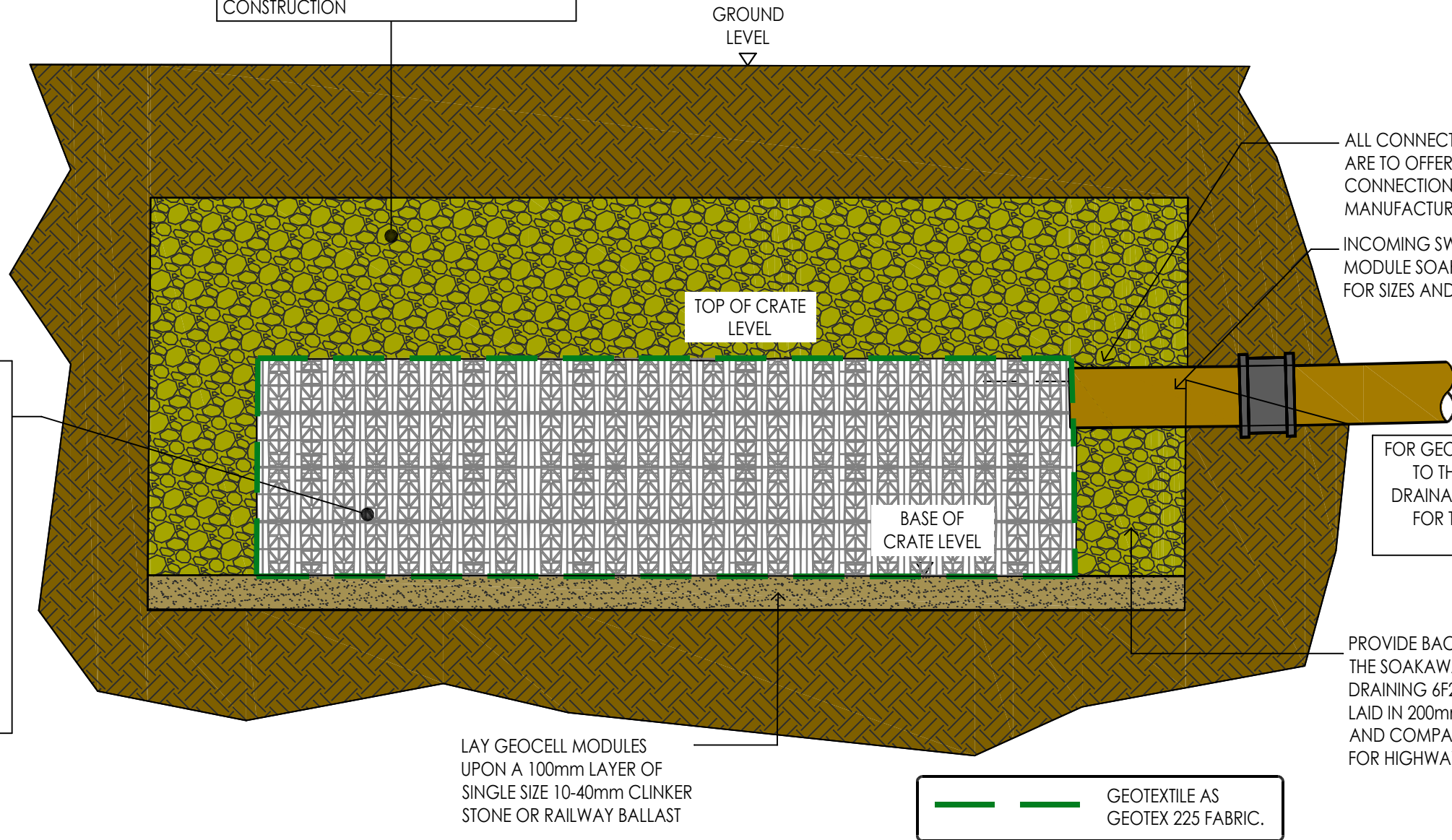
GEOCELL ATTENUATION TANK TO HAVE FOLLOWING DUTIES TO SUIT AREAS:-

PATIOS / GARDENS	200 KNM ²
LIGHT CAR PARKS	650 KNM ²
ROADS	900 KNM ²

TYPE: USE ALDERBURGH, WAVIN OR POLYPIPE UNITS WITH ACCESSIBLE MAIN CHANNEL THROUGHOUT TANK FOR JETTING CAPABILITY. REFER MAIN PROJECT DRAWING FOR DEPTH AND SIZE OF MODULES REQUIRED FOR PROVIDING THE REQUIRED STORAGE. ALL UNITS TO BE BEDDED ON MIN 200mm THICK 10-20mm REGULATING STONE LAYER AND SURROUNDED IN FREE DRAINING MATERIAL AND WRAPPED IN GEOMEMBRANE AND GEOTEXTILE AS KEY

FOR PATIO AND GARDEN AREAS - BACKFILL ABOVE ATTENUATION TANK IN LAYERS OF 200mm MIN USING SELECTED AS DUG MATERIAL.

