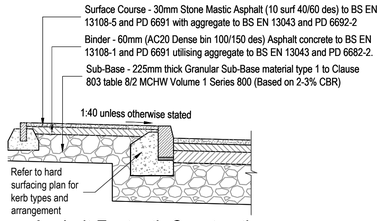


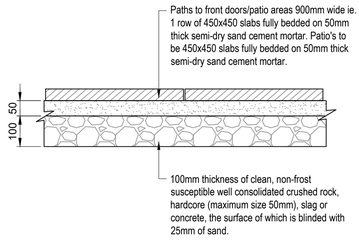
SMA Private Drive Construction

Use by cars and light Vehicles (Scale 1:25)



Asphalt Footpath Construction

(Scale 1:25)

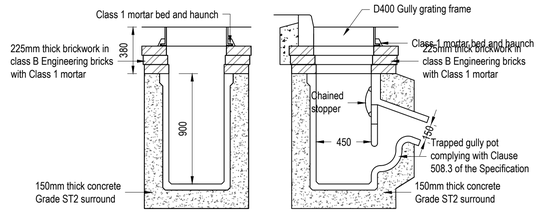


Path and Patio Construction

(Scale 1:10)

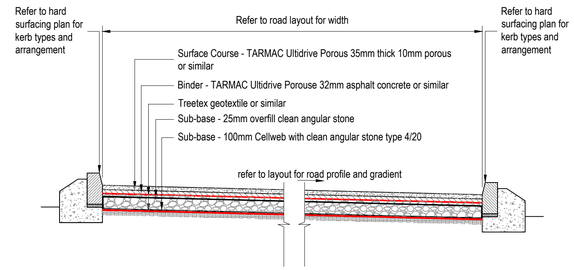
Notes:

1. Gully grating and frame shall comply with Clause 508.4 of the Specification and amended as follows:
a) Shape and size
Nominal width: Minimum 325mm or 450mm | Maximum 341mm or 472mm
b) Waterway area distribution
A minimum of 56cm^2 of the total waterway area shall be distributed within 50mm of the kerb face, and also, a minimum of 97cm^2 shall be distributed within 900mm of the kerb face.
2. All gratings and frames to be fitted wit a theft-proof device to the approval of the Engineer.
3. Measurement of gully (depth of frame less than 150mm)
a. Kerbing will be measure as though no alteration to kerbs
b. Rate for gullies to include for any additional concrete, brickwork, cutting of kerbs, supply and fixing of alternative kerbs approved by the Engineer.
4. Gully grating and frame are to be set 6mm below the designed finished road level.
5. Gully grating and frame must be located centrally over the gully pot.



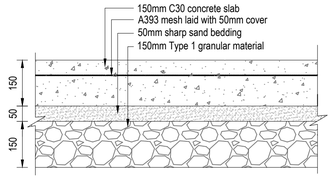
Gully Type 1

1:25



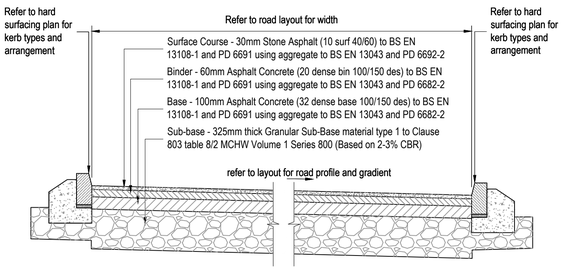
Asphalt Cellweb Porous Road Construction

Use by cars and up to light van (Scale 1:25)



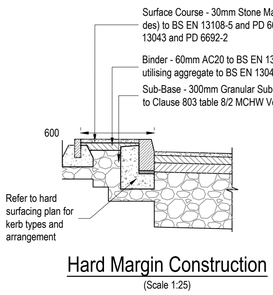
Typical Bin Store Slab Construction

(Scale 1:10)



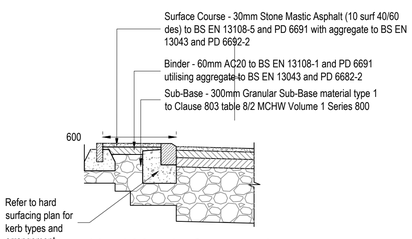
SMA Private Road Construction

Use by commerial vehicles (Scale 1:25)



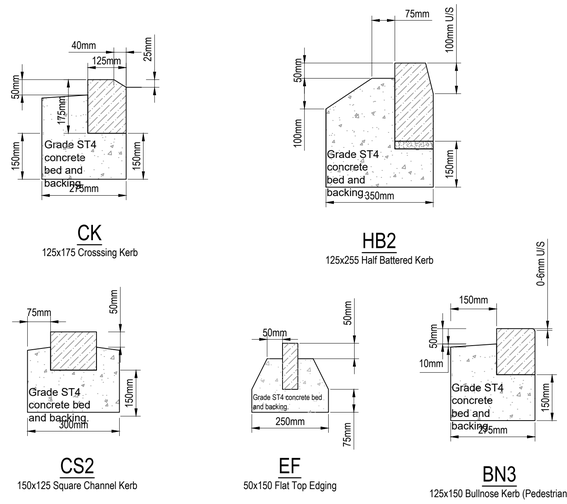
Hard Margin Construction

(Scale 1:25)



Hard Margin Construction

(Scale 1:25)



Typical Kerb Details

(Scale 1:10)

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 R5. 2. Specialist advice should be sort to improve the subgrade.	

