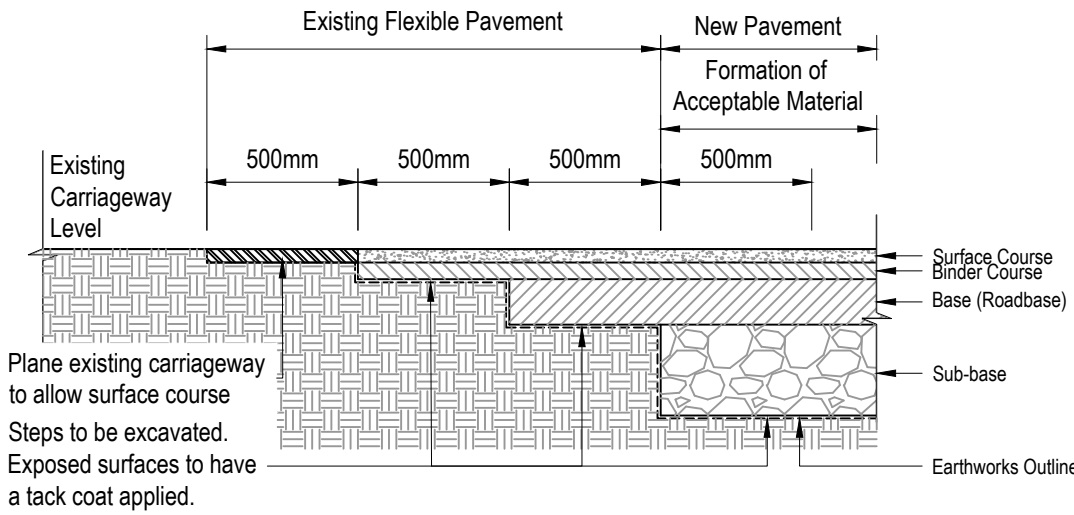


Table 3		
CBR Value	Minimum thickness (mm) of Type 1 sub-base (Consolidated in accordance with MCHW Volume 1 Clause 801, table 8/1)	
	Without Geogrid	With Geogrid (Tensar SS30 or similar approved)
Less than 2%	N/A	300
2% - 3%	325	225
3% - 5%	250	150
5% - 7%	150	
7% - 20%	100	
	1. Minimum thickness of sub-base may be considered for reduction when using proprietary geogrid, provided they can be adequately justified and designed by an Engineer in accordance with Technical requirement RS. 2. Specialist advice should be sought to improve the subgrade.	

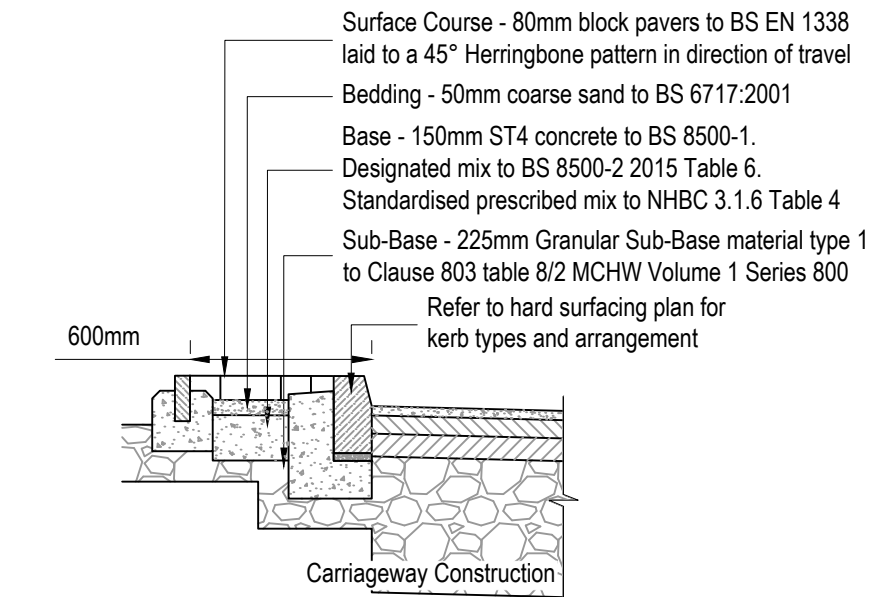
Construction Notes:

