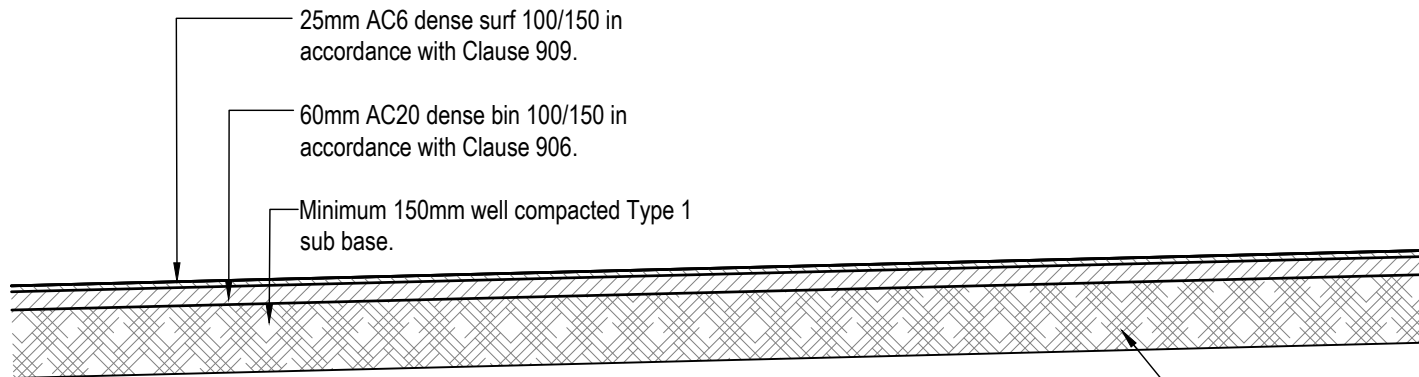
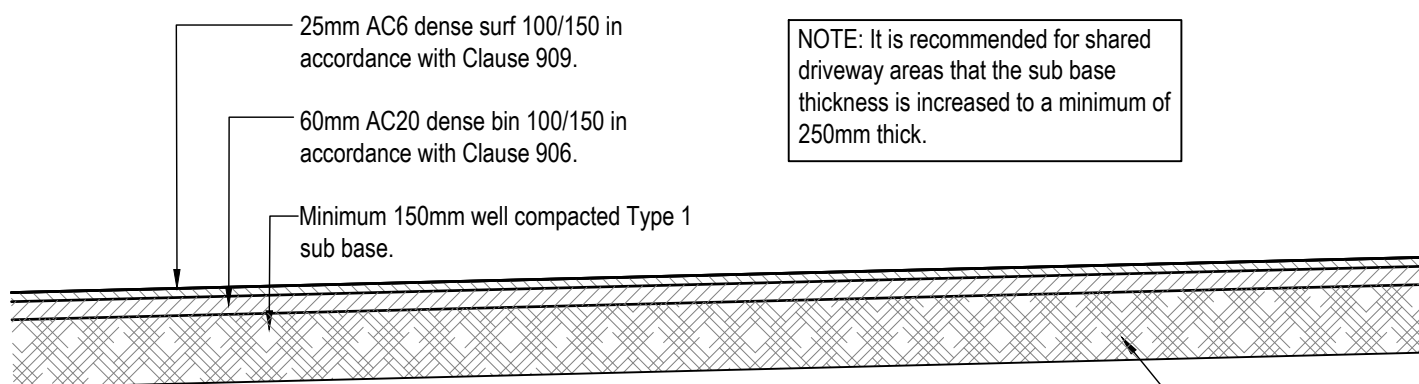




Minimum 150mm Type 1 Sub-Base based on a 5-7% CBR result. Refer to NHBC Standards Section 10.2 Table 3 for CBR results outside of this range.

