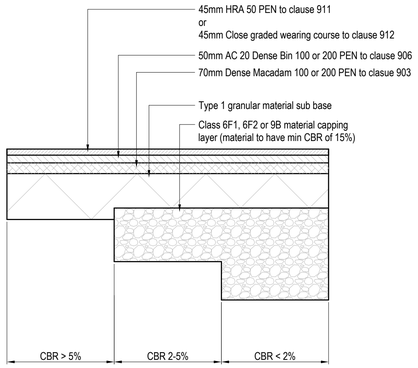


Minor Roads (Highway Flexible Construction)

Scale 1:20

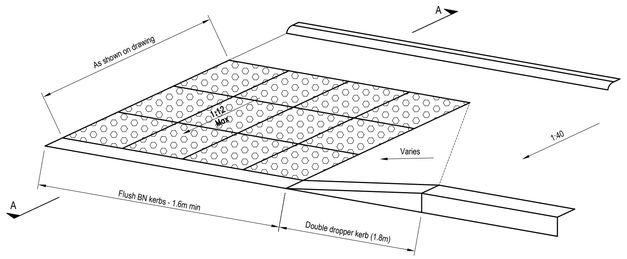
CONSTRUCTION OF THE HIGHWAY SHALL GENERALLY BE TO THE STANDARDS SET OUT IN : NEATH PORT TALBOT COUNTY BOROUGH COUNCIL'S "SPECIFICATION FOR THE CONSTRUCTION OF ROADS FOR ADOPTION"

1. Horizontal alignments shall be determined from one edge of the pavement surface. The edge of the pavement as constructed and all other parallel alignments shall be correct within a tolerance of +/- 25mm there from, except for kerbs, channel blocks and edge lines which shall be laid with a smooth alignment within a tolerance of ± 13mm.
2. The level of any point on the constructed surface of the pavement courses shall be the Design level; subject to the appropriate tolerances stated in Table 7/2. Refer also to sub-clause 508.8.

Table 7/2 – Tolerances in Surface Levels of Pavement Courses

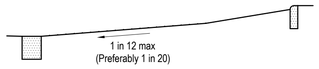
Road surfaces	± 6mm
Base course	± 6mm
Road base	± 15mm
Sub-bases	+10mm -30mm

Sub-base	Cl.803 or Cl.804 Cl.1036	Type 1 or Type 2 Sub-base **OR** Cement Bound Material		150mm 225mm 150mm 150mm	CBR>15% 5%<CBR<15% 2%<CBR<5% CBR<2% See notes 1 & 2
Capping Layer	Cl.613	Capping		- - 300mm 450mm 600mm	CBR>15% 5%<CBR<15% 2%<CBR<5% 1%<CBR<2% CBR<1% See notes 1 & 2



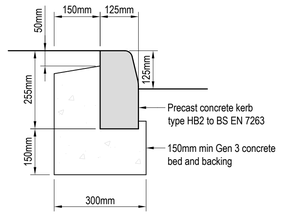
Pedestrian drop kerb detail

Scale 1:20



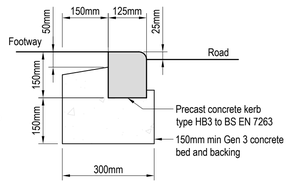
Section A-A

Scale 1:20



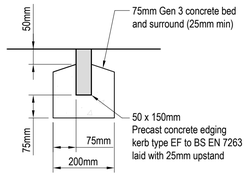
Half Battered Kerb Type HB2

Scale 1:10



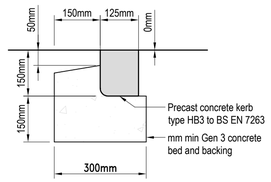
Bull Nosed Kerb Type BN

Scale 1:10



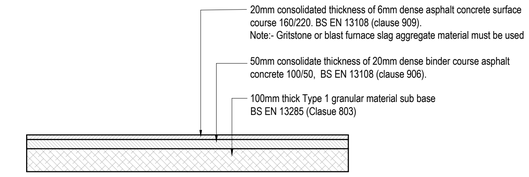
Edging Kerb Type EF

Scale 1:10



BULL NOSED FLUSH KERB TYPE BN-FL

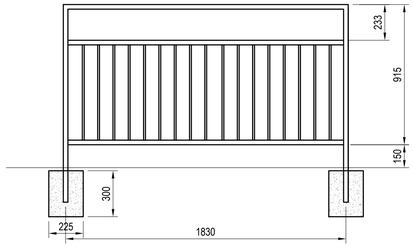
Scale 1:10



Footways to be machine laid (Gradient slacker than 1 in 12: PSV 55
Gradient steeper than 1 in 12: PSV 60)

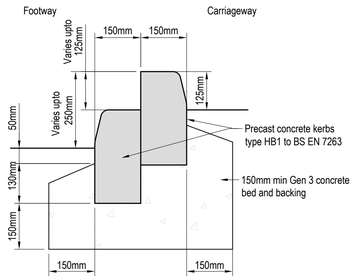
Paved Footways and Paths (Footway Construction Flexible)