- In the first column, European harmonised names for the pavement layers are with the old UK designations included in brackets.
- Where a capping layer is specified, sub-base thickness can be reduced. Pavement Design CD 225 Revision 1 gives guidance on capping and sub-base thickness design based on CBR values with and without a capping layer.
- For the minimum thickness of the sub-base for different CBR values, refer to Table 3.
- Bond coat in accordance with BS 594987 should be applied to ensure effective bonding of the asphalt layers.
- Bituminous mixtures/asphalt can be used as a partial replacement of a full thickness granular sub-base type 1 material.
- If the binder course is subjected to an extensive period of trafficking before the surface course is applied, a recipe mixture containing a higher bitumen content will be more durable/resistant to fretting/travelling under traffic.
- Where laid to either a 90 or 45 degree herringbone pattern, the edge perimeter should be laid with one single row of stretcher bond set parallel to the edge restraint. Where block pavers are laid abutting drainage channels, gully grates, etc. the upper surface of the block pavers should be set 3-6mm above the grating. Manufacturer's declared value markings W3 and S4 are acceptable. Where W3 is 1.0kg/m² or less and S4 is 45 or more based on 'C scale unit' (for abrasion, class A2 = maximum result is 23mm, class A1 = no performance determined).
- A 38mm thickness of graded 15/20mm unbound aggregate to BS EN 13242 (gravel), well rolled and compacted, should be used.
- Reference to clauses are in relation to the relevant European and/or British Standards.
- Asphalt contractors should be certified in accordance with the National Highway Sector Schemes for Quality Management in Highway Works - Scheme 16.



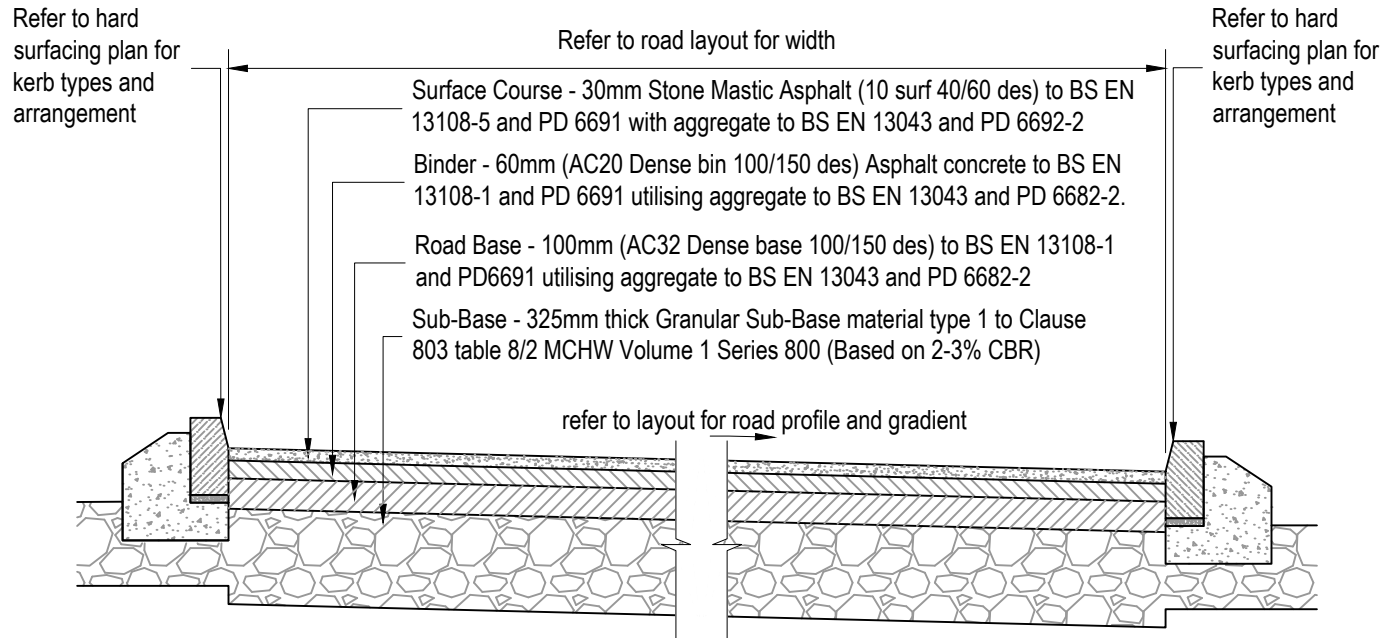
Stepped Tie In Construction

(Scale 1:25)



