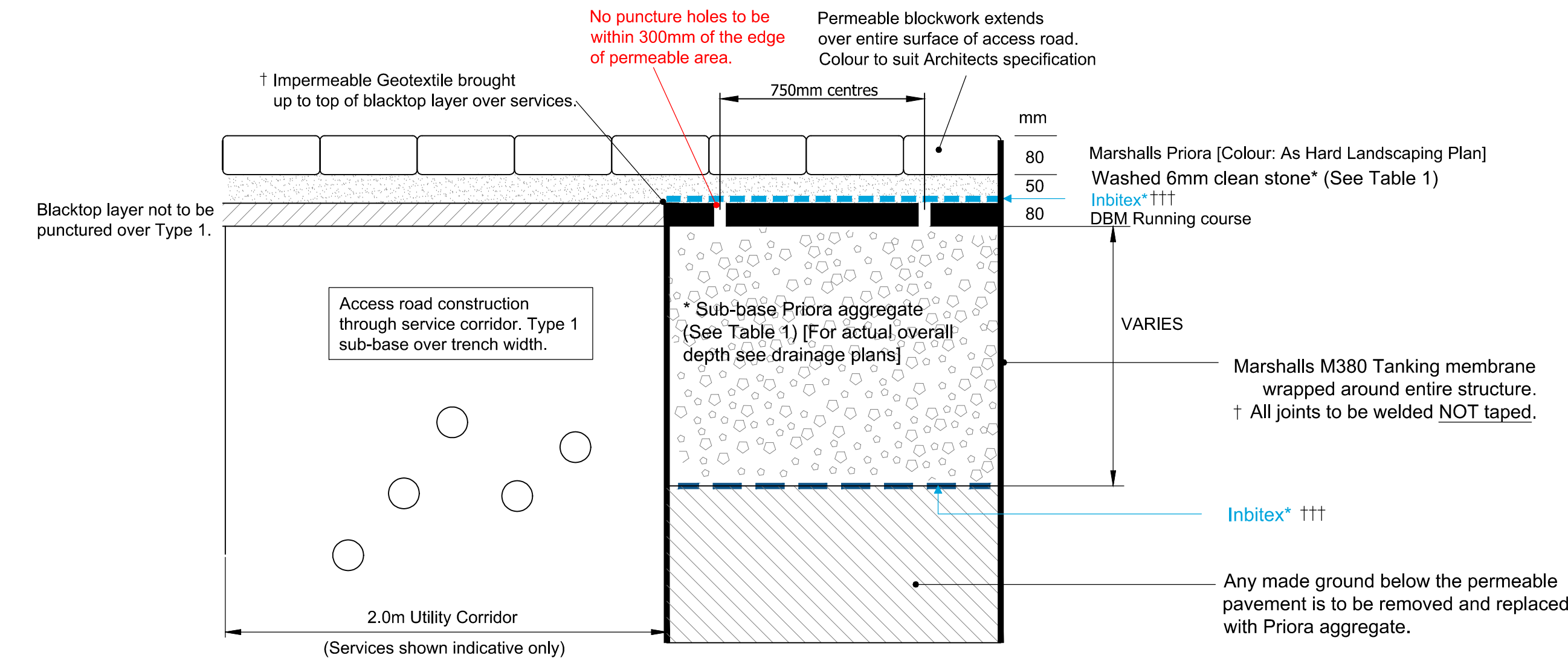


TYPICAL SECTION THROUGH ATTENUATION SYSTEM

STORMWATER SOURCE CONTROL SYSTEM

Typical Attenuation System with utility corridor



NOTES

- † Supplied by Marshalls
††† Supplied by Terram.

* Sound clean non-friable sub-base material, free from clay or any other deleterious material. Sub-base grading to BS EN 12620 as shown in Table 1 - must have a minimum 10% fines value of 150kN when tested in accordance with BS 812:Part 111:1990.

As CBR's <5% incorporation of subgrade improvement layers are required.

Soft spots should be excavated and filled with Type 1 prior to construction of main pavement.

Should an alternative material be proposed it is the responsibility of the originator of the alternative material to prove it's suitability.