TYPICAL SECTION THROUGH PRIVATE ASPHALT DRIVEWAY CONSTRUCTION

Scale 1:25

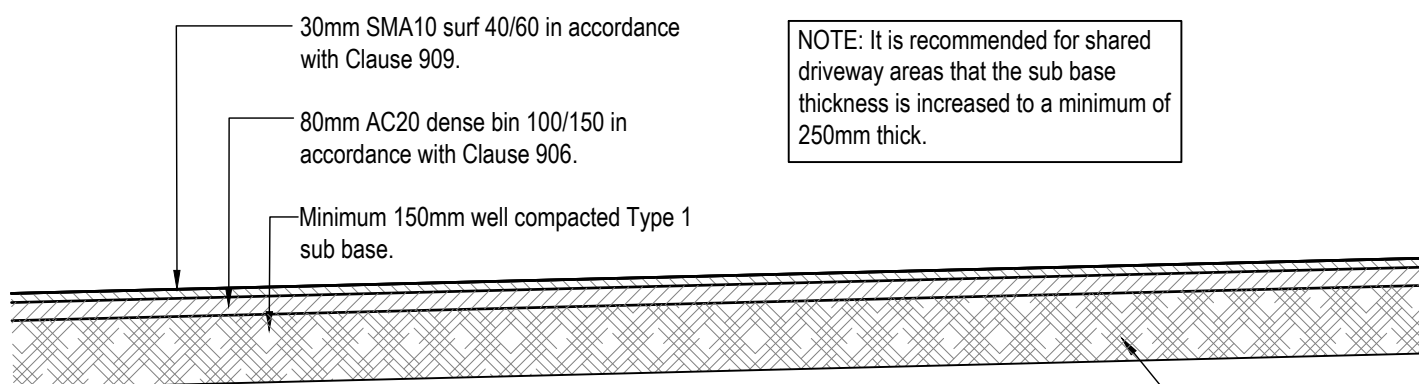


NOTE: It is recommended for shared driveway areas that the sub base thickness is increased to a minimum of 250mm thick.

Minimum 150mm Type 1 Sub-Base based on a 5-7% CBR result. Refer to NHBC Standards Section 10.2 Table 3 for CBR results outside of this range.

TYPICAL SECTION THROUGH PRIVATE ASPHALT SHARED DRIVEWAY CONSTRUCTION - PRIVATE CARS AND LIGHT VEHICLES

Scale 1:25

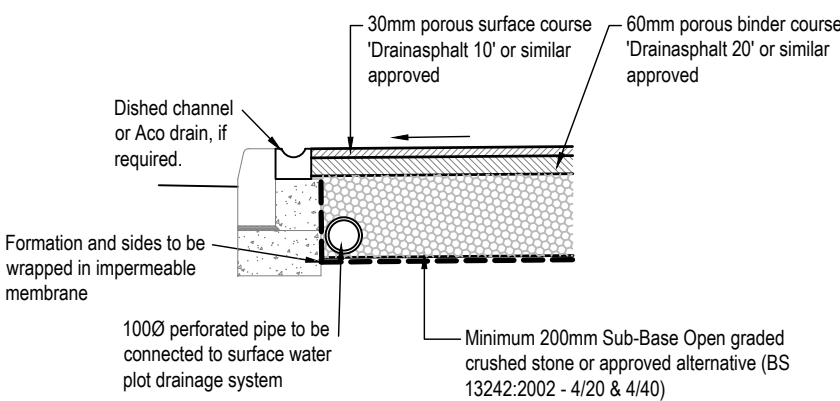


NOTE: It is recommended for shared driveway areas that the sub base thickness is increased to a minimum of 250mm thick.

Minimum 150mm Type 1 Sub-Base based on a 5-7% CBR result. Refer to NHBC Standards Section 10.2 Table 3 for CBR results outside of this range.

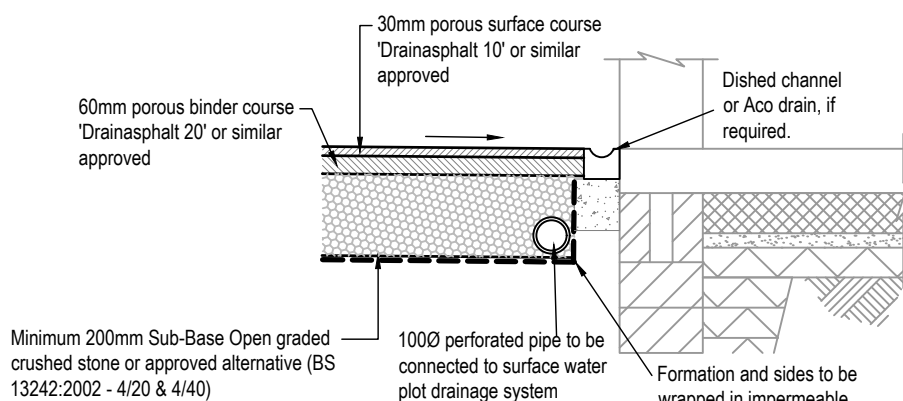
TYPICAL SECTION THROUGH PRIVATE ASPHALT SHARED DRIVEWAY CONSTRUCTION - INFREQUENT USE BY COMMERCIAL VEHICLES

