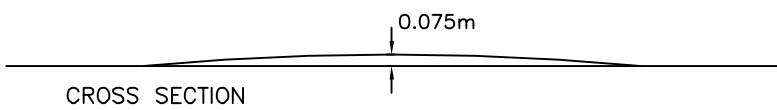
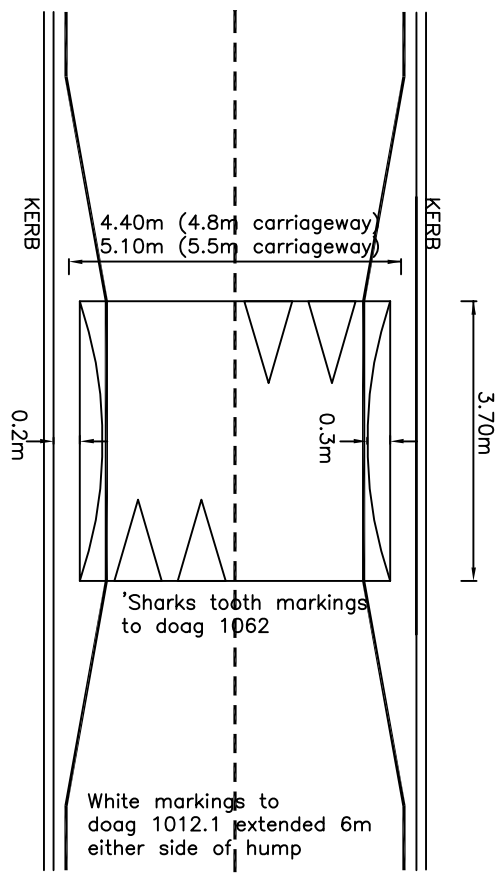
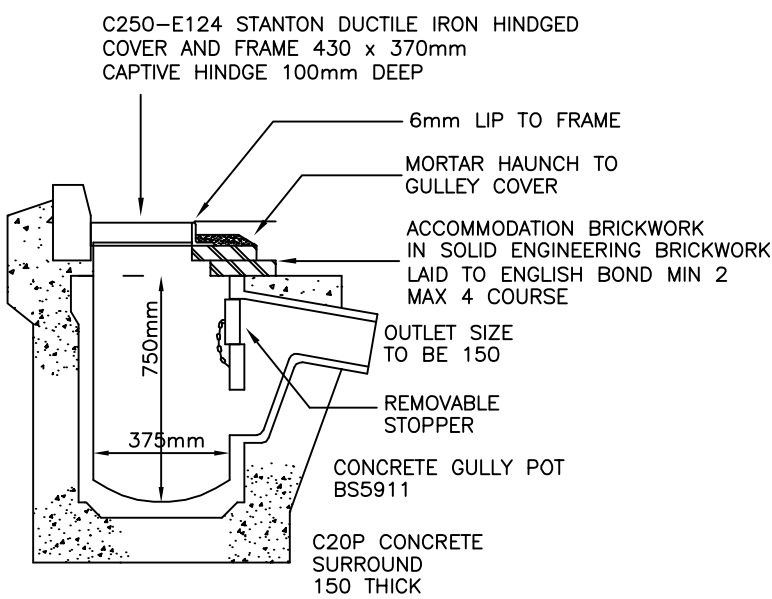
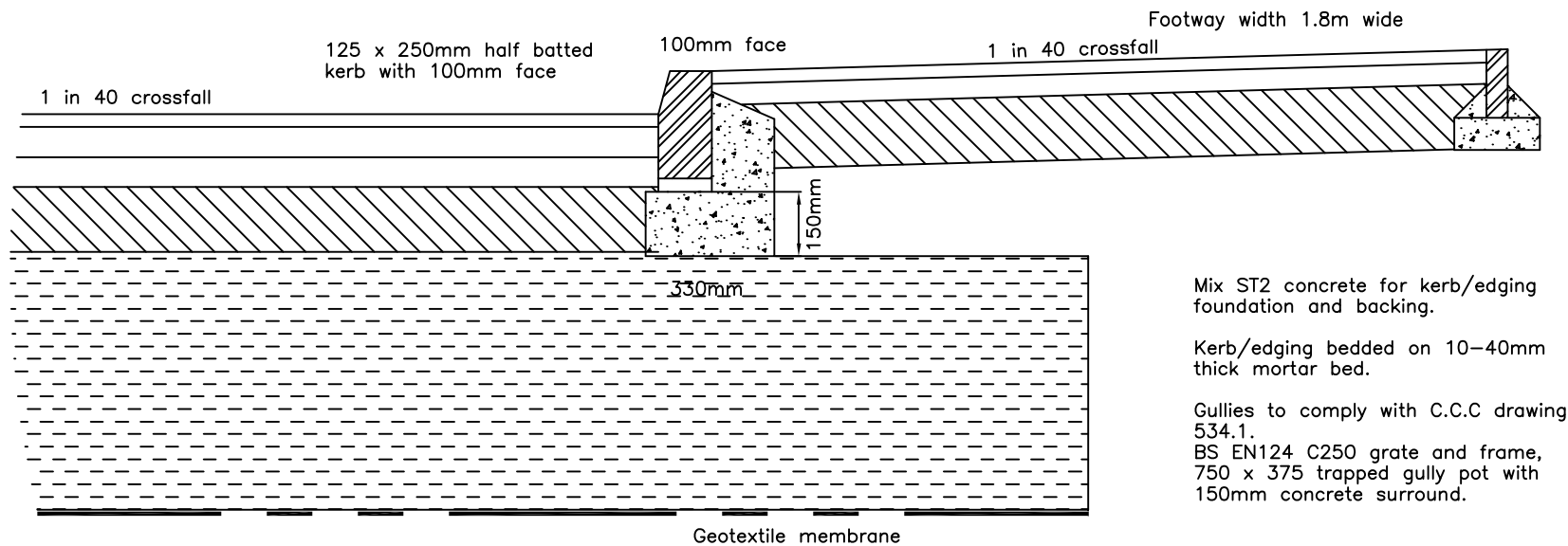