Recommended BS EN 12620 aggregate grading (mm)	Sub-Base Material	Laying Course & Joint Filling Material
4/20	Gc80/20	Gc80/20
Recommended BS EN 12620 grading / tolerance category	GTc20/15	GTc20/15
Grading Details		
Sieve size (mm)	Percentage by mass passing ISO 565 sieve	
31.5	98 to 100	
20	90 to 99	
14		100
10	25 to 70	98 to 100
6.3		80 to 99
4	0 to 15	
3.15		
2.5	0 to 5	
2		0 to 20
1		0 to 5
0.063		0 to 2

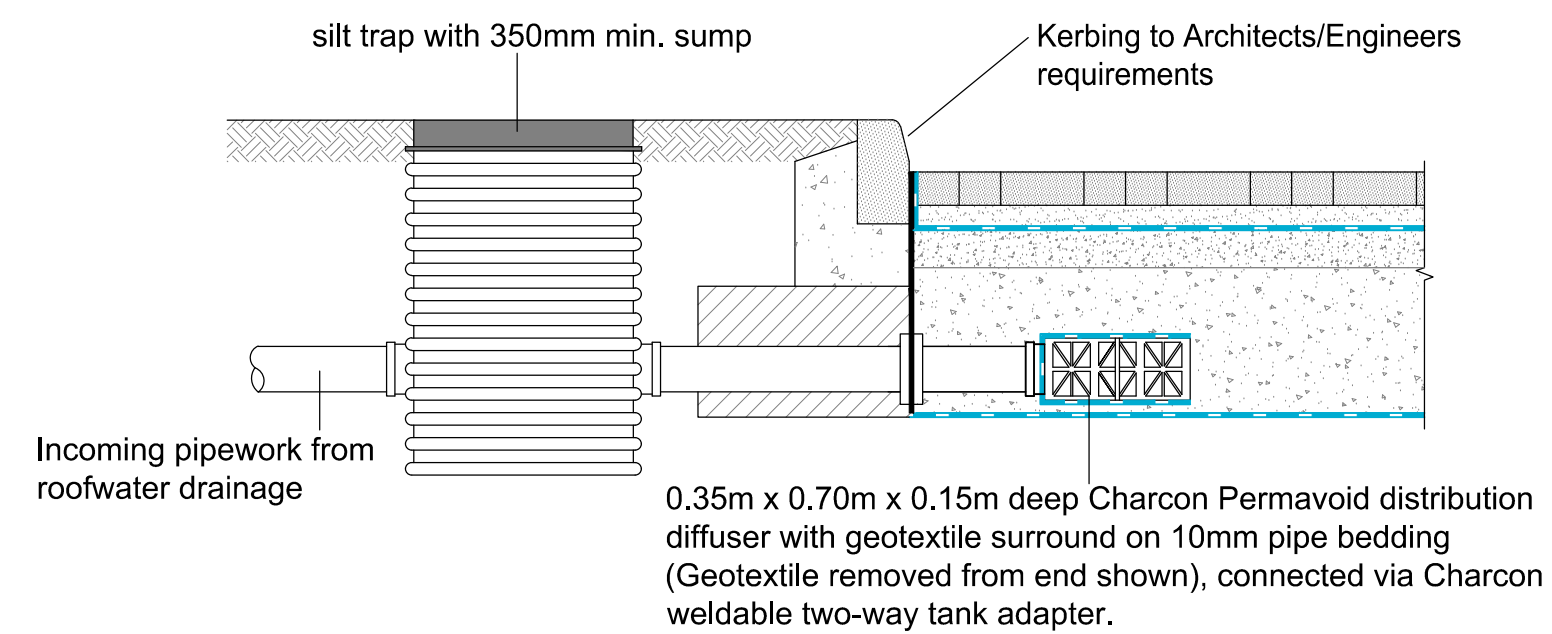
Table 1
Figures from BS EN12620

Temporary DBM Running Course to permeable pavement

To be 20mm dense binder course manufactured with 100/150 grade bitumen to BS4987. The DBM shall conform with the requirements of BS 4987.

Cut 50 diameter holes at 750mm centres through DBM surface into sub-base prior to applying permanent surface course.

No holes to be within 300mm of the edge of permeable area.



TYPICAL INLET DETAIL

Cover and frame. Grade of cover frames to be D400 within access road/carpark areas & B125 within landscape areas. Square cover frames to be fitted in block paved areas.

150mm x 150mm concrete plinth required in situations with a loading up to 3 tonnes.

150mm side fill as dug material with no partical size larger than 40mm.

100mm bed as per pipe bedding specification.

