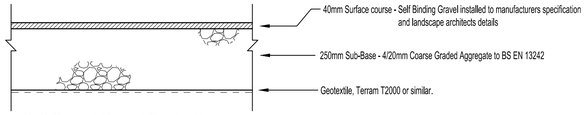
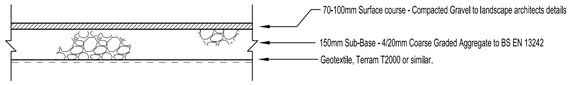


Self Bound Gravel Footpath

* Sub-base is based on a minimum CBR of 3%.

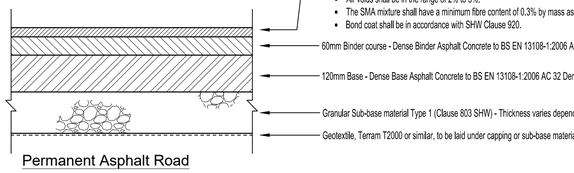
Note: NO vehicle overrun is permitted



Gravel Footpath

* Sub-base is based on a minimum CBR of 3%.

Note: NO vehicle overrun is permitted

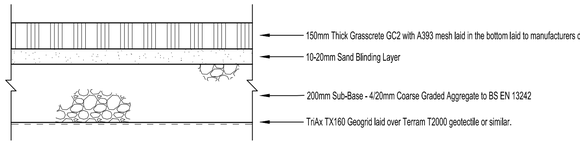


Permanent Asphalt Road

* 30mm surface course can be omitted in 'interim temporary condition

** Sub-base and Capping thicknesses are based upon a minimum CBR of 5%.

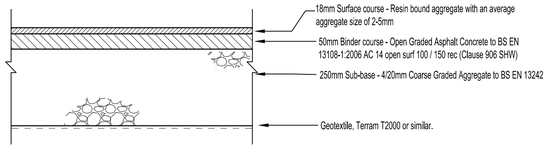
Following positive CBR tests, these construction thicknesses can be decreased as indicated in Table 1.



Grasscrete Reinforced Grass

Grasscrete by Grasscrete, refer to manufacturers installation guides.

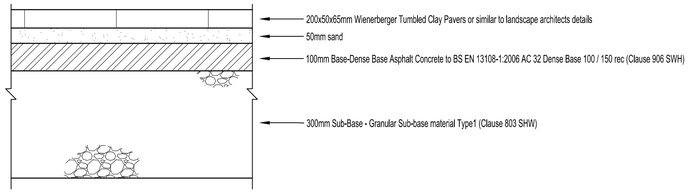
TriAx TX160 by Tensar, refer to manufacturers installation guides.



Resin Bound Gravel Gravel Footpath

* Sub-base is based on a minimum CBR of 3%.

Note: NO vehicle overrun is permitted

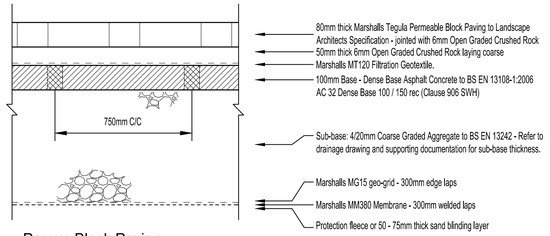


Block Paving Heavy Footpath

* Paver size may vary dependant on product installed

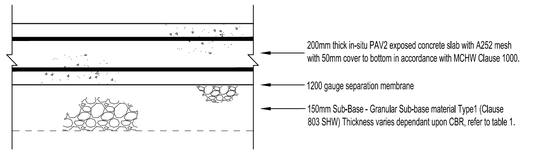
** sub-base thickness is based upon a minimum CBR of 3%. If on site CBR test results are greater then the construction thickness may be reduced - refer to Table 1.

Note: This is for use where there is uncertainty about the type of overrun or if the footway is adjacent to a busy road and overrun is not prevented by some physical means. This does not include pedestrian areas that see a significant amount of delivery vehicles-it allows for 1 heavy vehicle per day for 40 years.



Porous Block Paving

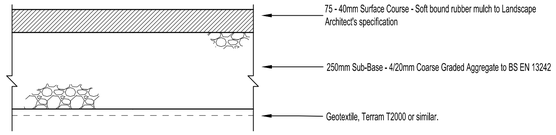
1. Buildup is suitable for subgrade with CBR 3%.
2. Core 50mm diameter holes at 750mm centres through the DBM surface into the sub-base, fill holes with 6mm open graded crushed rock.
3. Pavement concrete build-up is typical - Contractor is to obtain a site-specific design from their chosen manufacture and present it to the engineer for approval in advance of starting the works.



