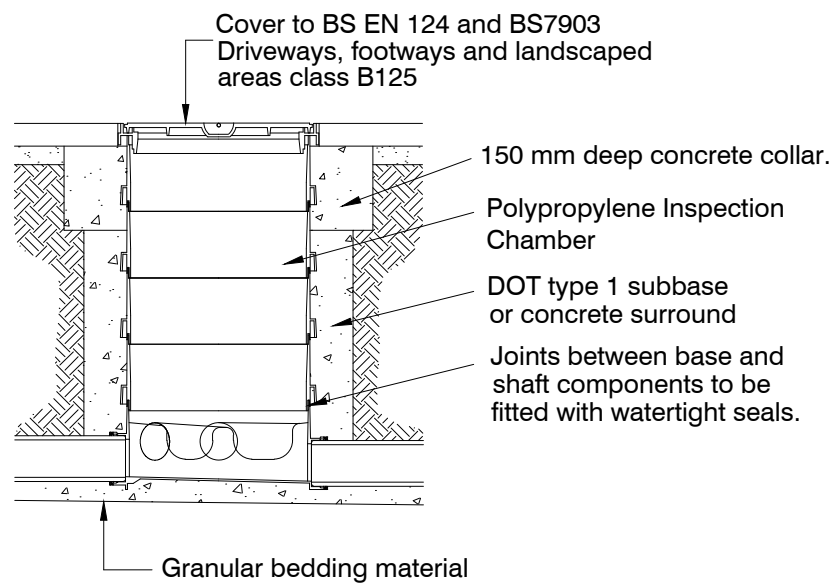
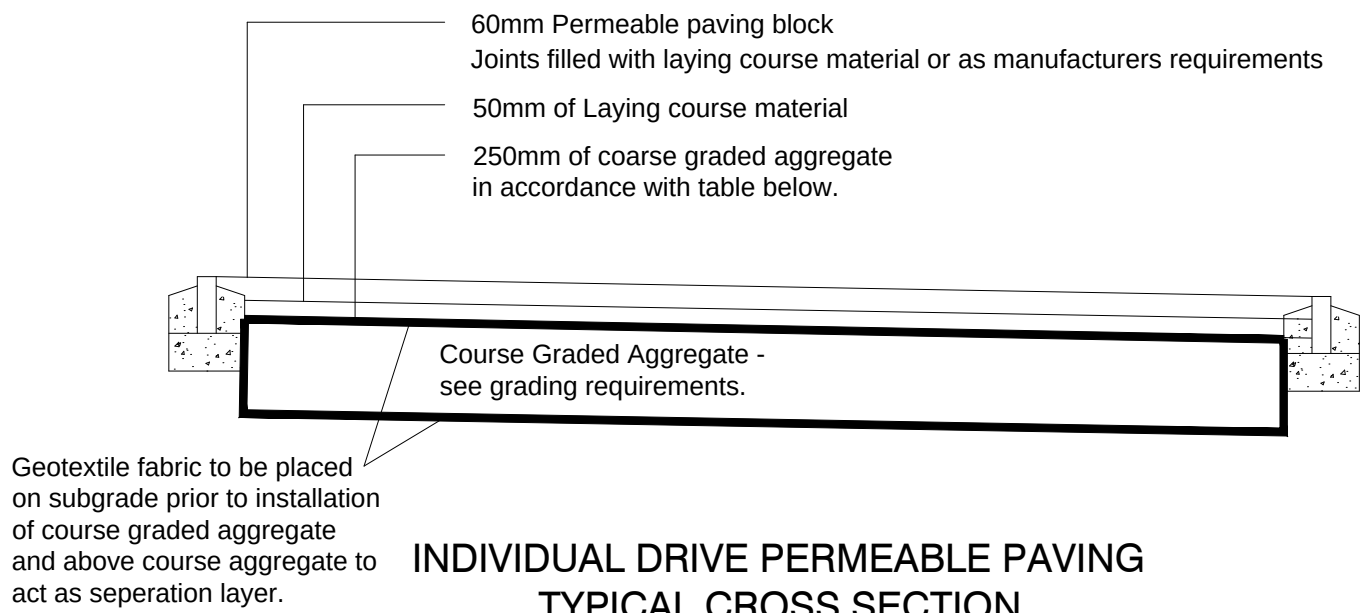


