

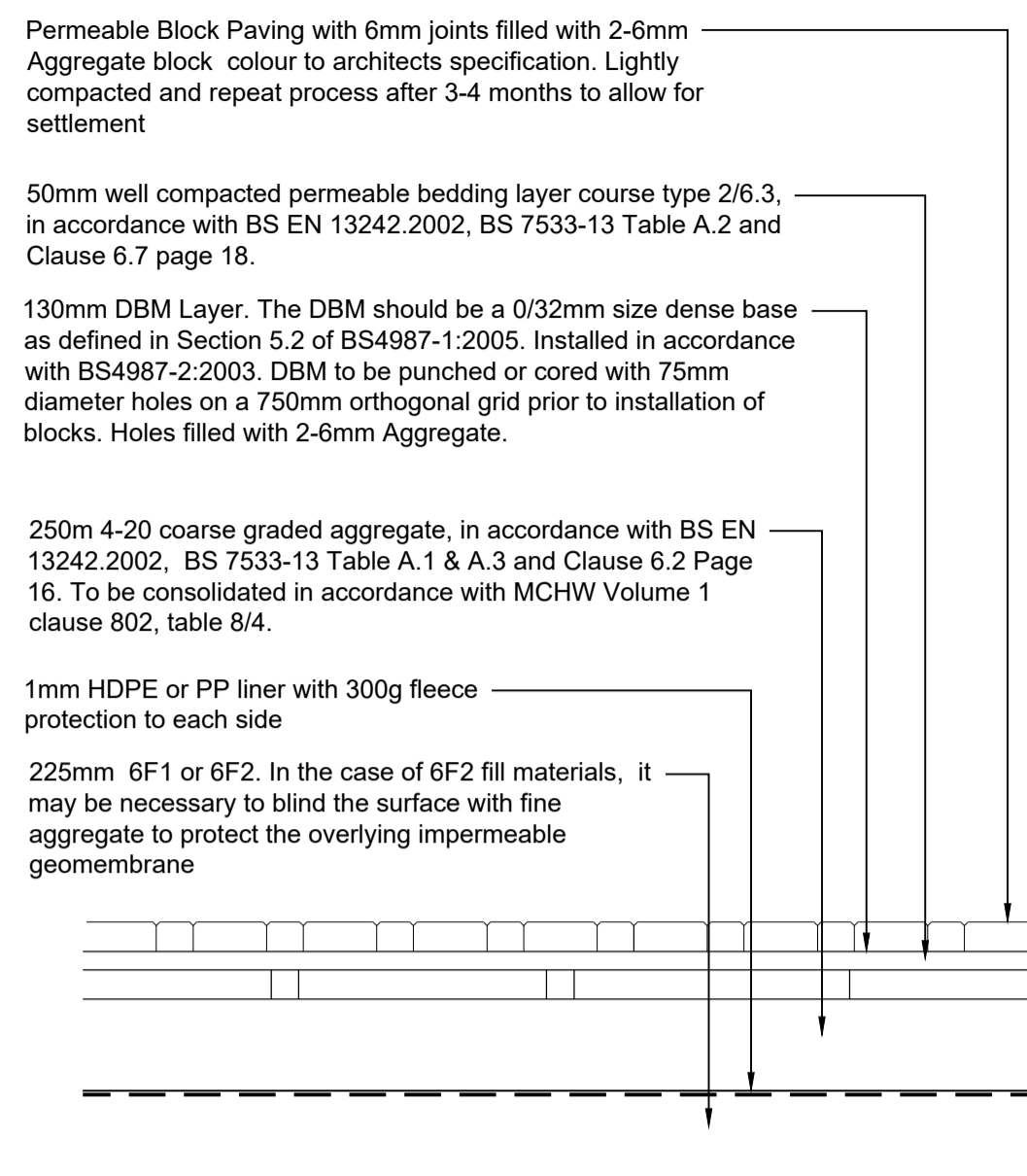
Plan on Cored Holes in DBM Layer

Scale 1:20

The DBM layer acts as a protection layer during construction. Prior to the installation of the permeable blocks, the DBM should be cored through with 75mm holes on a 750mm orthogonal grid and filled by laying course material immediately prior to laying the block paving, converting the DBM to permeable pavement.