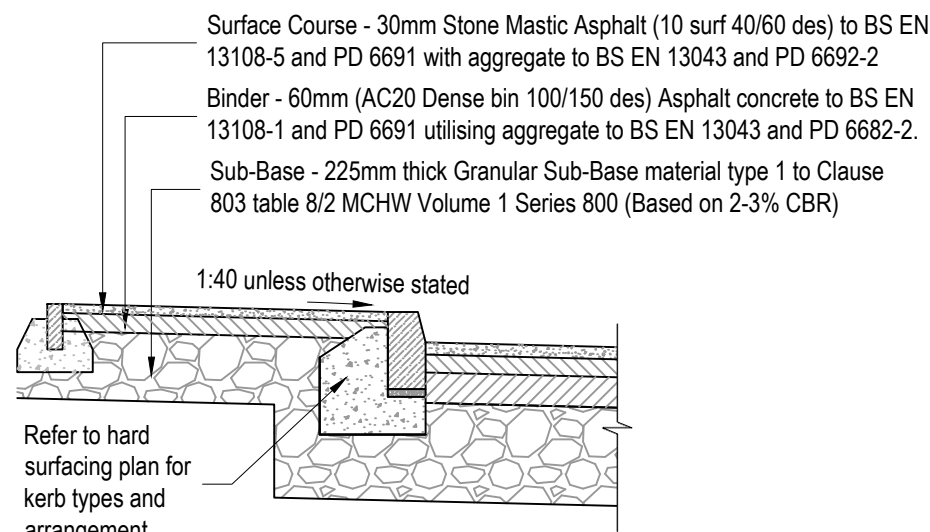
Block Paved Hard Margin Construction

(Scale 1:25)



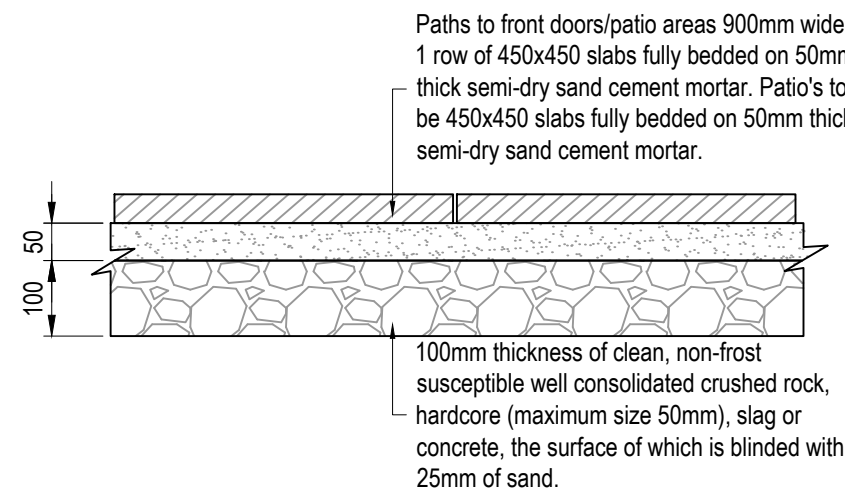
SMA Road Construction

Frequent use by commercial vehicles (Scale 1:25)



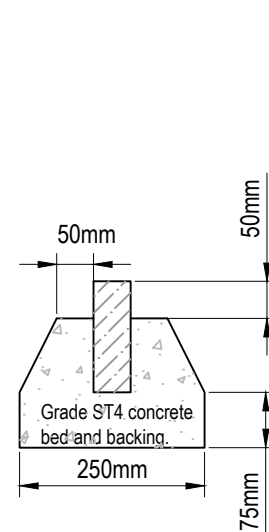
Asphalt Footpath Construction

(Scale 1:25)



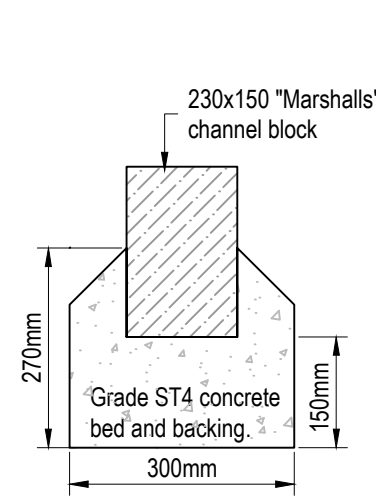
Path and Patio Construction

(Scale 1:10)



