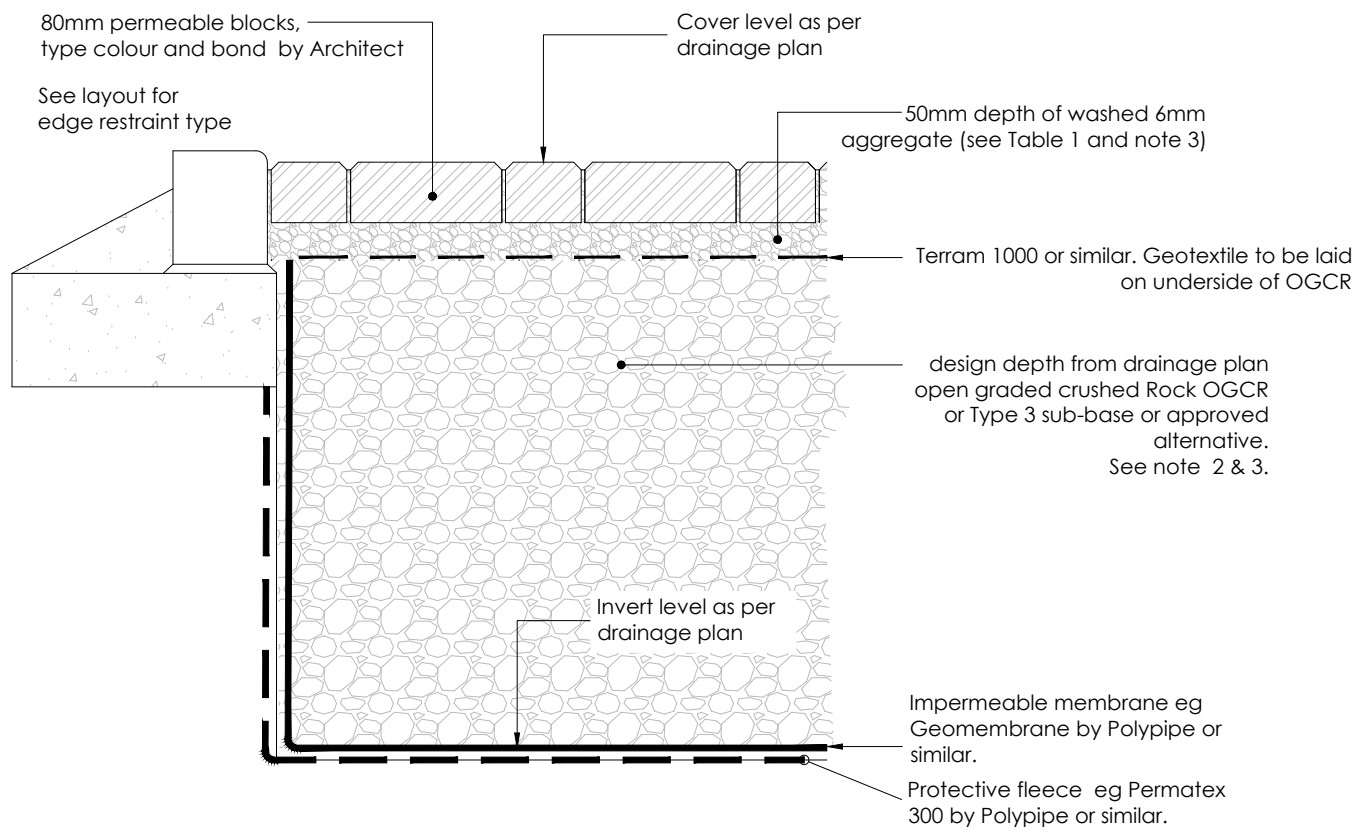




- Notes:**
- For CBR's of <5% incorporation of subgrade improvement layers are required.
 - Sound clean non friable sub-base material, free from clay or any other deleterious material. Sub-base grading to BS EN 13242:2002 as shown in Table 1 - must have a minimum 10% fines value of 150kN when tested in accordance with BS 812:Part: 111:1990.
 - Should an alternative material be proposed it is the responsibility of the originator of the alternative material to prove its suitability.
 - The pavement must be protected at all times during and after construction from any activity or material to prove its suitability.

