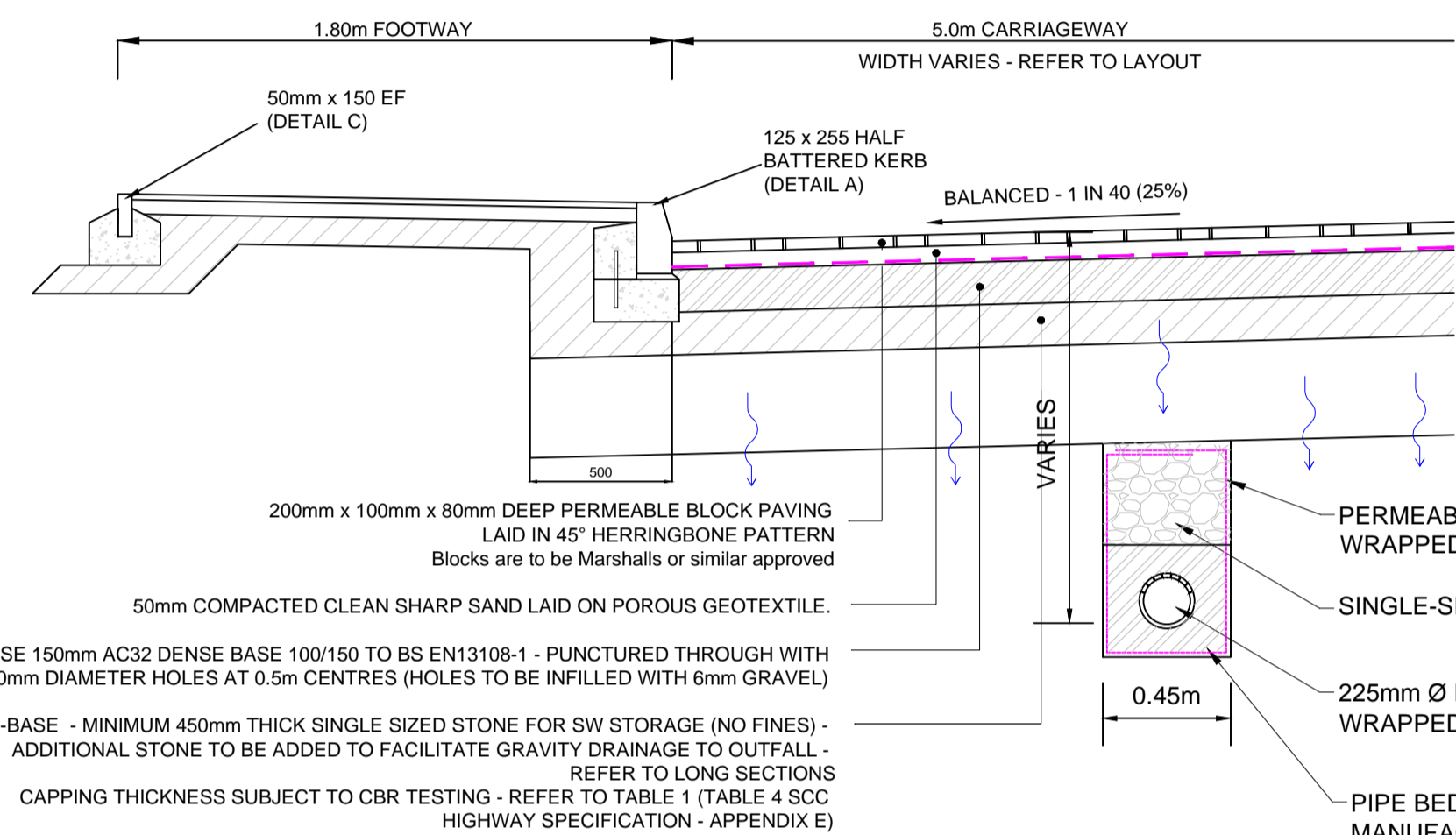


Table 4 – Carriageway Sub-base and Capping Thickness

CBR value of formation	Layer thickness
CBR 15% or greater	150mm sub-base
CBR 5% to less than 15%	225mm sub-base laid in 2 layers (max single layer thickness 125mm)
CBR 2% to less than 5%	150mm sub-base plus 350mm capping
CBR less than 2%	150mm sub-base plus 600mm capping

MINOR ROAD CONSTRUCTION DETAILS
5.5m CORRIDOR - ROAD 1
FOR CONSTRUCTION MAKE UP REQUIREMENTS REFER SCC HIGHWAYS SPECIFICATION, APPENDIX E - TABLE 3