Scale 1:20



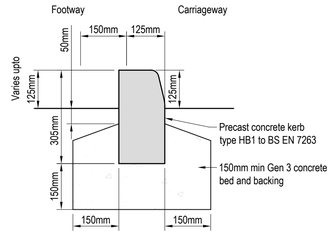
Pedestrian Guardrail with Visibility Panel

Scale 1:20



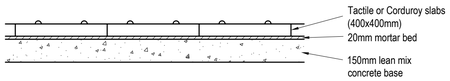
Half Battered Kerb Type RHB1x2

Scale 1:10



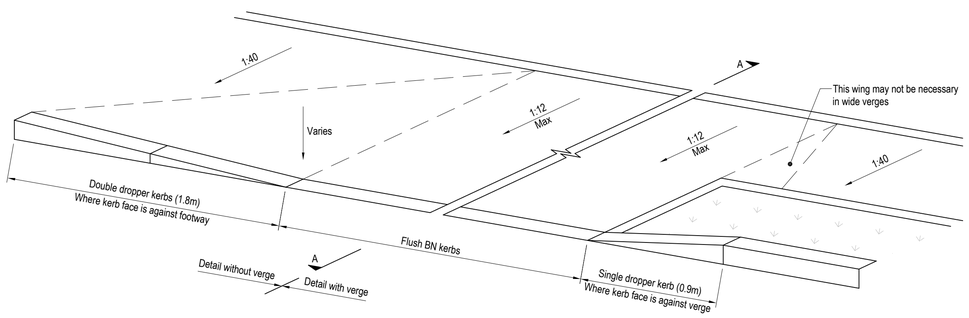
Half Battered Kerb Type RHB1

Scale 1:10



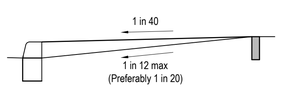
Tactile and Corduroy slab construciton detail

Scale 1:20



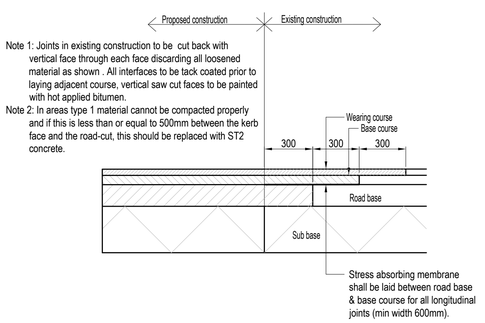
Pedestrian Drop Kerb Detail

Scale 1:20



Section A-A

Scale 1:20

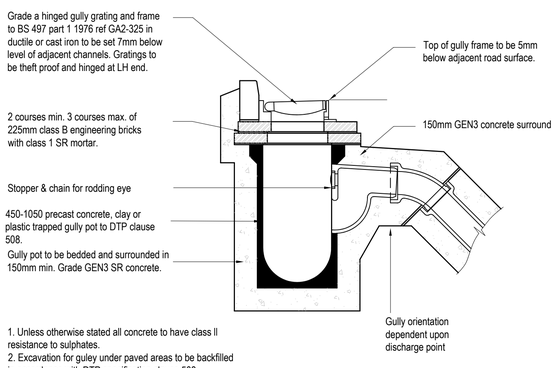


Note 1: Joints in existing construction to be cut back with vertical face through each face discarding all loosened material as shown . All interfaces to be tack coated prior to laying adjacent course, vertical saw cut faces to be painted with hot applied bitumen.

Note 2: In areas type 1 material cannot be compacted properly and if this is less than or equal to 500mm between the kerb face and the road-cut, this should be replaced with ST2 concrete.

Existing / proposed surface tie-in detail

Scale: 1:20



1. Unless otherwise stated all concrete to have class II resistance to sulphates.
2. Excavation for guley under paved areas to be backfilled in accordance with DTP specification clause 508.
3. All pipes to gulley connections shall be bedded on and surrounded with minimum 150mm concrete with flexible joints formed by a shaped form of compressive fillerl.

Trapped road gully

Scale: 1:20

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NOTES:

1. This drawing is to be read in conjunction with all relevant Architects, Engineers and Specialists drawings together with the specification.
2. The contractor shall satisfy himself of location of all underground services prior to ground breaking. All existing services shall be located and protected throughout the works.

1:10 — 200 0 200 400mm

1:20 — 400 0 400 800mm

1:50 — 1 0 1 2m

REV	REVISION DETAILS	DATE
B	Retaining kerb detail, tactile paving & guard rail added.	28-03-25
A	1ST ISSUE	29-01-25

Ghyston Engineering Ltd

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email : Alex@GhystonEngineering.co.uk

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PROJECT TITLE
VARTEG FAWR
HOUSING DEVELOPMENT
PHASE 2

DRAWING TITLE
HIGHWAYS CONSTRUCITON DETAILS

CLIENT
ENTRAN / CRYNANT PLANT

STATUS
INFORMATION

SCALE	Designed by
As Shown AT A1	A.Hughes

DRG SIZE	DRAWING NUMBER	REV
A1	GHY-ENT-02-DRG-05	B