Recommended BS EN 13242 aggregate mm	Sub Base Grading 10/20	Laying Course Grading 2/6.3
Recommended BS EN 13242 grading/tolerance category	Gc80/20 G1c20/15	Gc80/20 G1c20/15
Sieve size mm	Percentage by mass passing ISO 565 sieve	
31.5	98 to 100	100
20	80 to 99	100
14	20 to 70 (+/-15)	100
10	0 to 20	100
6.3	0 to 5	80 to 99
4	0	20 to 70 (+/-15)
2	0	0 to 20
3.15		
2.8		0 to 5

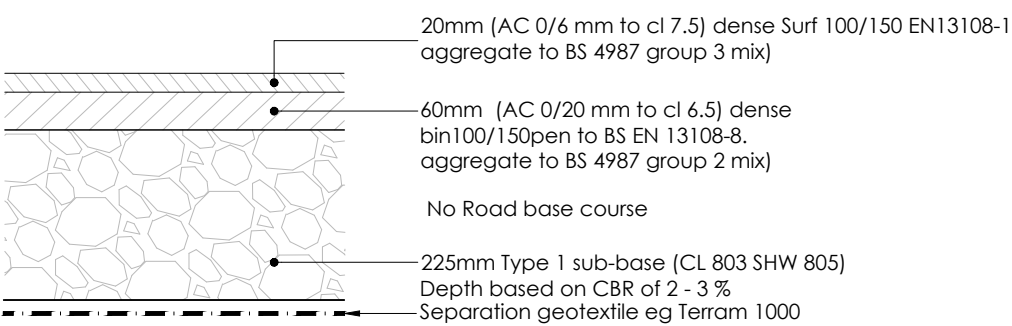
Table 1
(Figures from BS EN13242:2002)

Subgrade CBR (%)	Non-cohesive #F2 capping layer or open graded crushed rock course in addition to design depth
>5	0
5	0
4	0
3	0
2	150
1	Formation improvement required consultant engineer

Table 2
Subgrade Improvement Table for Low CBR values.
System storage capacity: 166 litres/m²

Note: This drawing to be read in conjunction with the appropriate British Standard or Marshalls installation Specification. For use with Marshalls products only.

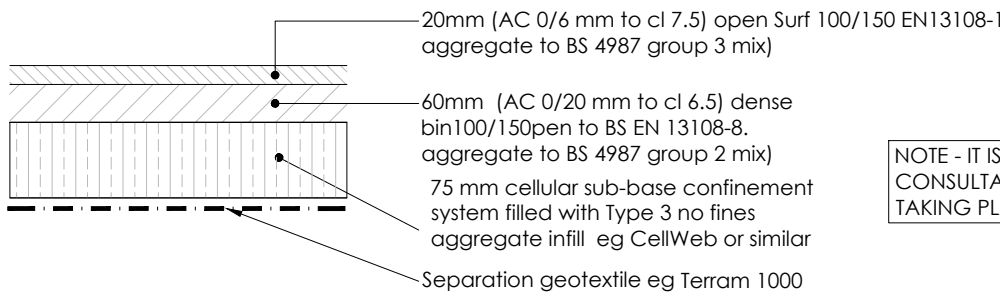
TANKED PERMEABLE PAVING USED FOR SURFACE WATER STORAGE



NOTE - WHERE LOWER CBR VALUES ARE ENCOUNTERED IT WILL BE NECESSARY TO UNDERTAKE FORMATION IMPROVEMENT BY REMOVAL OF SOFT MATERIAL, PROOF ROLLING, AND ROLLING IN CAPPING LAYER MATERIAL.

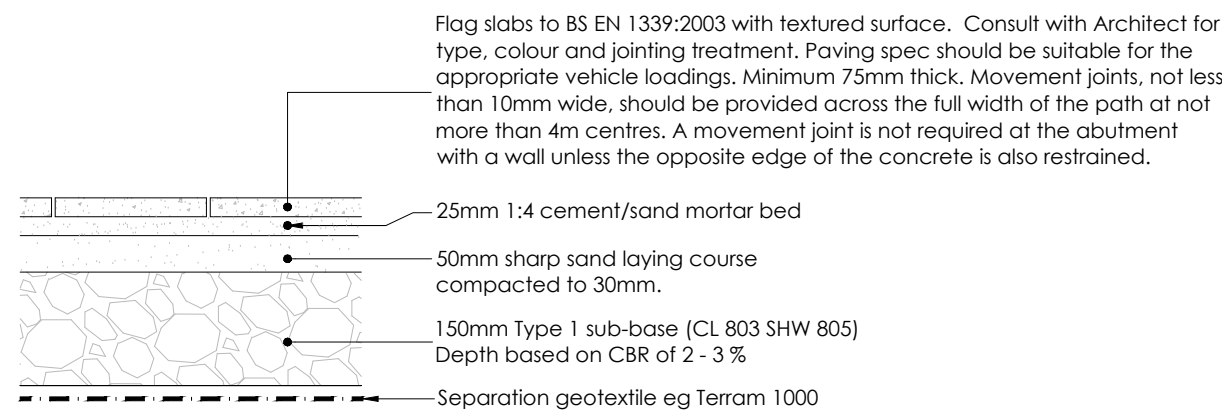
ASPHALT SURFACING FOOTPATH

Any roots over 25mm in diameter must not be cut unless approved by tree expert
The existing surface is to have a shallow 'scrape' to clear it of loose material and vegetation prior to overlaying with separation geotextile.
Long term deformation of surfacing materials can be expected as tree root systems grow.