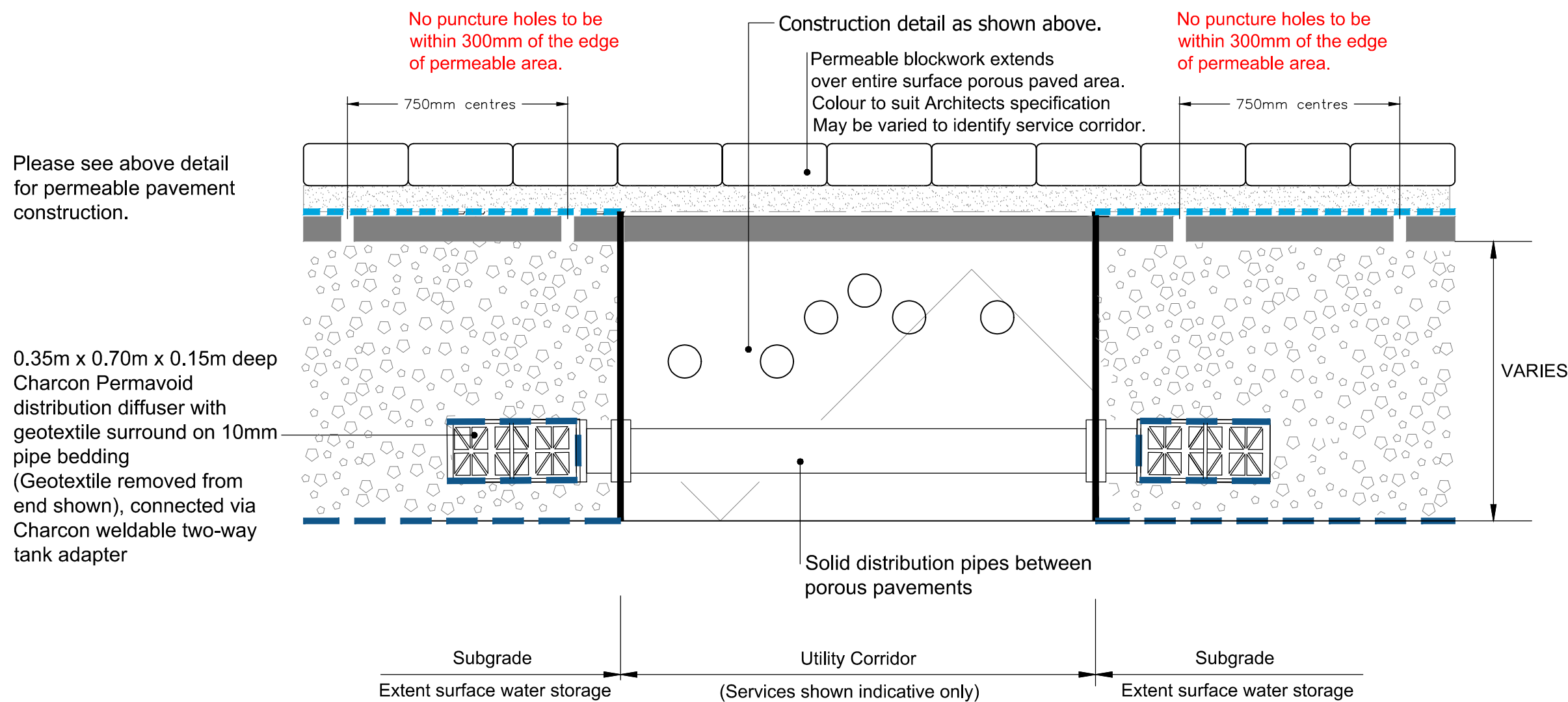
500ømm Wavin 6LB600 silt trap chamber. Installation to be in accordance with manufacturer's requirements and specification.

100mm bed as per pipe bedding specification.

500ø CATCH PIT CHAMBER

**PRELIMINARY
DRAWING**

PIPING SW THRO' SERVICE CORRIDOR NTS



Please see above detail for permeable pavement construction.

0.35m x 0.70m x 0.15m deep Charcon Permavoid distribution diffuser with geotextile surround on 10mm pipe bedding (Geotextile removed from end shown), connected via Charcon weldable two-way tank adapter

Construction detail as shown above.

Permeable blockwork extends over entire surface porous paved area. Colour to suit Architects specification. May be varied to identify service corridor.

Solid distribution pipes between porous pavements

Subgrade
Extent surface water storage
Utility Corridor
(Services shown indicative only)
Subgrade
Extent surface water storage

NOTES:
All dimensions must be checked on site and not scaled from this drawing.

Anglian Water Notes

All S.104 adoptable drainage shall conform to the design and construction guide for developers, Sewers for Adoption 6th Edition published by WRc plc and any AWSL additions & deletions current at the time of execution.

All covers and frames on adoptable AW sewers are to be D400, kitemarked and be badged 'FW' or 'SW' accordingly. Suppliers shall be Stanton, Paul Savage, Norinco or Wrekin.

Adoptable pipework shall be to the following specification:

Clayware: BS EN 295-1:1991
150 dia. Crushing Strength 34kN/m
225 dia. Class 160

Concrete: BS EN 5911-1:2002
>300 dia. Class 120

Date	Revisions
A	25-01-18 Permeable pavement detail amended.

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Job Title

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Drawing Title
Construction Details
Permeable Pavements & associated details
Sheet 5

Date	Scale @ A1	Drawn
Jan. 2018	NTS	IAC/TRS

Drg.No.	Rev.
8885 -305	A