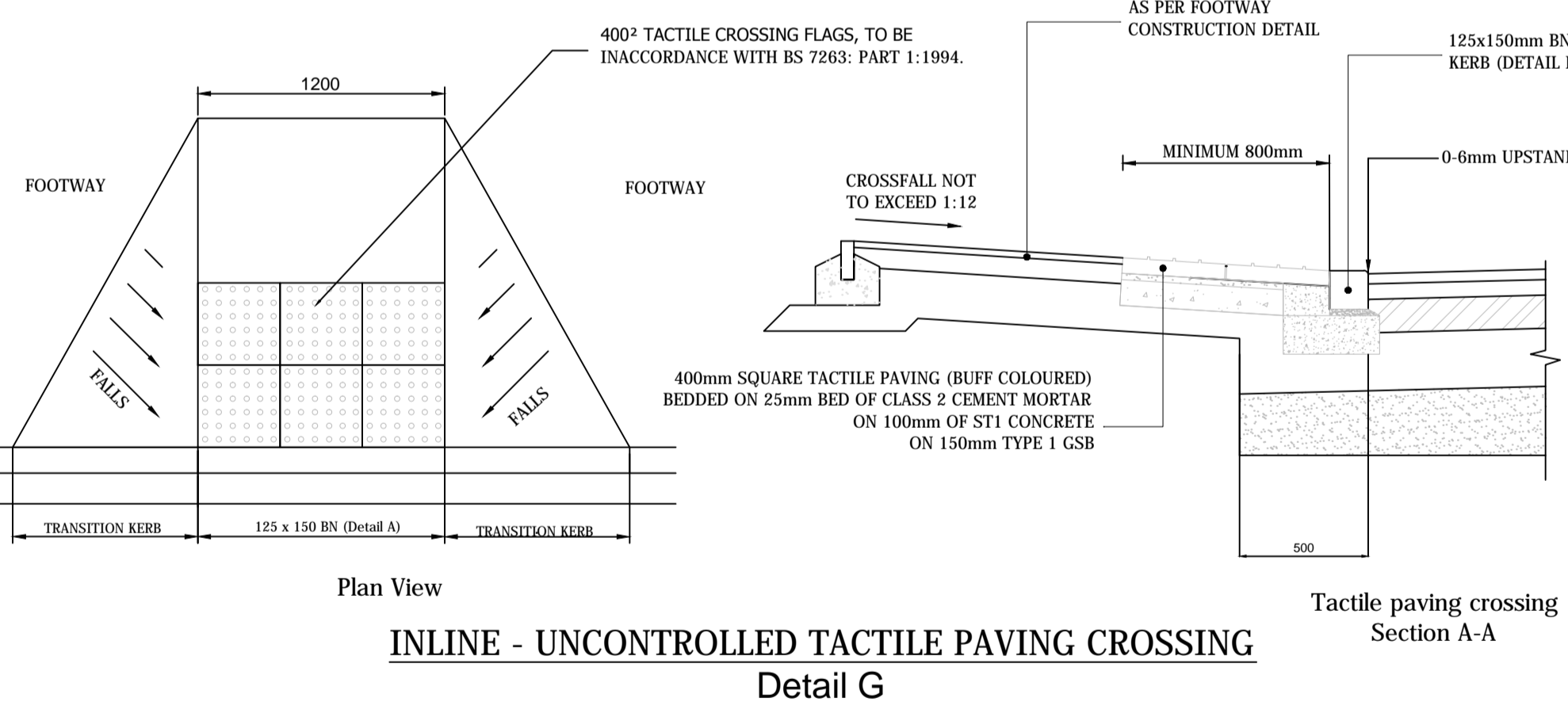
SURFACE COURSE - 40mm HRA 55/10 F SURF 100/150, TO BS EN13108-4 (MIN PSV 60, HOWEVER THIS IS TO BE CONFIRMED BY ENGINEER FOR EACH PARTICULAR SITE.)
BINDER COURSE 60mm AC20 DENSE BIN 100/150 TO BS EN 13108-1
BASE 150mm AC32 DENSE BASE 100/150 TO BS EN13108-1
CARRIAGEWAY SUB-BASE AND CAPPING THICKNESS SUBJECT TO CBR TESTING - REFER TO TABLE 1 (TABLE 4 SCC HIGHWAY SPECIFICATION - APPENDIX E)