Construction Notes:

1. In the first column, European harmonised names for the pavement layers are with the old UK designations included in brackets.
2. 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.
3. For the minimum thickness of the sub-base for different CBR values, refer to Table 3.
4. Bond coat in accordance with BS 594987 should be applied to ensure effective bonding of the asphalt layers.
5. Bituminous mixtures/asphalt can be used as a partial replacement of a full thickness granular sub-base type 1 material.
6. 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/ravelling under traffic.
7. 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, gulley 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).
8. A 38mm thickness of graded 15/20mm unbound aggregate to BS EN 13242 (gravel), well rolled and compacted, should be used.
9. Reference to clauses are in relation to the relevant European and/or British Standards.
10. Asphalt contractors should be certified in accordance with the National Highway Sector Schemes for Quality Management in Highway Works - Scheme 16.
11. Frost susceptible soils are present overall construction shall be a minimum of 450mm. Where the standard detail is less the sub-base thickness shall be increased as necessary.
12. All details are based on a sub-base solution, in accordance with Table 3. If a capping layer is specified then sub-base thickness can be reduced. DMRB IAN 73/06Rev1 Foundations Chapter 3 Capping and Sub-base gives guidance on capping and sub base thickness design based on CBR values and with and without a capping layer.
13. Geotextile layer to be laid, within foundation layer 50mm from formation.
14. Wearing course colour to Architect's/Clent's specification.

Notes

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GENERAL

1. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT PROJECT DOCUMENTATION.
2. OVERALL SETTING OUT DIMENSIONS AND LEVEL DATUMS TO BE CONFIRMED BY THE ARCHITECT.
3. ANY DISCREPANCIES BETWEEN THIS DRAWING AND THE ARCHITECTURAL DRAWINGS SHOULD IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE CONTRACT ADMINISTRATOR, ARCHITECT & ENGINEER.
4. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ON DRAWINGS ARE IN MILLIMETRES, LEVELS ARE IN METRES.
5. DO NOT SCALE OFF DRAWING. ONLY WRITTEN OR CALCULATED DIMENSIONS MUST USED FOR THE PURPOSE OF CONSTRUCTION.
6. ALL DETAILS AND DIMENSIONS, PARTICULARLY THOSE RELATING TO EXISTING STRUCTURES, ARE TO BE CHECKED OR VERIFIED ON SITE BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION OR FABRICATION AND ANY DISCREPANCIES REPORTED TO THE CONTRACT ADMINISTRATOR, ARCHITECT & ENGINEER.
7. MATERIALS AND WORKMANSHIP MUST COMPLY WITH ALL RELEVANT NBS SPECIFICATIONS, NATIONAL/EU CODES OF PRACTICE AND LOCAL AUTHORITY & STATUTORY APPROVALS.
8. ANY NAMED PROPRIETARY PRODUCT OR MATERIAL IS PROVIDED AS A REFERENCE ONLY. CONTRACTORS MAY PROPOSE AN ALTERNATIVE PROVIDED THAT THE PRODUCT OR MATERIAL IS OF EQUIVALENT STANDARD SUBJECT TO THE AGREEMENT OF THE ENGINEER.
9. ALL PROPRIETARY PRODUCTS ARE TO BE USED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S DETAILS AND REQUIREMENTS.
10. CONTRACTORS MUST IDENTIFY IN THEIR TENDER SUBMISSION, ANY PRODUCTS THAT HAVE LONG LEAD-IN PERIODS FOR WHICH THE MATERIALS WOULD NEED TO BE PRE-ORDERED PRIOR TO THE AWARD OF THIS CONTRACT.

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align PROPERTY PARTNERS
White Rose House (2nd Floor), Northallerton Business Park, Thurston Road, Northallerton DL6 2NA

Client: PPJ DEVELOPMENTS

Project Name: Land rear of 23-43 Moor Lane, Gomersal, Cleckheaton, BD19 4LF

Drawing Title: External Works Details

Purpose: S3 - For Comment

Scale	Drawn	Checked	Approved
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Original Size	Date	Date	Date
A1	09.2025	09.2025	09.2025

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