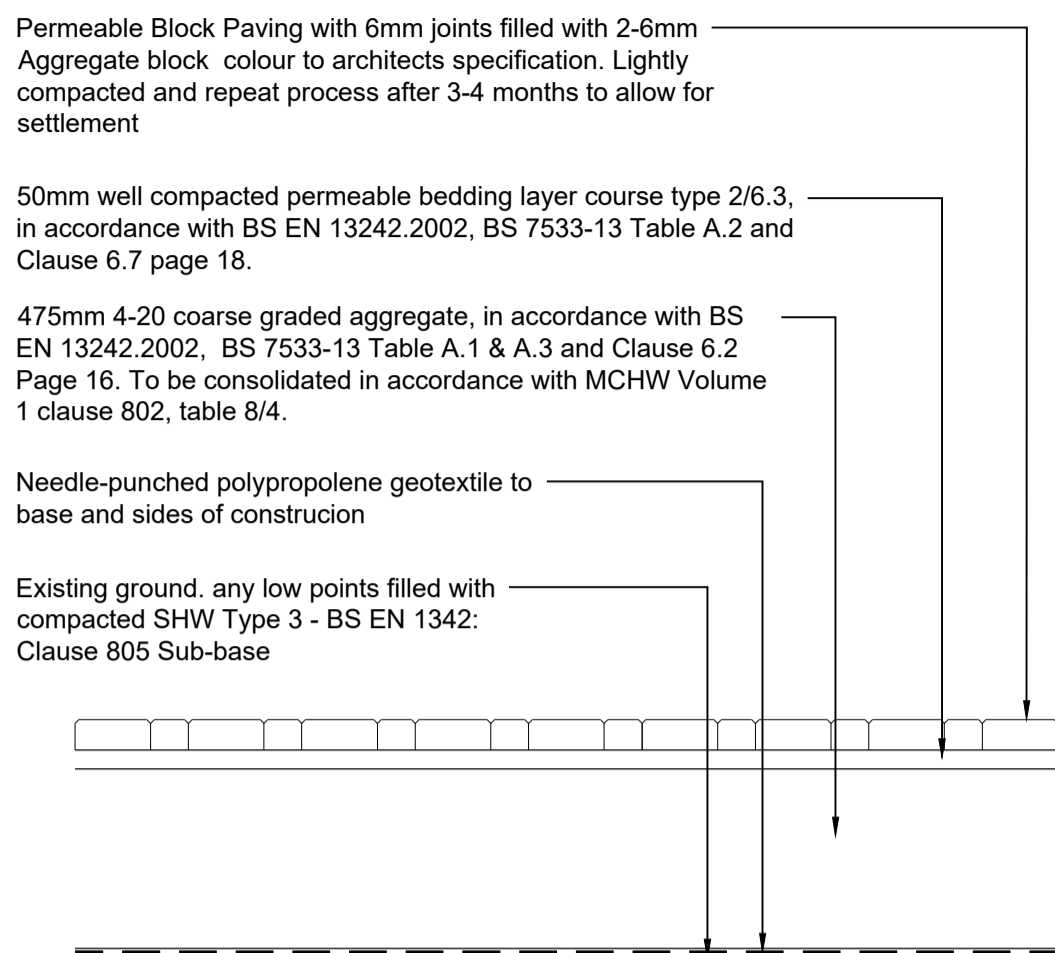
Table A.1. BS 7533-13:2009	
Sieve size (mm)	Percent passing %
	Coarse aggregate 4 - 20mm (4/20) (BS 7533-13:2009)
80	-
63	-
40	100
31.5	98-100
20	90-99
10	25-70
4	0-15
2	0-5
1	-

Table A.2. BS 7533-13:2009	
Sieve size (mm) (BS EN 993-1)	Percent passing %
	Laying course and jointing material grading
14	100
10	98-100
6.3	80-99
2.0	0-20
1.0	0-5