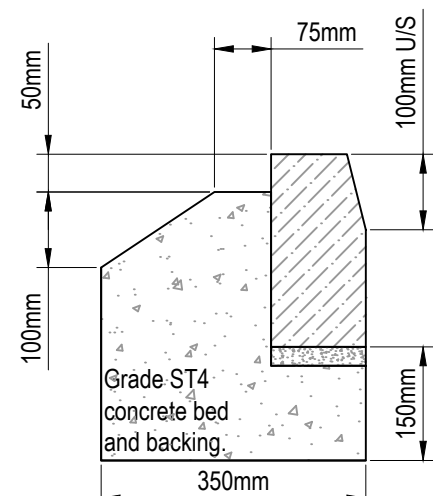
EF

50x150 Flat Top Edging



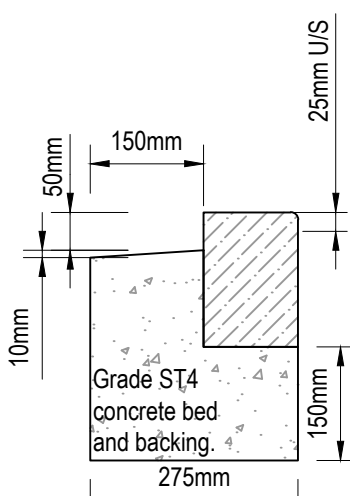
Square Channel

230x150 Marshalls Channel Block Kerb



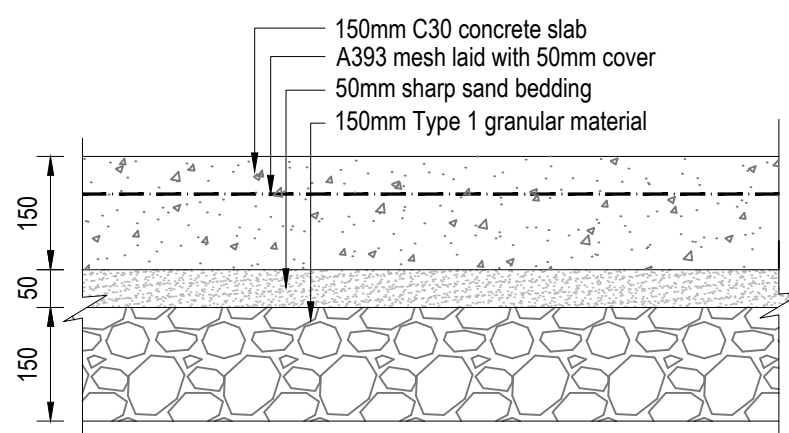
HB2

125x255 Half Battered Kerb



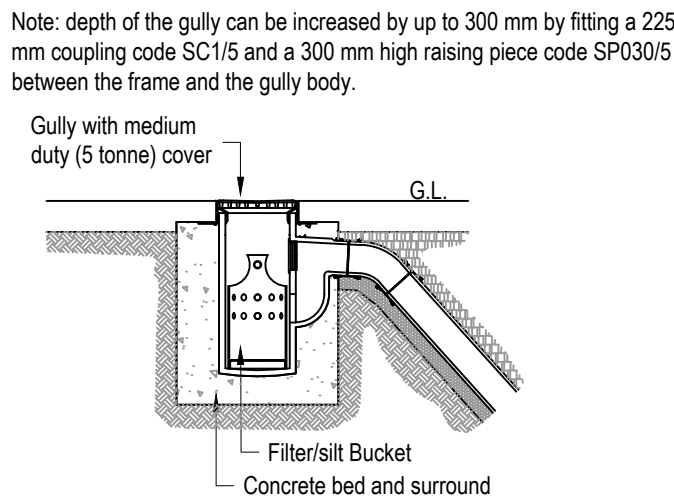
BN2

125x178 Bullnose Kerb (Driveways)



Typical Bin Store Slab Construction

(Scale 1:10)



Typical Hepworth Yard Gully GC8

(Scale 1:25)

General Notes

- Do not scale from this drawing.
- Only figured dimensions are to be relied upon.
- All dimensions in millimetres unless otherwise noted. All levels in metres unless noted otherwise.
- This drawing is to be read in conjunction with relevant architectural, engineering and specialist drawings and specifications.
- Any discrepancies noted on site are to be reported to the engineer immediately.
- Where this drawing has been issued in electronic format, Holdgate Consulting do not accept responsibility for any inaccuracies in the electronic data (including third party content used for reference), which should be checked against the paper (or .pdf) drawing issue.
- Copyright reserved. This drawing may only be used for the client and location noted in the project title. It may not be copied or disclosed to any third party without the prior written consent from Holdgate Consulting.
- This drawing should only be used for construction if the drawing status is "Construction". Holdgate Consulting takes no responsibility for construction works undertaken to drawings that are not marked with this status.

P01	23/06/2028	First Issue	TE / NM / NM
Rev	Date	Description	Draw/Chk/App'd

Status	Preliminary
--------	-------------

Project Title	Land at Fenay Lane, Huddersfield
---------------	----------------------------------

Drawing Title	External Works Details
---------------	------------------------

**HOLDGATE CONSULTING**

● Bingley ● Poole
The Old Hall, 23 Park Road, Bingley,
West Yorkshire, BD16 4BQ
T: 01274 566696 E: mail@holdgateconsulting.com
www.holdgateconsulting.com

Job No.	26-255	Scale @ A1	As Shown
Drawing No.	EW06	Revision	P01