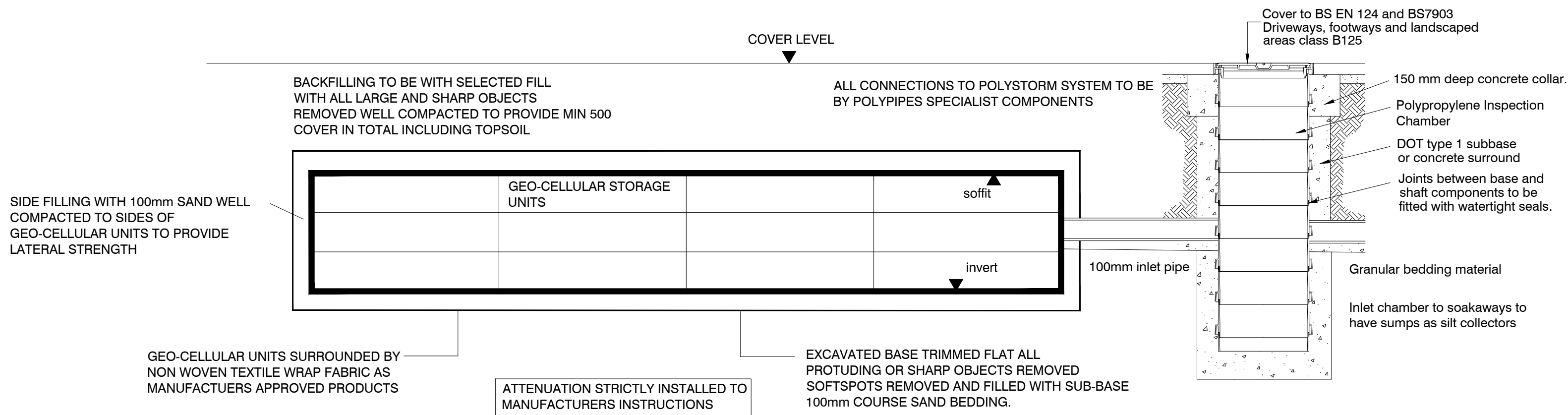


TYPICAL CHAMBER DETAIL



INDIVIDUAL DRIVE PERMEABLE PAVING TYPICAL CROSS SECTION WITH 250mm COURSE GRADED AGGREGATE

THE COURSE GRADED AGGREGATE MUST BE KEPT CLEAN AND FREE FROM MUD AND OTHER MATERIALS. INDIVIDUAL PRIVATE DRIVEWAYS SHOULD, THEREFORE, BE CONSTRUCTED AT THE END OF THE WORKS.