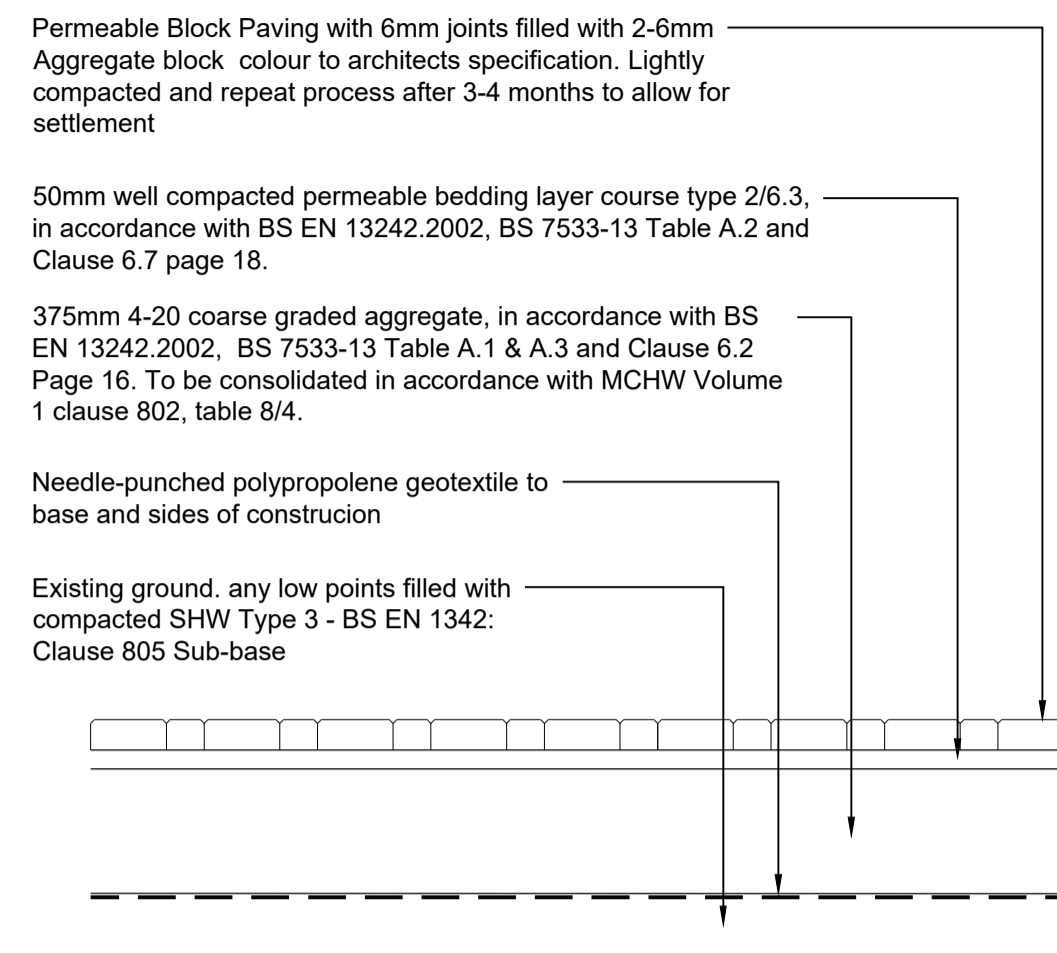
Permeable Block Paving with DBM Layer

Loading Category E (1.5msa)
Design CBR 3% (TBC)
Scale 1:20



Permeable Block Paving

Loading Category B (Emergency Access)
Design CBR 3% (TBC)
Scale 1:20

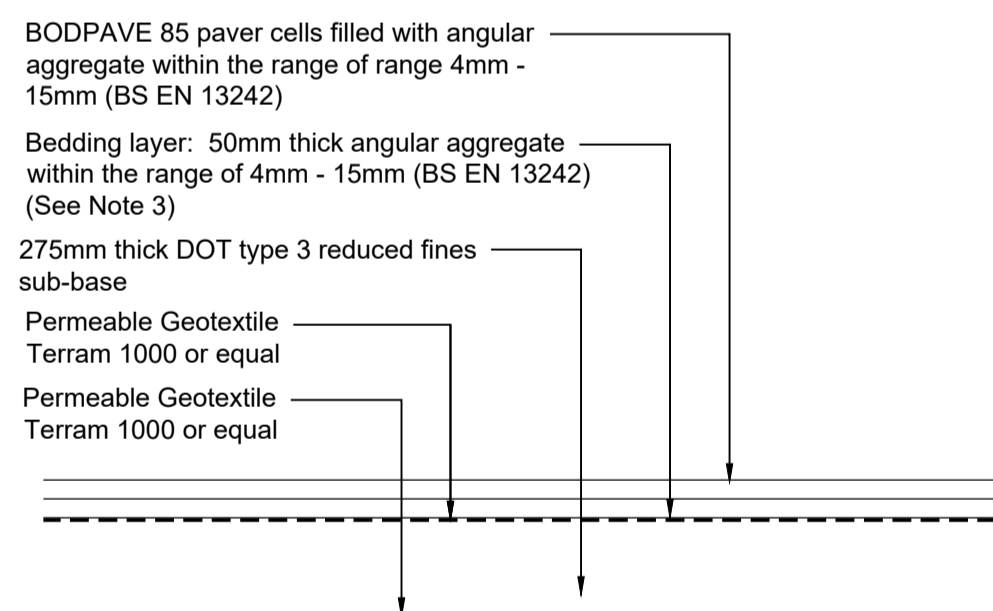


Permeable Block Paving

Loading Category A (Footpath)
Design CBR 3% (TBC)
Scale 1:20

Permeable Block Paving Notes:

- Installation to be in accordance with Interpave "Design & Construction of Concrete Block Permeable Paving"
- Advice to be sought from the paving block manufacturer on the exact laying and sub-base grading/ material suitable for their system.
- The sub-base aggregate shall comply with the requirements of BS 7533 -13:2009 Pavements constructed with Clay, natural stone or concrete pavers - Guide for the design of permeable pavements constructed with concrete paving blocks and flags, natural stone slabs and setts and clay pavers, as follows:-
 - The aggregate shall be a crushed Type 4/20 (4 mm minimum and 20 mm maximum particle size)
 - The voids ratio of the sub-base aggregate shall be at least 30%.
 - Aggregate Particle Shape: Preferably a hard crushed rock. The aggregate must have sufficient internal stability to perform both during installation and in the long term.
 - Physical properties shall comply with BS EN 13242: 2002 – Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction.
- The laying course and jointing aggregate shall comply with the requirements of a material of type 2/6.3 Gc 80/20 according to BS EN 13242: 2002. Aggregates for unbound and hydraulically bound materials for use in civil engineering works and road construction
- Where a permeable pavement is required to carry site or construction traffic prior to completion, consideration must be given to avoiding contamination of the sub-base. Measures should be taken to avoid this such as:
 - Consider the construction process during design and identify areas and routes for construction traffic that avoid the permeable sub-base areas.
 - Where this is not possible, construct the sub-base and then cover it with a sacrificial layer of geotextile and hardcore (100mm thick). This to be removed prior to the installation of the surface course.