NO-DIG FOOTPATH ASPHALT SURFACING

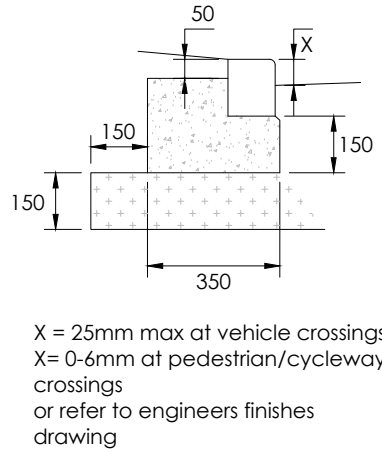
NOTE - IT IS RECOMMENDED THAT AN ARBORICULTURAL CONSULTANT IS CONSULTED PRIOR TO ANY WORKS TAKING PLACE IN TREE ROOT ZONE AREAS



NOTE - WHERE LOWER CBR VALUES ARE ENCOUNTERED IT WILL BE NECESSARY TO UNDERTAKE FORMATION IMPROVEMENT BY REMOVAL OF SOFT MATERIAL, PROOF ROLLING, AND ROLLING IN CAPPING LAYER MATERIAL.

SLABBED SURFACING FOOTPATH/PATIO

eg House Paths & Patios (NHBC Spec)

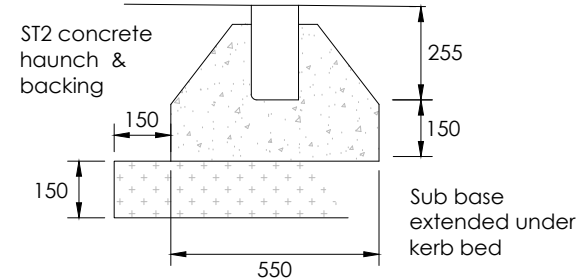


BN KERB

125x150 BN precast concrete kerb to BS EN 1340 : 2003 laid upside down & bedded on ST2 concrete bed and haunch whilst plastic

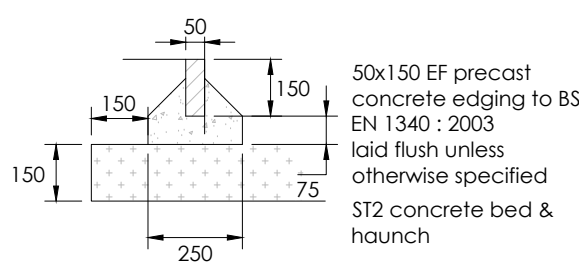
If kerb and backing is laid as two separate operations then ST2 concrete bedding and backing 150mm high 8mm Ø, steel reinforcing hoops set 100mm into base at 900mm centres if kerb and backing laid in two stages

125x255 BN precast concrete kerb to BS EN 1340 : 2003 laid upside down & bedded directly on ST2 concrete haunch whilst plastic. Note full depth kerb used to reduce potential for over run breakage.

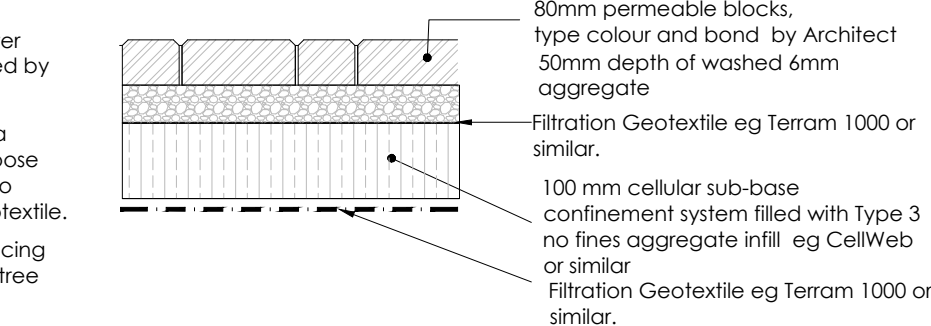


FLUSH BN KERB CONSTRUCTION

(used across entrance access at back of kerb and locations where mobility kerb crossover is required)

