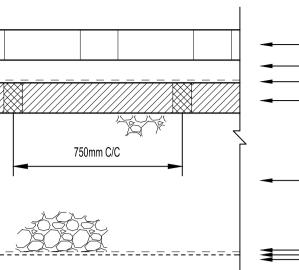
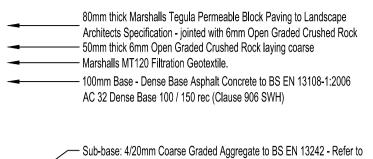
	40mm Surface course - Self Binding Gravel installed to manufacturers specification and landscape architects details	
	250mm Sub-Base - 4/20mm Coarse Graded Aggregate to BS EN 13242	
	Geotextile, Terram T2000 or similar.	
Self Bound Gravel Footpath		750mm C/C
* Sub-base is based on a minimum CBR of 3%.		
Note: NO vehicle overrun is permitted	70-100mm Surface course - Compacted Gravel to landscape architects details	
	150mm Sub-Base - 4/20mm Coarse Graded Aggregate to BS EN 13242	
	Geotextile, Terram T2000 or similar.	Porous Block Paving 1. Buildup is suitable for subgrade with CBR 3%.
Gravel Footpath	 40mm SMA Surf 10 PMB shall be in accordance with BS EN 13108-5 and the example specification shown in PD 6691:2015 Appendix D with the following additional requirements: The polymer modified bitumen is to be selected to suit high stresses associated with braking and turning forces from HGV 	 Core 50mm diameter holes at 750mm centres through the DBM surface graded crushed rock. Pavement concrete build-up is typical - Contractor is to obtain a site-spece
* Sub-base is based on a minimum CBR of 3%. Note: NO vehicle overrun is permitted	 movements. The minimum target binder content B_{ACT} (% by mass) shall be 6.7% with a maximum tolerance of +/- 0.5% by mass in accordance with PD 6691 2015 + A1 2016. 	and present it to the engineer for approval in advance of starting the wor
	 The wheel tracking rate is to be half that specified within PD6691 for a Classification 2 site. (i.e. tested at 60°C). 	
	 Air voids shall be in the range of 2% to 5%. The SMA mixture shall have a minimum fibre content of 0.3% by mass as per TS 2010. 	v 4 v 4 v 4
	Bond coat shall be in accordance with SHW Clause 920. 60mm Binder course - Dense Binder Asphalt Concrete to BS EN 13108-1:2006 AC 20 Dense binder 100 / 150 rec (Clause 906 SHW)	
	120mm Base - Dense Base Asphalt Concrete to BS EN 13108-1:2006 AC 32 Dense Base 100 / 150 rec (Clause 906 SWH)	
	Granular Sub-base material Type 1 (Clause 803 SHW) - Thickness varies dependant upon CBR, refer to Table 1.	
Dermanant Aanhalt Dood	Geotextile, Terram T2000 or similar, to be laid under capping or sub-base material.	Concrete Base to Storage Area * Sub-base and Capping are based on a minimum CBR of 5%.
Permanent Asphalt Road		Following positive CBR tests, these construction thicknesses can be decrea
* 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 decre	ased as indicated in Table 1.	7.0.2.0
	150mm Thick Grasscrete GC2 with A393 mesh laid in the bottom laid to manufacturers details	
	10-20mm Sand Blinding Layer	
A A A A A A A A A A A A A A A A A A A	200mm Sub-Base - 4/20mm Coarse Graded Aggregate to BS EN 13242	Rubber Mulch Play Surface
	TriAx TX160 Geogrid laid over Terram T2000 geotectile or similar.	NOTE 1. Buildup is suitable for subgrade with minimum CBR 5%.
		145 x 145 x kerb as spe
Grasscrete Reinforced Grass		
Grasscrete by Grasscrete, refer to manufacturers installation guides. TriAx TX160 by Tensar, refer to manufacturers installation guides.		
1	18mm Surface course - Resin bound aggregate with an average	
	aggregate size of 2-5mm 	
	13108-1:2006 AC 14 open surf 100 / 150 rec (Clause 906 SHW)	150mm min. △
	250mm Sub-base - 4/20mm Coarse Graded Aggregate to BS EN 13242	
	Geotextile, Terram T2000 or similar.	
	Concrete bed and backing taken to su	ub-base formation
Resin Bound Gravel Gravel Footpat * Sub-base is based on a minimum CBR of 3%.	<u>.n</u>	
Note: NO vehicle overrun is permitted		Flush Kerl
	200x50x65mm Wienerberger Tumbled Clay Pavers or similar to landscape architects details	
	- 50mm sand	145 x 255 kerb as sp
	100mm Base-Dense Base Asphalt Concrete to BS EN 13108-1:2006 AC 32 Dense Base 100 / 150 rec (Clause 906 SWH)	
	300mm Sub-Base - Granular Sub-base material Type1 (Clause 803 SHW)	45°
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 CBF 	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		
prevented by some physical means. This does not include pedestrian a heavy vehicle per day for 40 years.	neas mar see a significant amount of delivery vehicles-it allows for t	
		100mm B