Concrete Base to Storage Area

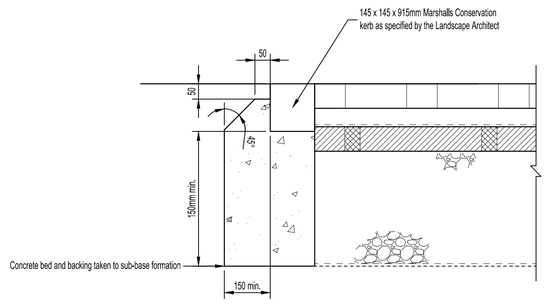
* Sub-base and Capping are based on a minimum CBR of 5%.

Following positive CBR tests, these construction thicknesses can be decreased as indicated in Table 1.



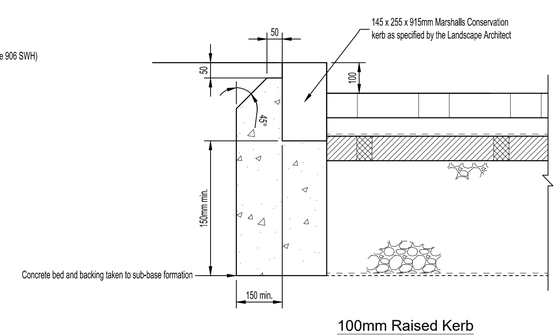
Rubber Mulch Play Surface

NOTE 1. Buildup is suitable for subgrade with minimum CBR 5%.



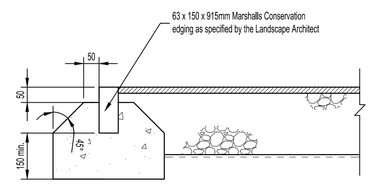
Flush Kerb

NOTE 1. Buildup is suitable for subgrade with minimum CBR 5%.

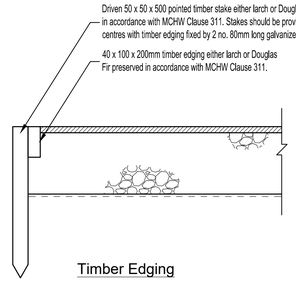


100mm Raised Kerb

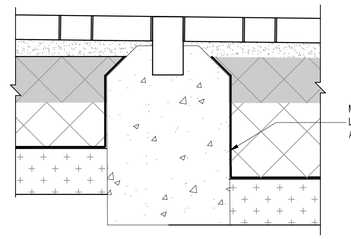
NOTE 1. Buildup is suitable for subgrade with minimum CBR 5%.



Edging Kerb



Timber Edging



TYPICAL FULL HEIGHT RESTRAINT DETAIL FOR STEP IN PERMEABLE STONE SUB-BASE

TABLE 1 - CARRIAGEWAY FOUNDATION THICKNESS

CBR VALUE	MINIMUM THICKNESS (mm) OF TYPE 1 SUB-BASE TO SHW CLAUSE 803 (CONSOLIDATED IN ACCORDANCE WITH MCHW VOLUME 1 CLAUSE 801, TABLE 8/1)		
	SUB-BASE ONLY	MINIMUM THICKNESS (mm) OF TYPE 6F4/5 CAPPING TO SHW CLAUSE 613	
		SUB-BASE	CAPPING
<2.5%	CONSULT ENGINEER	CONSULT ENGINEER	
2.5-2.9%	350	150	400
3-3.9%	300	150	350
4-4.9%	275	150	300
5-7.9%	225	150	250
8-15%	190	150	210
>15%	150	N/A	N/A

TABLE EXTRACTED FROM DMRB HD 25/94 FIGURE 3.1

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.

Do not scale from this drawing.

NOTES

1. All dimensions are in millimetres unless otherwise stated.
2. This drawing should be read in conjunction with all relevant Architects, Engineers and Services Engineers specifications and drawings.
3. This drawing should not be scaled.
4. The contractor is to undertake soaked, lab based CBR testing following bulk earthworks to verify the formation CBR value and the pavement thickness.
5. The contractor shall inform Elliott Wood Partnership of any potential discrepancies.
6. Before commencing the construction of the capping layer, areas of sub-formation shall be prepared in accordance with the requirements of clause 613 of the Specification for Highway Works.
7. Where subgrade CBR is found to be less than 2.5% it must be permanently improved. (Where the CBR is less than 2.5% it is considered unsuitable support for a pavement foundation.) Where the subgrade is improved, the design CBR must be assumed to be equivalent to 2.5%, in order for the effects of any softer underlying material and the potential reduction in the strength of the replacement material to its long-term CBR.

NOT FOR CONSTRUCTION

rev	sc	date	by	chk	description
P1	S2	21.03.22	HHu	PDa	Issued for Stage 3

elliottwood engineering a better society

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Central London • Wimbledon • Nottingham
Consulting Structural and Civil Engineers
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Project

Proposed Great Wolf Lodge.
Chesterton, Bicester,
Oxfordshire

Drawing title

External Works Details
Sheet 1 of 2

Scale (s)	Date	Drawn
1:10 @ A1	March 2022	HHu

Drawing status: Preliminary — Status S2 — Revision P1

Project no.	Originator	Zone	Level	Type	Role	drg no.
2180501	EWP	ZZ	00	DR	C	5100