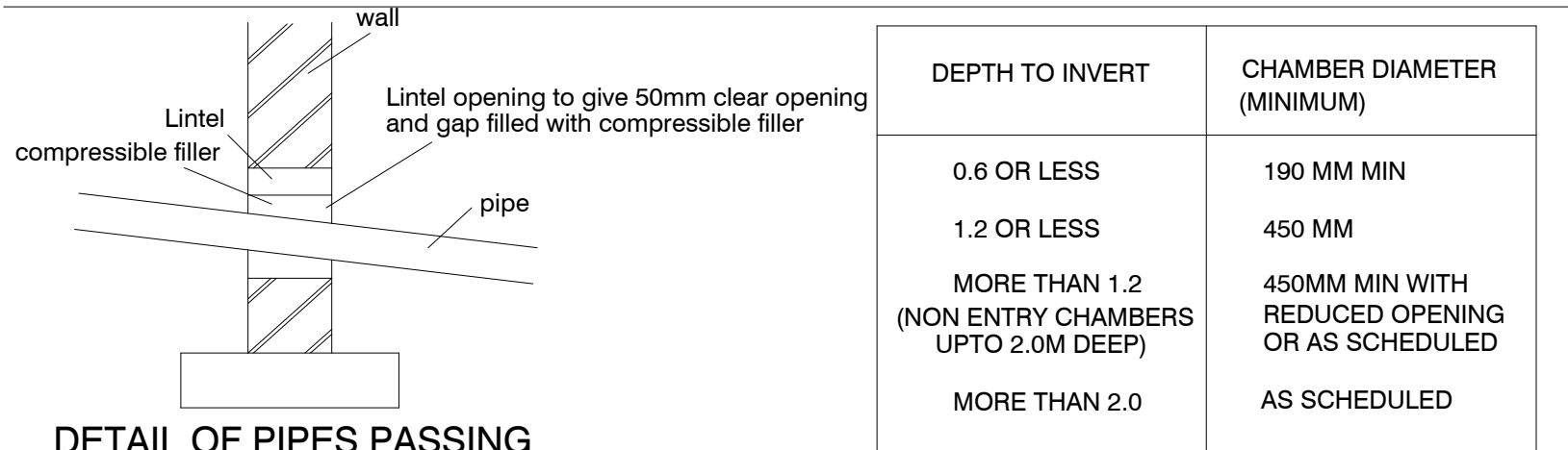


GEO-CELLULAR SOAKAWAY TYPICAL CROSS SECTION

SOAKAWAY	COVER LEVEL	INVERT LEVEL	SIZE
S/A 1	62.80m	61.20m	2 x 2 x 1m dp
S/A 2	62.40m	60.80m	2.5 x 2 x 1m dp
S/A 3	61.90m	60.30m	4 x 2 x 1m dp
S/A 4	61.60m	60.00m	4 x 2 x 1m dp
S/A 5	60.60m	59.00m	5 x 2 x 1m dp
S/A 6	59.70m	58.10m	4 x 2 x 1m dp
S/A 7	59.50m	57.90m	4 x 2 x 1m dp
S/A 8	59.20m	57.60m	3 x 2 x 1m dp
S/A 9	60.10m	58.70m	2 x 2 x 1m dp
S/A 10	60.70m	59.20m	2 x 2 x 1m dp
S/A 11	60.80m	59.20m	2 x 2 x 1m dp
S/A 12	61.50m	59.90m	4 x 2 x 1m dp
S/A 13	62.30m	60.70m	4 x 2 x 1m dp
S/A 14	62.70m	60.10m	4 x 2 x 1m dp

Cover level dependant on site conditions and should provide a minimum of 500mm of cover in gardens.

SOAKAWAY SCHEDULE



DETAIL OF PIPES PASSING BENEATH WALLS

DEPTH TO INVERT	CHAMBER DIAMETER (MINIMUM)
0.6 OR LESS	190 MM MIN
1.2 OR LESS	450 MM
MORE THAN 1.2 (NON ENTRY CHAMBERS UPTO 2.0M DEEP)	450MM MIN WITH REDUCED OPENING OR AS SCHEDULED
MORE THAN 2.0	AS SCHEDULED