FOR LIGHT CAR PARKS AND ROADS - BACKFILL ABOVE ATTENUATION TANK IN LAYERS OF 200mm MIN USING Dtp TYPE 1 MATERIAL UP TO THE CAR PARK OR ROAD CONSTRUCTION



LAY GEOCELL MODULES UPON A 100mm LAYER OF SINGLE SIZE 10-40mm CLINKER STONE OR RAILWAY BALLAST

GEOTEXTILE AS GEOTEX 225 FABRIC.

ALL CONNECTIONS TO THE SOAKAWAY ARE TO OFFER A PROPRIETARY CONNECTION MADE BY THE GEOCRATE MANUFACTURER.

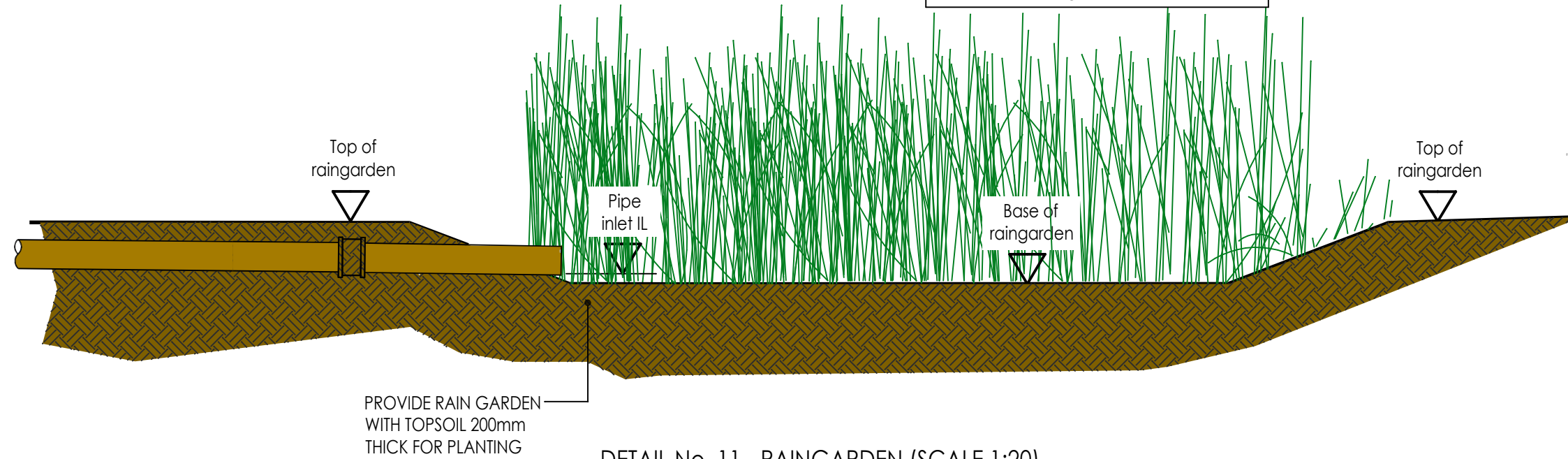
INCOMING SWD INTO GEOCELL MODULE SOAKAWAY - SEE MAIN PLAN FOR SIZES AND LEVELS

FOR GEOCRATE LEVELS REFER TO THE PROJECT MAIN DRAINAGE PLAN DATA BOX FOR THAT PARTICULAR SOAKAWAY

PROVIDE BACKFILL AND SIDEFILL TO THE SOAKAWAY USING FREE DRAINING 6/2 GRANULAR MATERIAL LAID IN 200mm THICKNESS LAYERS AND COMPACTED TO SPECIFICATION FOR HIGHWAY WORKS TABLE 6/2.

Planting species is suggested in table of the UK Raingarden guidance. Alternatively seek guidance from Landscaping Architect

The area of the Raingarden shall equal at least 20% of the contributing roof area but no less than 7.5 sq.m to offer the 100 year + 45% climate change event.



DETAIL No. 11 - RAINGARDEN (SCALE 1:20)

RWP INSTALLATION BY OTHERS. WHERE REQUIRED ADAPTOR COUPLINGS TO BE USED. PIPE TO HAVE ACCESS DOOR ON BOTTOM LENGTH.

PIPE SUPPORT TO BE STRICTLY TO MANUFACTURERS RECOMMENDATIONS

PROVIDE ACCESS ON BOTTOM LENGTH OF PIPE

PROPRIETARY PIPE ADAPTOR AT BASE FROM 100mm TO RAINWATER DOWNPIPE SIZE.

100mm SWD TO RUN IN CLASS 8 BED AS DETAIL No. 3

DRAIN INVERT LEVEL min 0.400m BELOW EXTERNAL GROUND LEVEL

100mm BEND WITH HEEL REST BEDDED AND HAUNCHED ON 100mm THICK GEN1 CONCRETE.

FOUNDATION ARRANGMENTS - REFER STRUCTURAL SERIES OF DRAWINGS

DETAIL No. 10 - EXTERNAL RAINWATER PIPE (RWP)

P1	PRELIMINARY ISSUE	26-09-24	SAD
Rev	Description	Date	Chkd

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Project	Sussex Business Centre Barnham
Drawing title	Drainage details sheet 2
Drawing status	PLANNING ISSUE

Project no	Scales	Drawing no	Rev
1859	A1 - 1:10 A3 - 1:20	201	P1