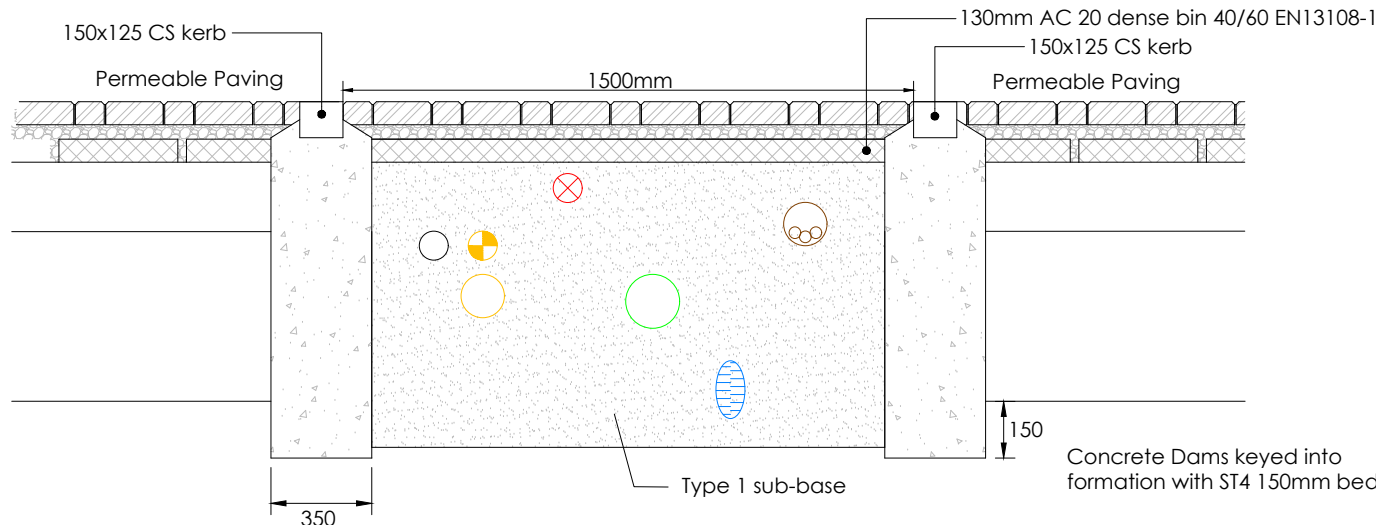


50x150 EF PATH EDGING



NO-DIG BLOCK SURFACING MEDIUM VEHICULAR LOADING

eg Private access road and occasional delivery vehicles



PAVED SERVICE TRENCH DETAIL

125x255 CS precast concrete kerb to BS EN 1340 : 2003 laid & bedded directly on ST4 concrete bed and haunch whilst plastic

NOTES

- All dimensions and levels are in metres unless otherwise noted
- This drawing is to be read in conjunction with the relevant Architect's/Engineer's drawings, specifications and CDM documentation
- This drawing has been produced electronically and may have been photo reduced or enlarged when copied. Work to figured dimensions only (DO NOT SCALE - EXCEPT FOR PLANNING PURPOSES). All dimensions to be checked on site. Any errors or omissions to be reported to the engineer immediately.
- This drawing contains coloured lines / information that may not be clear if reproduced in black and white.
- Digital copies of this plan can only be considered accurate if supplied directly by Infrastruct CS Ltd.

P05	BMK	AJG	Service Trench Added	12/12/24
P04	BMK	AJG	No-Dig Footpath detail added	07/11/24
P03	BMK	AJG	Permeable paving Subbase amended and no-dig details added	09/10/24
P02	BMK	AJG	Footway and Patio detail added	07/10/24
P01	BMK	AJG	Initial issue	16/07/24
REV	DRAWN	CHECK	REVISION COMMENTS	ISSUE DATE
DRAWING TITLE				SHEET NO.
Paving and Kerb details				1/1

PROJECT		CLIENT	
Land at Amethyst Lane Reading RG30 2EX		 	

SCALE @ A1		ENGINEER	
Not To Scale		AJG	
PROJECT NUMBER	STATUS	ISSUE PURPOSE	DRAFT
5725	S2	INFORMATION	NJ
APPROVED		RJV	
PROJECT	ORIGIN	PHASE	LEVEL
LAAL	ICS	01	XX
ROLE		NO. REVISION	
C		0402 P05	