INSPECTION CHAMBER SIZES

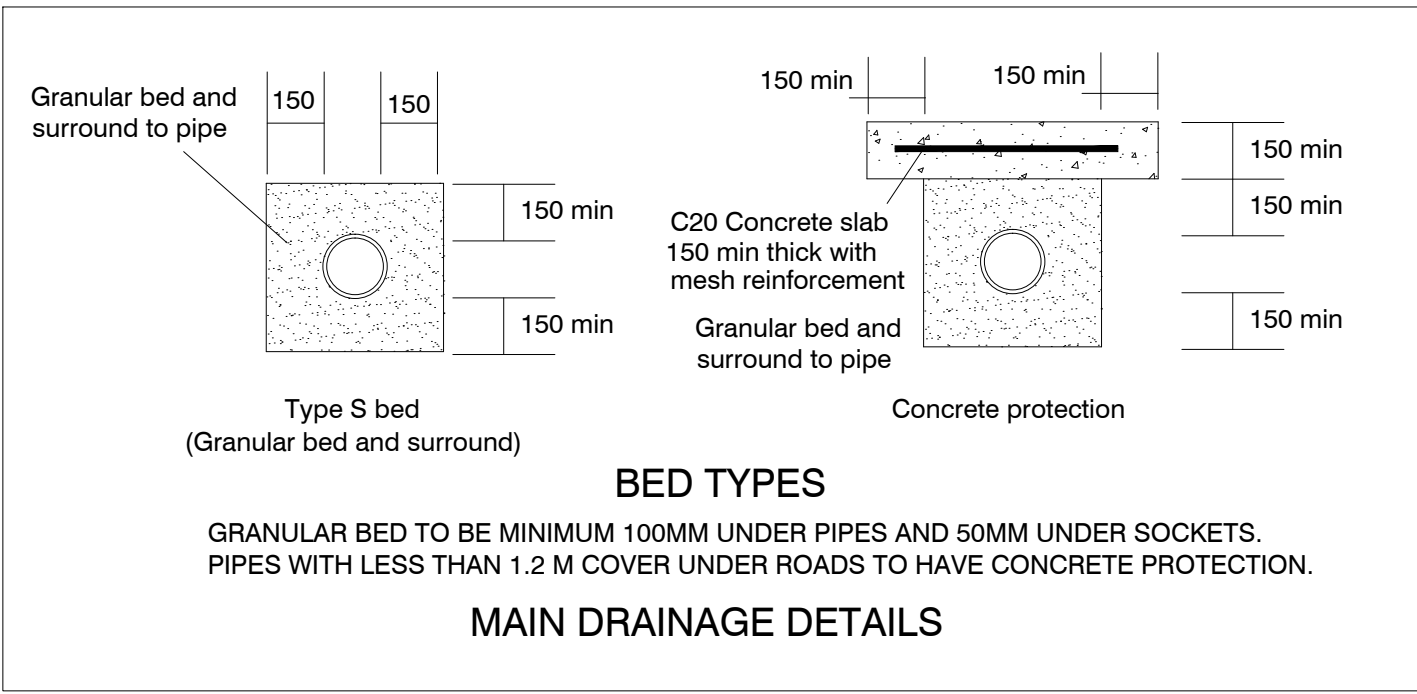
PRODUCT NAME	DIAMETER (mm)	MANUFACTURER	MATERIAL
SUPERSLEEVE	100 AND 150 ID	HEPWORTH	VITRIFIED CLAY
SUPERSEAL	100 AND150 ID	HEPWORTH	VITRIFIED CLAY
DENSLEAVE	100 AND 150 ID	NAYLOR	VITRIFIED CLAY
DENSEAL	100 AND 150 ID	NAYLOR	VITRIFIED CLAY
ULTRADRAIN	110 AND 160 OD	UPONOR	UPVC SOLID WALL
PLASTIDRAIN	100 AND 160 OD	HEPWORTH	UPVC SOLID WALL

NOTE : ALL PRIVATE DRAINAGE PIPE SIZES 100MM (OR 110MM) UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS ALL PIPES LAID TO MANUFACTURERS INSTRUCTIONS AND LAID ON SPECIFIED BED TYPE. OTHER PIPE AND COMBINATIONS MAY BE SUITABLE CONCETE PROTECTION UNDER ROADS WHERE COVER LESS THAN 1.2M.

ACCEPTABLE PIPE TYPES

MANUFACTURER	PRODUCT NAME	MATERIAL	MAXIMUM DEPTH	COVER TYPE
NAYLOR	PLASTIC INSPECTION CHAMBER	POLYPROPYLENE	1200MM	CLASS B125
HEPWORTH	PPIC	POLYPROPYLENE	1200MM	CLASS B125
UPONOR	INSPECTION CHAMBER (450 DIA)	POLYPROPYLENE	1200MM	CLASS B125
MARSHALLS	INSPECTION CHAMBER	PRECAST CONCRETE	1200MM	TO BS5911 PT2

DEMARICATION CHAMBERS LATERAL DRAINS AND DRAINAGE CHAMBERS TYPICAL PIPE AND CHAMBER DETAILS



BED TYPES

GRANULAR BED TO BE MINIMUM 100MM UNDER PIPES AND 50MM UNDER SOCKETS. PIPES WITH LESS THAN 1.2 M COVER UNDER ROADS TO HAVE CONCRETE PROTECTION.

MAIN DRAINAGE DETAILS

SCALE = 1:20 @ A1



CHARTERED CIVIL ENGINEER

HM Design
10 The Green
York
YO26 5LR

Telephone 07919 031289

Client
G AND F BUILDING RESTORATION LTD

Drawing Title
DRAINAGE DETAILS

Site Address
WHARNCLIFFE ARMS
FISH DAM LANE
CARLTON
BARNSELY

Surveyed	Processed	Drawn VHM	Checked VHM
Drg.No. YH374/HD/4C		Date 19/10/2015	