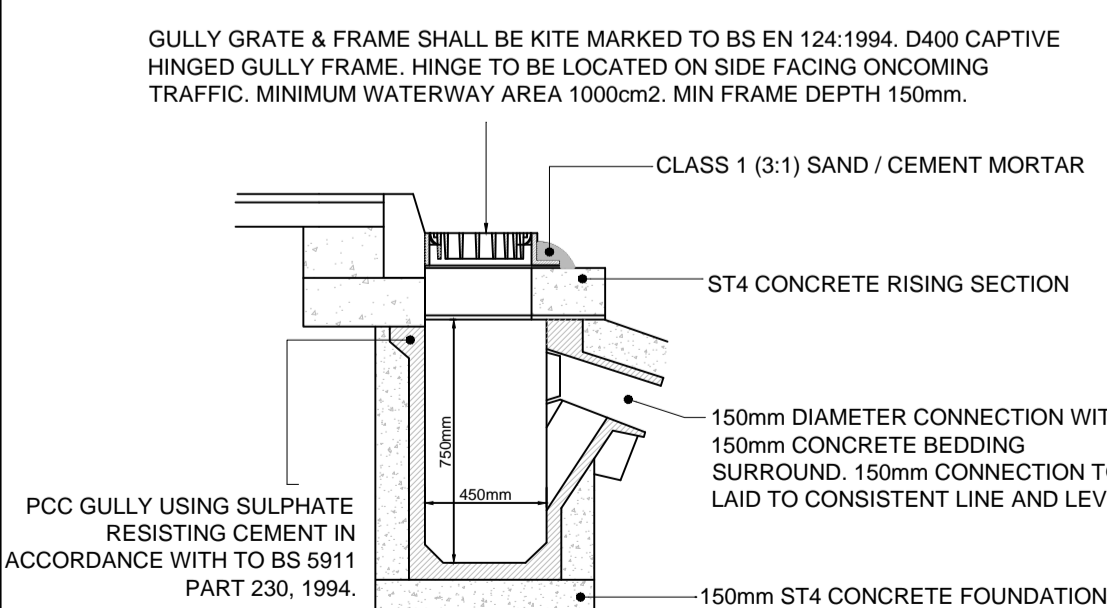
ROAD CONSTRUCTION DETAILS
ROADS 2, 3, 4 (INFILTRATION SUB BASE)
WITH SURFACE WATER CARRIER PIPE

200mm x 100mm x 80mm DEEP PERMEABLE BLOCK PAVING LAID IN 45° HERRINGBONE PATTERN. Blocks are to be Marshalls or similar approved.
50mm COMPACTED CLEAN SHARP SAND LAID ON POROUS GEOTEXTILE.
BASE 150mm AC32 DENSE BASE 100/150 TO BS EN13108-1 - PUNCTURED THROUGH WITH 100mm DIAMETER HOLES AT 0.5m CENTRES (HOLES TO BE INFILLED WITH 6mm GRAVEL).
SUB-BASE - MINIMUM 450mm THICK SINGLE SIZED STONE FOR SW STORAGE (NO FINES) - ADDITIONAL STONE TO BE ADDED TO FACILITATE GRAVITY DRAINAGE TO OUTFALL - REFER TO LONG SECTIONS
CAPPING THICKNESS SUBJECT TO CBR TESTING - REFER TO TABLE 1 (TABLE 4 SCC HIGHWAY SPECIFICATION - APPENDIX E)

PERMEABLE MEMBRANE / GEOTEXTILE LINER WRAPPED AROUND STONE
SINGLE-SIZED STONE (no fines)
225mm Ø PERFORATED CARRIER PIPE WRAPPED IN GEOTEXTILE
PIPE BED & SURROUND TO PIPE MANUFACTURERS SPECIFICATION