Scale 1:25



PERMEABLE TARMAC CONSTRUCTION DETAIL (PRIVATE DRIVE FALLING TOWARDS HIGHWAY)

(1:25)



PERMEABLE TARMAC CONSTRUCTION DETAIL (PRIVATE DRIVE FALLING TOWARDS GARAGE/PLOT)

(1:25)

Construction – road type ⁽¹⁾		Bituminous mixtures (asphalt)	Concrete	Block pavers	Gravel
Sub-base	MCHW Volume 1 SHW Series 800 ⁽²⁾ Clause 803 Type 1 Unbound mixtures granular sub-base material Type 1 to table 8/2	Table 3	Table 3	Table 3	Table 3
Base (road base)	Asphalt concrete to BS EN 13108-1 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2	(6)	N/A	N/A	N/A
Binder course (basecourse)	Concrete designation (BS 8500-2:2015+A2:2019 table 6)	N/A	N/A	N/A	N/A
Surface course (wearing course)	Asphalt concrete to BS EN 13108-1 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2	80mm (AC 20 dense bin 100/150 des ⁽¹⁰⁾)	N/A	N/A	N/A
	Stone mastic asphalt to BS EN 13108-5 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2	30mm (SMA10 surf 40/60)	N/A	N/A	N/A
	Hot rolled asphalt to BS EN 13108-4 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2	40mm (HRA 55/10 surf 40/60 des)	N/A	N/A	N/A
	Concrete designation (BS 8500-2:2015+A2:2019 table 6)	N/A	150 grade PAV2	N/A	N/A
Bedding course	Sharp sand to BS 7533-3 category II of annex D	N/A	N/A	50mm	N/A
Pavers	Block pavers to BS EN 1338 of Class 2 weathering resistance and Class 3 abrasion, as well as being of low potential for slip (Ref: Table NA.2 of BS EN 1338) ⁽⁷⁾	N/A	N/A	80mm	N/A

NHBC CHAPTER 10:2 TABLE 2C - SHARED DRIVEWAYS HAVING INFREQUENT USE BY COMMERCIAL VEHICLES

Construction - road type ⁽¹⁾		Bituminous Mixtures (asphalt)	Concrete	Block pavers	Gravel
Sub-base	MCHW Volume 1 SHW Series 800 ⁽²⁾ Clause 803 Type 1 Unbound mixtures granular sub-base material Type 1 to table 8/2	Table 3	Table 3	Table 3	Table 3
Base (road base)	Asphalt concrete to BS EN 13108-1 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2	N/A	N/A	N/A	N/A
Binder course (base course)	Concrete designation (BS 8500-2:2015+A1:2019 table 6)	N/A	N/A	N/A	N/A
Surface course (wearing course)	Asphalt concrete to BS EN 13108-1 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2	60mm (AC 20 dense bin 100/150 des)	N/A	N/A	N/A
	Hot rolled asphalt to BS EN 13108-4 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2	N/A	N/A	N/A	N/A
	Stone mastic asphalt to BS EN 13108-5 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2	25mm (SMA 6 surf 40/60)	N/A	N/A	N/A
	Concrete designation (BS 8500-2:2015+A1:2019 table 6)	N/A	100 grade PAV1	N/A	N/A
Bedding course	Sharp sand to BS 7533-3 category II of annex D	N/A	N/A	50mm	N/A
Pavers	Block pavers to BS EN 1338 of Class 2 weathering resistance and Class 3 abrasion, as well as being of low potential for slip (Ref: Table NA.2 of BS EN 1338) ⁽⁷⁾	N/A	N/A	50mm	N/A