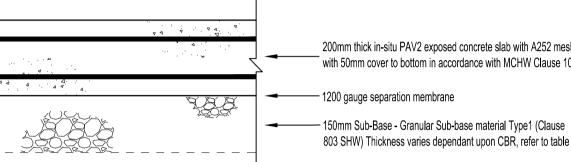
drainage drawing and supporting documentation for sub-base thickness. ---- Marshalls MG15 geo-grid - 300mm edge laps

— Marshalls MM380 Membrane - 300mm welded laps

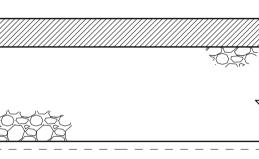
Protection fleece or 50 - 75mm thick sand blinding layer

orous Block Paving

Core 50mm diameter holes at 750mm centres through the DBM surface into the sub-base, fill holes with 6mm open graded crushed rock. Pavement concrete build-up is typical - Contractor is to obtain a site-specific design from their chosen manufacture



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



75 - 40mm Surface Course - Soft bound rubber mulch to Landscape Architect's specification

200mm thick in-situ PAV2 exposed concrete slab with A252 mesh

803 SHW) Thickness varies dependant upon CBR, refer to table 1.

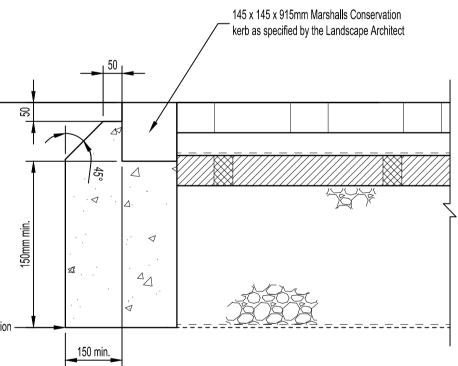
---- 1200 gauge separation membrane

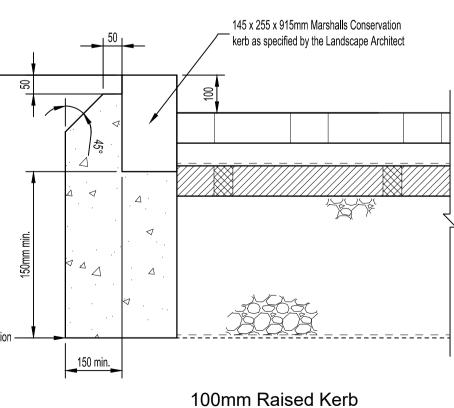
Geotextile, Terram T2000 or similar.

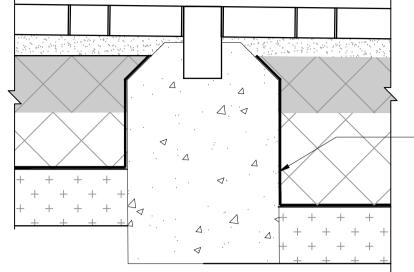
with 50mm cover to bottom in accordance with MCHW Clause 1000.

250mm Sub-Base - 4/20mm Coarse Graded Aggregate to BS EN 13242

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



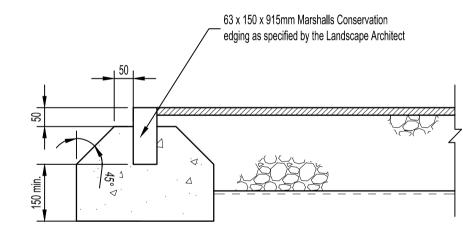




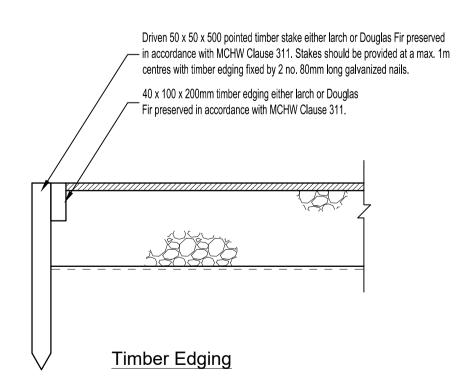
TYPICAL FULL HEIGHT RESTRAINT DETAIL FOR STEP IN PERMEABLE STONE SUB-BASE

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		/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



Edging Kerb



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

- All dimensions are in millimetres unless otherwise stated.
- This drawing should be read in conjunction with all relevant Architects, Engineers and Services Engineers specifications and drawings.
- This drawing should not be scaled. The contractor is to undertake soaked, lab based CBR testing following bulk
- earthworks to verify the formation CBR value and the pavement thickness. The contractor shall inform Elliott Wood Partnership of any potential
- discrepancies. 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.
- 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.

MARSHALLS MM380 MEMBRANE - 300mm WELDED - LAPS TO WRAP AROUND COURSE GRADED AGGREGATE (CGA) TYPE 4/20

NOT FOF	R CONSTI	RUCTION		
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Elliott Wood Partnership Ltd Central London • Wimbledon • Nottingham Consulting Structural and Civil Engineers (020) 7499 5888 • elliottwood.co.uk				
Project				
Proposed C	Great Wol	f Lodge.		
Chesterton	, Bicester	-		
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Sheet 1 of 2				
Scale (s)	Date	Drawn		
1:10 @ A1	March 2022			
Drawing status Preliminary		Status Revision		
Project no. Origir	nator Zone Level			