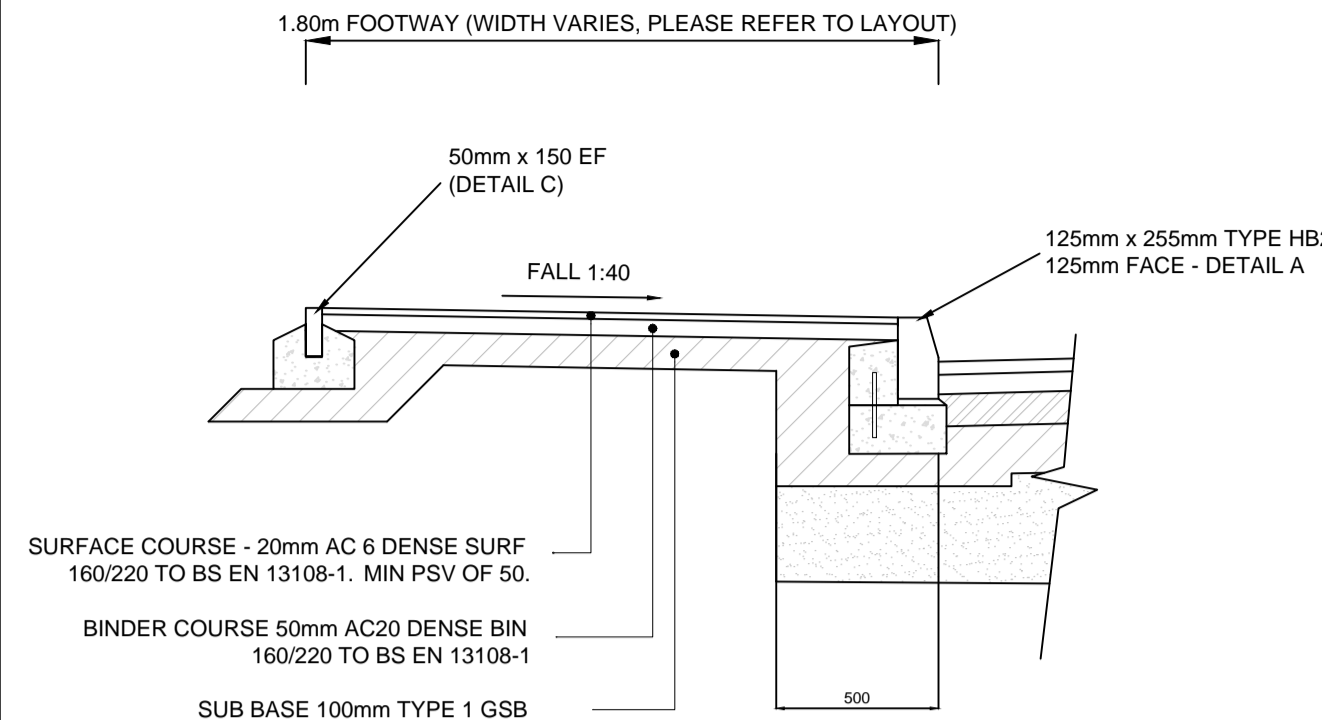


ROAD GULLY



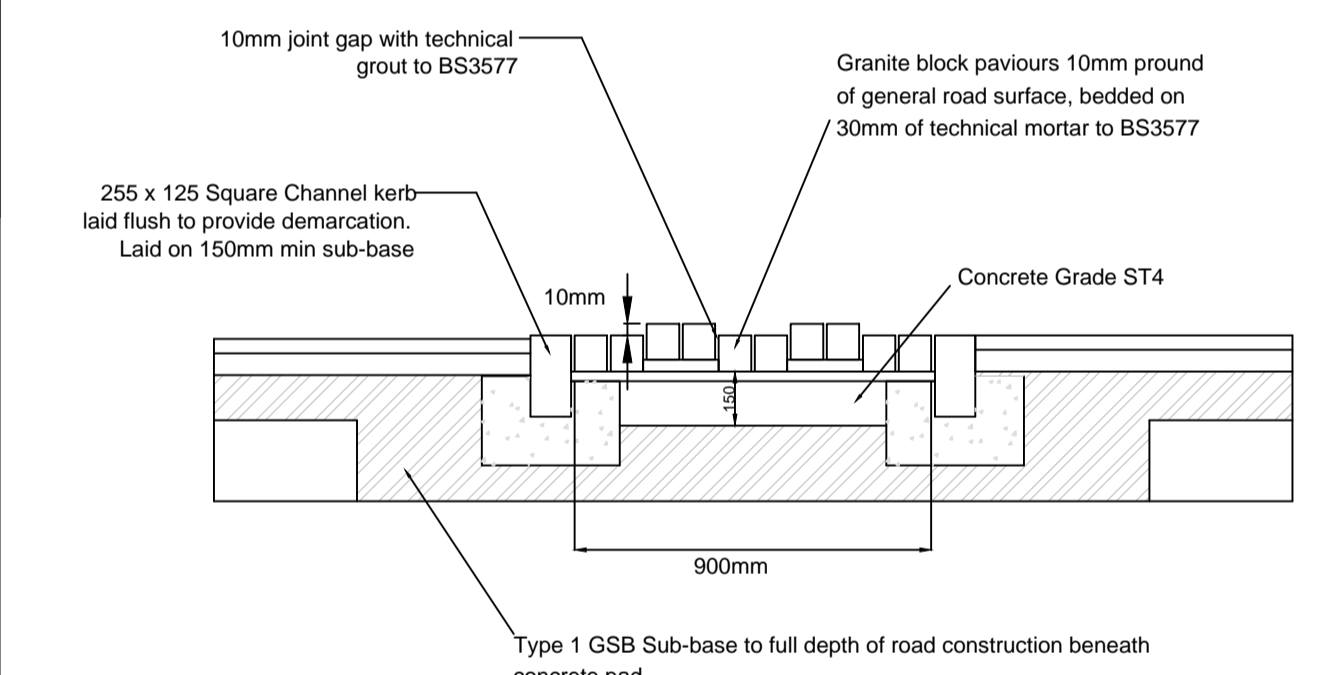
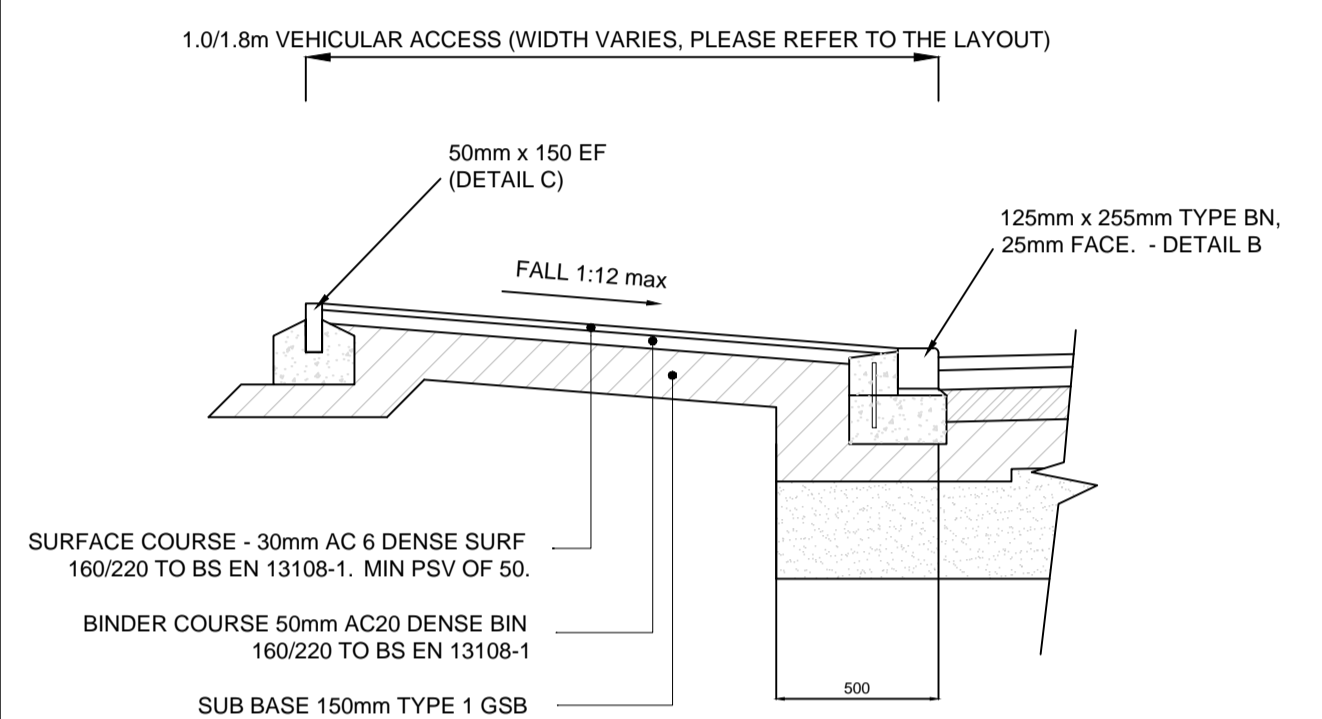
- GULLY NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
 - PRECAST CONCRETE GULLY SHALL COMPLY WITH BS 5911:2002/2004.
 - CHANNEL GULLIES SHALL BE RAISED TO FINISHED ROAD LEVEL FOLLOWING COMPLETION OF BINDER COURSE LAYING AND PRIOR TO COMMENCEMENT OF SURFACE COURSE LAYING AS PRESCRIBED BY BS 594987:2007 CLAUSE 6.9.
 - MORTAR SHALL COMPLY WITH S.H.W. CLAUSE 2404 DESIGNATION.
 - THE MINIMUM DEPTH FROM TOP OF KERB TO THE SOFFIT LEVEL OF THE GULLY OUTLET SHALL BE 750mm WHEN CONNECTING PIPE IS BELOW CARRIAGEWAY (INCLUDING HARD SHOULDER) AND 600mm ELSEWHERE.
 - THE TOPPERS ON TRAPPED INSITU CAST GULLIES SHALL COMPLY WITH THE REQUIREMENTS OF BS 5911:2002/2004.
 - TEMPORARY PLATE 10 THICK MILD STEEL TO BE FIXED ON TOP OF GULLY PO PRIOR TO LAYING BASE AND BINDER COURSE LAYERS CONTINUOUS OVER GULLY POSITION. PLATE SHALL BE REMOVED BEFORE CASTING RISING SECTION.