NHBC CHAPTER 10:2 TABLE 2D - PRIVATE DRIVEWAYS AND PARKING AREAS HAVING USE BY PRIVATE CARS AND LIGHT VEHICLES

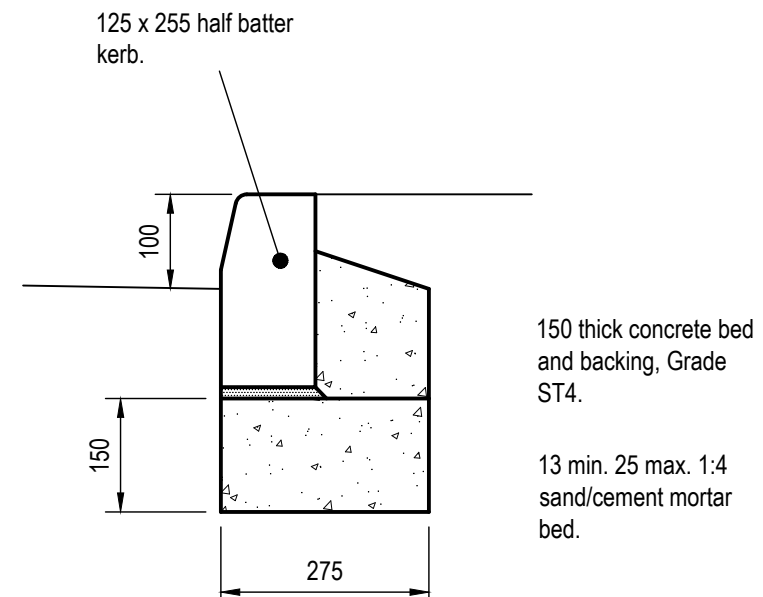
CBR values	Minimum thickness (mm) of sub-base ⁽⁶⁾ (consolidated in accordance with MCHW Volume 1 clause 801, table 8/4)
Less than 2%	Subgrade requires improvement ⁽⁷⁾
2-3%	325
3-5%	250
5-7%	150
7-20%	100

NHBC CHAPTER 10:2 TABLE 3 - MINIMUM SUB BASE THICKNESS

PERMEABLE PAVEMENT OPERATION AND MAINTENANCE REQUIREMENTS

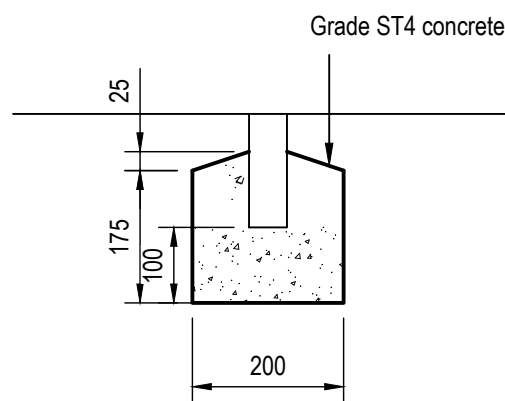
Maintenance schedule	Required action	Maintenance frequency
Regular maintenance	Brushing and vacuuming.	Three times/year at end of winter, mid-summer, after autumn leaf fall, or as required based on site-specific observations of clogging or manufacturers recommendations.
Occasional maintenance	Stabilise and mow contributing and adjacent areas.	As required.
	Removal of weed.	As required.
Remedial actions	Remediate any landscaping which, through vegetation maintenance or soil slip, has been raised to within 50mm of the level of the paving.	As required.
	Remedial work to any depressions, rutting and cracked or broken blocks considered detrimental to the structural performance or a hazard to users.	As required.
	Rehabilitation of surface and upper sub-structure.	As required (if infiltration is reduced as a result of significant clogging).
	Regritting block paving	Annually.
Monitoring	Initial inspection.	Monthly for 3 months after installation.
	Inspected for evidence of poor operation and/or weed growth. If required take remedial action.	3-monthly, 48h after long storms.
	Inspect silt accumulation rates and establish appropriate brushing frequencies.	Annually.
	Monitoring inspection chambers.	Annually.