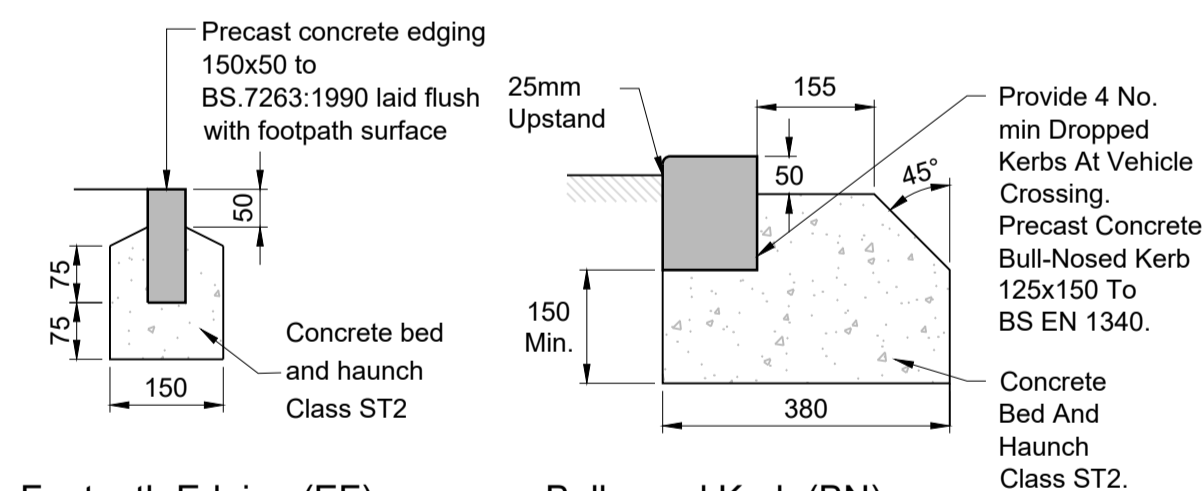


Gravel Paving Grid (Driveways)

Loading Category (Cars & Light Vans)
Design CBR 3% (TBC)
Scale 1:20

Gravel Paving Notes:

- Maximum sub-base particle size should match minimum sub-base thickness but not exceed 75mm diameter.
- Maximum advised gradient for traffic applications: 12% (1:8) 7°. BodPave®85 has specific pegging points if required for steep slope applications. Pegging is not necessary for standard access route applications.
- The selected gravel fill & bedding should be clean, free-draining, angular shaped material in the specified size range.
- BodPave®85 complies with BS8300:2009 - "Design of buildings and their approaches to meet the needs of disabled people" - Code of Practice. (ISBN 978 0 580 57419).
- To be read in conjunction with Terram Bodpave installation guide for Gravel

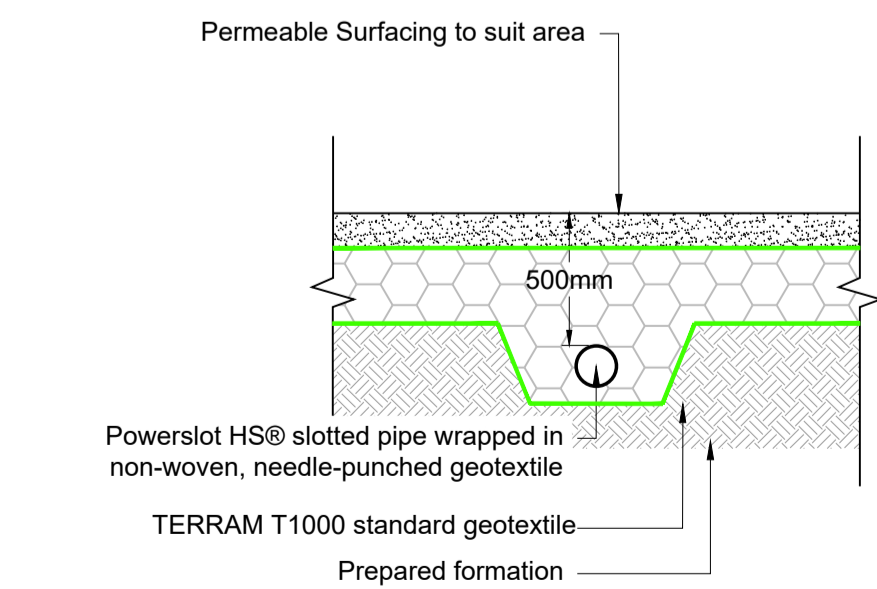


Footpath Edging (EF)

Scale 1:10

Bullnosed Kerb (BN)

Scale 1:10



Typical Section through Permeable Construction with Shallow Powerslot HS® pipe outfall

Scale 1:20

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FOR PLANNING

Rev	Date	Rev By	Chkd	Description
0	26-02-24	MJH		First Issue

Note General:

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Client

Herin Property Investments LLP

Project

Willisham Hall Barns
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Drawing Title

Private Road Details

Scale	U.N.O.	Date	Drawn By
As Noted (A1)		February 2024	MJH
Drawing No.	29478/011		Rev
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