FOOTWAY & VEHICULAR CROSSING DETAILS

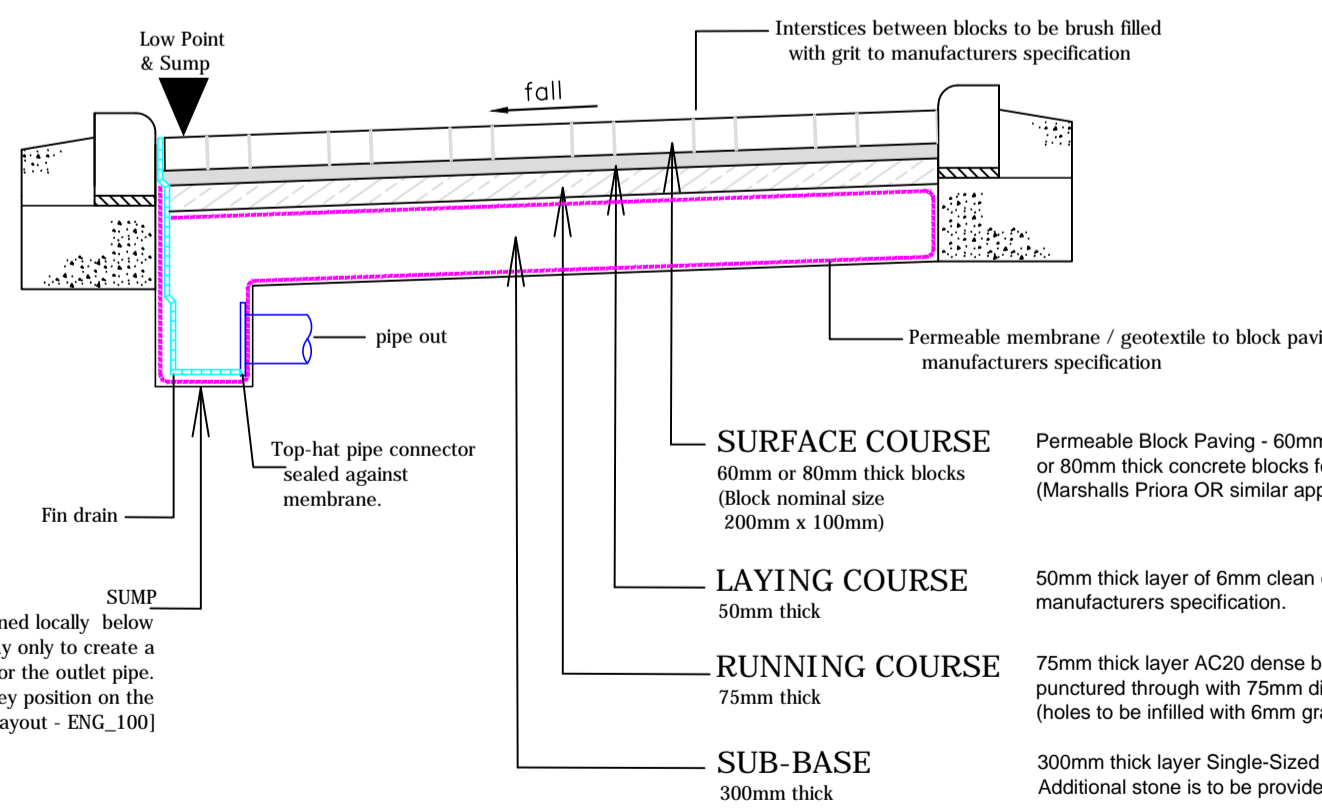


FOOTWAY CONSTRUCTION DETAIL - Detail I

FOR CONSTRUCTION MAKE UP REQUIREMENTS REFER SCC HIGHWAYS SPECIFICATION, APPENDIX E - CL 5.1 & 5.2