NOTE: All permeable paving to be installed and maintained strictly in accordance with manufacturers details and recommendations.



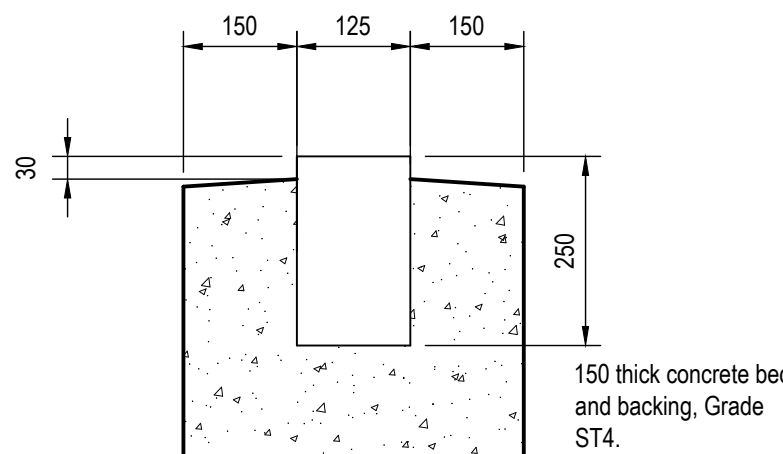
HB2 HALF BATTER KERB

Scale 1:10



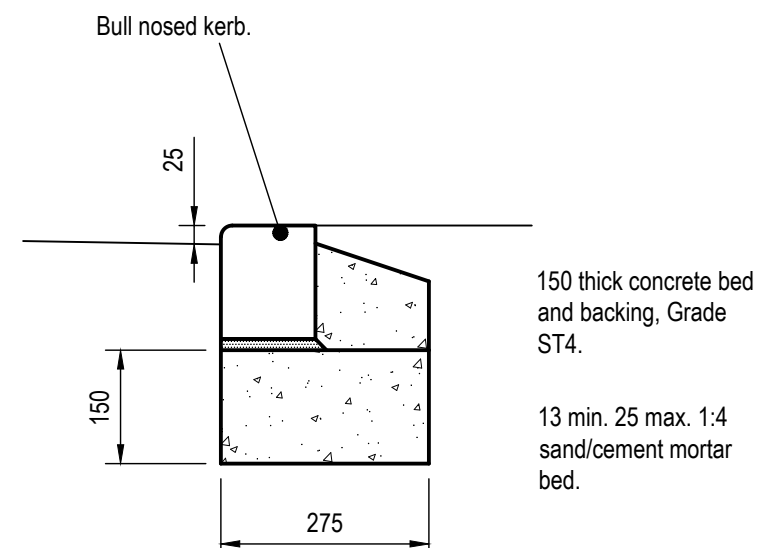
EDGING KERB TO FOOTWAY

Scale 1:10



CHANNEL BLOCK

Scale 1:10



BULL NOSED KERB

Scale 1:10

SUBGRADE CBR	ADJUSTMENT TO THICKNESS OF SUB BASE(mm)
>4	250
3	350
2	600
1	SUBGRADE IMPROVEMENT REQUIRED

TABLE 1

Subgrade Improvement Table for Low CBR Values

INFORMATION WITHIN THIS DRAWING IS NOT NECESSARILY PRODUCED TO SCALE. ALWAYS USE FIGURED DIMENSIONS AND CO-ORDINATES - IF IN DOUBT, ASK.

NOTES

- This drawing is to be read on conjunction with all relevant Eastwood & Partners drawings prefixed 45466.
- Driveway construction is to be in accordance with NHBC Chapter 10.2.

B Construction Details & permeable pavement requirements added AT CH 18.09.23

A First Issue.

REV DESCRIPTION SIG CHK DATE

VISTRY PARTNERSHIPS

LITTLEBOROUGH

CONSTRUCTION DETAILS FOR DRIVEWAYS

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SCALE WHEN PLOTTED AT A1		DRAWING STATUS	
1:25 1:10		APPROVAL	
DRAWN	CHECKED	DATE	DRAWING NUMBER
RJ	CH	03.08.23	45466/073
			REV
			B