ROUND TOP HUMPH WITH TAPERED SIDES



TRADITIONAL CARRIAGEWAY CONSTRUCTION



TYPICAL ROAD GULLY DETAIL

CONCRETE FOR KERBING, GULLY AND HIGHWAY DRAINAGE DETAILS SHOULD BE ST4

TRADITIONAL CARRIAGEWAY CONSTRUCTION

255x125mm HB kerbs 100mm face	
45mm	HRA 55/14F SURF 40/60 DES EN13108-4
55mm	AC20 HDM BIN 40/60 DES EN13108-1
90mm	AS32 HDM BASE 40/60 DES EN13108-1
150mm	Type 1 granular sub-base clause 803 and BS1377-BS 812
600mm	Type 6F3 material, clause 613

Formation to be exposed and tested for existing CBR value increase in capping layer and further testing to be agreed with Highway Inspector.
Approved Geotextile membrane to be installed unless agreed otherwise with Highway Inspector.

FOOTWAY / 500mm MARGIN CONSTRUCTION

30mm	AC 6 MED SURF 100/150 EN13108-1
50mm	AC 20 OPEN BIN 100/150 EN13108-1
150mm	Type 1 granular sub-base.
225mm	Type 6F3 material, clause 613

DRIVE CROSSINGS (Section 38 phase 2 only)

30mm	AC 6 MED SURF 100/150 EN13108-1
50mm	AC 20 OPEN BIN 100/150 EN13108-1
225mm	Type 1 granular sub-base.
225mm	Type 6F3 material, clause 613

CAPPING LAYER AND SUB BASE

CARRIAGEWAY CONSTRUCTION

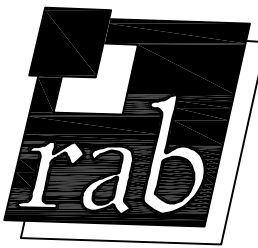
CBR value	Capping layer	Sub base
IESS THEN 2%	600mm	150mm
2% - 5%	350mm	150mm
5% - 15%	0mm	295mm
More then 15%	0mm	295mm

SHARED SURFACE CONSTRUCTION

CBR value	Capping layer	Sub base
IESS THEN 2%	600mm	150mm
2% - 5%	350mm	150mm
5% - 15%	0mm	260mm
More then 15%	0mm	260mm

PC concrete kerbs, channel blocks and edgings BS1340:2003
Concrete block pavers BS1338
Sharp sand BS7533
Type 1 stone BS1377
Type 6F3 stone clause 613
HRA55/14F SURF 40/60 DES EN 13108-4
AC20 HDM BIN 40/60 DES EN13108-1
AC32 HDM BASE 40/60 DES EN13108-1
AC6 MED SURF 100/150 EN13108-1
AC20 OPEN BIN 100/150 EN13108-1
ST2 Concrete
ST4 Concrete
750x375 trapped gully pot BS5911
Gully Grates BSEN124 C250
Class B engineering bricks (solid)
Class 1 sand cement mortar
White lining BSEN 14 36

C. Details not applicable to this phase removed, footway / drive crossing specification revised 5-6-16
B. Drive crossing specification added (section P2 only) 9-6-15
A. British standards added 10-4-13



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Highgrange Developments

Mill Hill, Cleator Moor
Highway construction

DRAWN BY rab

SCALE DATE Sept 12

DRAWING No 972-9 REV c

PRELIMINARY ONLY