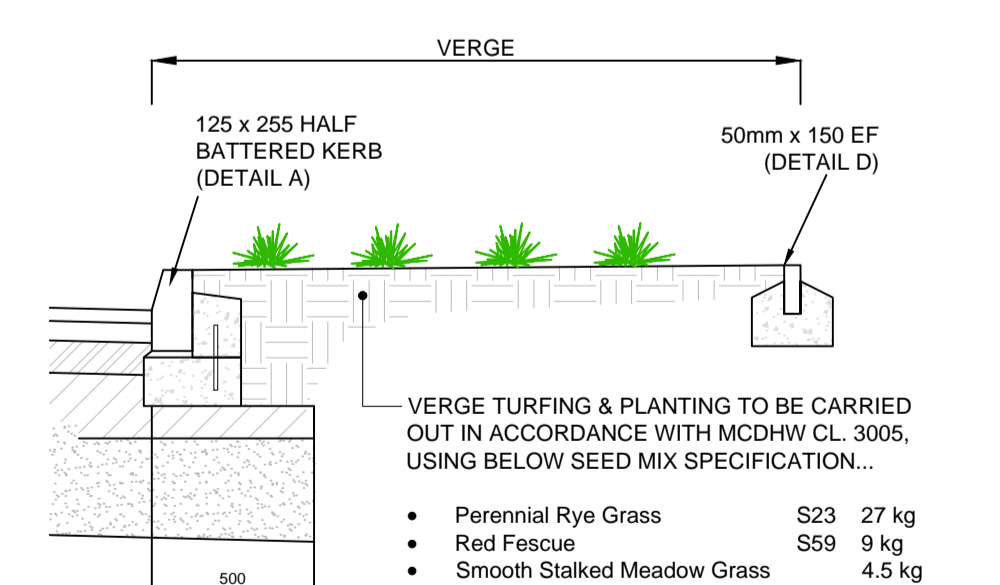
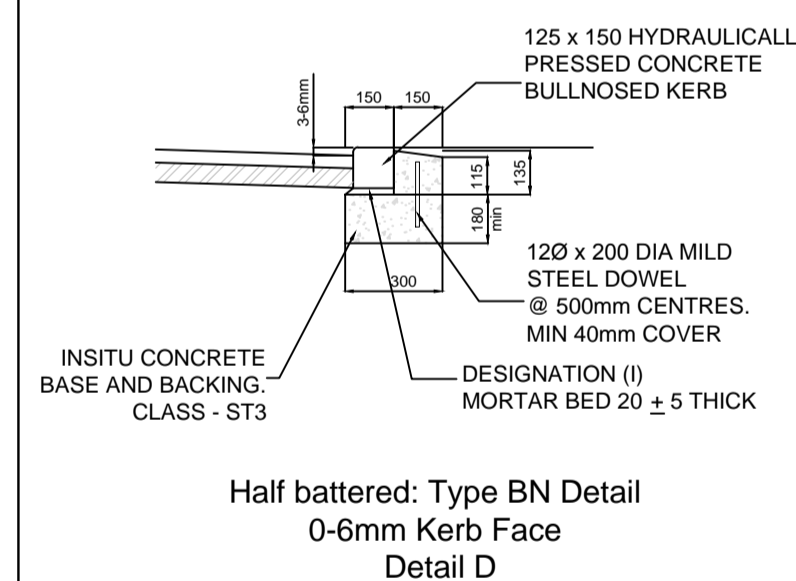
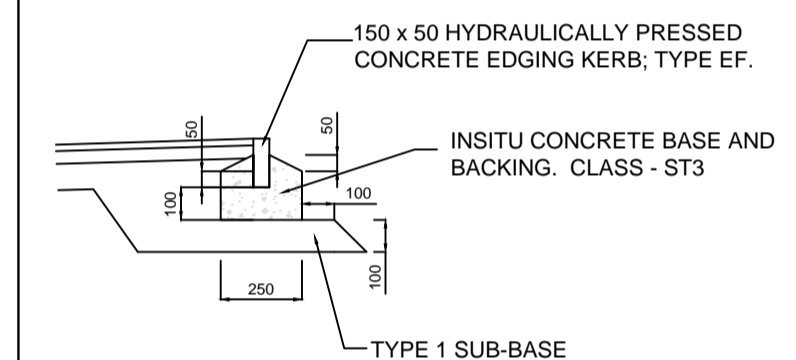
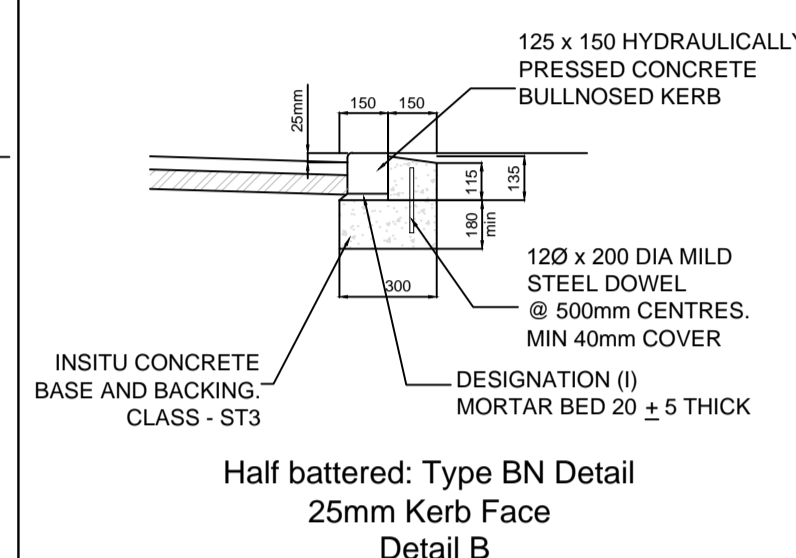
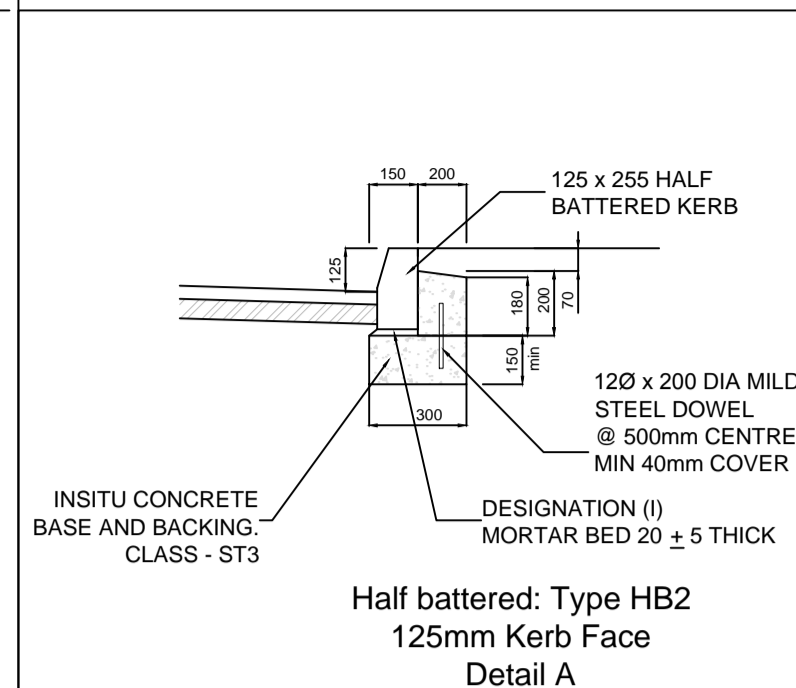


RUMBLE STRIP CONSTRUCTION DETAIL



PRIVATE DRIVE (PERMEABLE AREAS)
CONSTRUCTION DETAIL (NTS)

PLEASE NOTE - ALL PERMEABLE BLOCK PAVING TO BE LAID IN ACCORDANCE WITH THE BLOCK MANUFACTURERS STANDARD DETAILS & SPECIFICATION



GRASS VERGE SPECIFICATION

REFER TO ENGINEERING LAYOUT PLAN & KERBING AND SURFACING PLAN FOR LOCATIONS

The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection points before work starts. The Contractor is to comply in all respects with current Building Legislation, British Standard Specifications, Building Regulations, Construction (Design & Management) Regulations, Party Wall Act, etc. whether or not specifically stated on this drawing. This drawing must be read with and checked against any structural, geotechnical or other specialist documentation provided. This drawing is not intended to show details of foundations, ground conditions or ground contaminants. Each area of ground relied upon to support any structure depicted (including drainage) must be investigated by the Contractor. A suitable method of foundation should be provided allowing for existing ground conditions. Any suspect or fluid ground, contaminants on or within the ground, should be further investigated by a suitable expert. Any earthwork constructions shown indicate typical slopes for guidance only & should be further investigated by a suitable expert. Where existing trees / structures are to be retained they should be subject to a full specialist inspection for safety. All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings. A suitable method of foundation is to be provided to accommodate the proposed tree planting. Residential & Commercial Engineering Limited do not accept any responsibility for any losses (financial or otherwise) to any Client or third party arising out of the Clients (the Developer or Contractor but not limited thereto) non-compliance with above mentioned provisions. © This drawing is the property of Residential & Commercial Engineering Limited and may not be copied or used for any purpose other than that for which it is supplied without the express written authority of Residential & Commercial Engineering Limited.

Notes:
ROAD 1 - TRADITIONAL ROAD CONSTRUCTION TO SCC SPEC

ROADS 2,3,4 - BLOCK PAVED (SUD's) CONSTRUCTION WITH INFILTRATION SUB-BASE.

Rev	Description	Date	Drawn	Check
A	Private drive porous block paved construction updated.	18.09.17	SM	#

Revisions:



Drawing Status:
Subject to the following approvals:
R1: Subject to Technical Approval from Staffordshire CC Highways
R2: Subject to Technical Approval from Severn Trent Water
R3: Developer to complete application/approval with STW
R4: Consent to Discharge - Developer to complete application/approval with SCC Land Drainage Team

Client:
LIONCOURT HOMES

Project:
Tattenhill Lane, Branston

Title:
PRIVATE ROAD CONSTRUCTION DETAILS

Job Number:
RACE/LCH/TLB
Drawing No.:
ENG_251
Revision:
A

Scale:
NTS @ A1
Date:
May '17
Drawn by:
SM
Checked by:
#

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