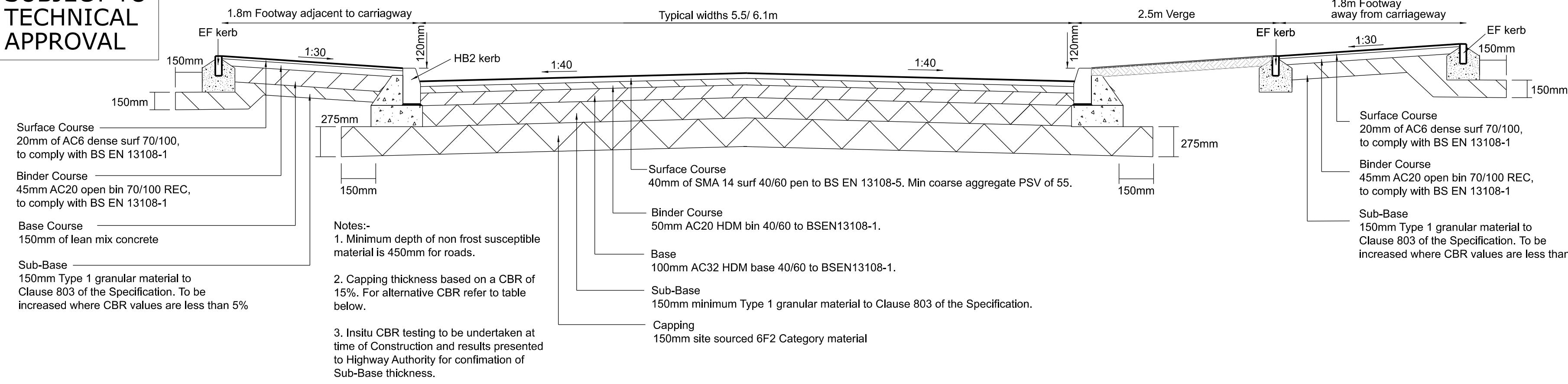
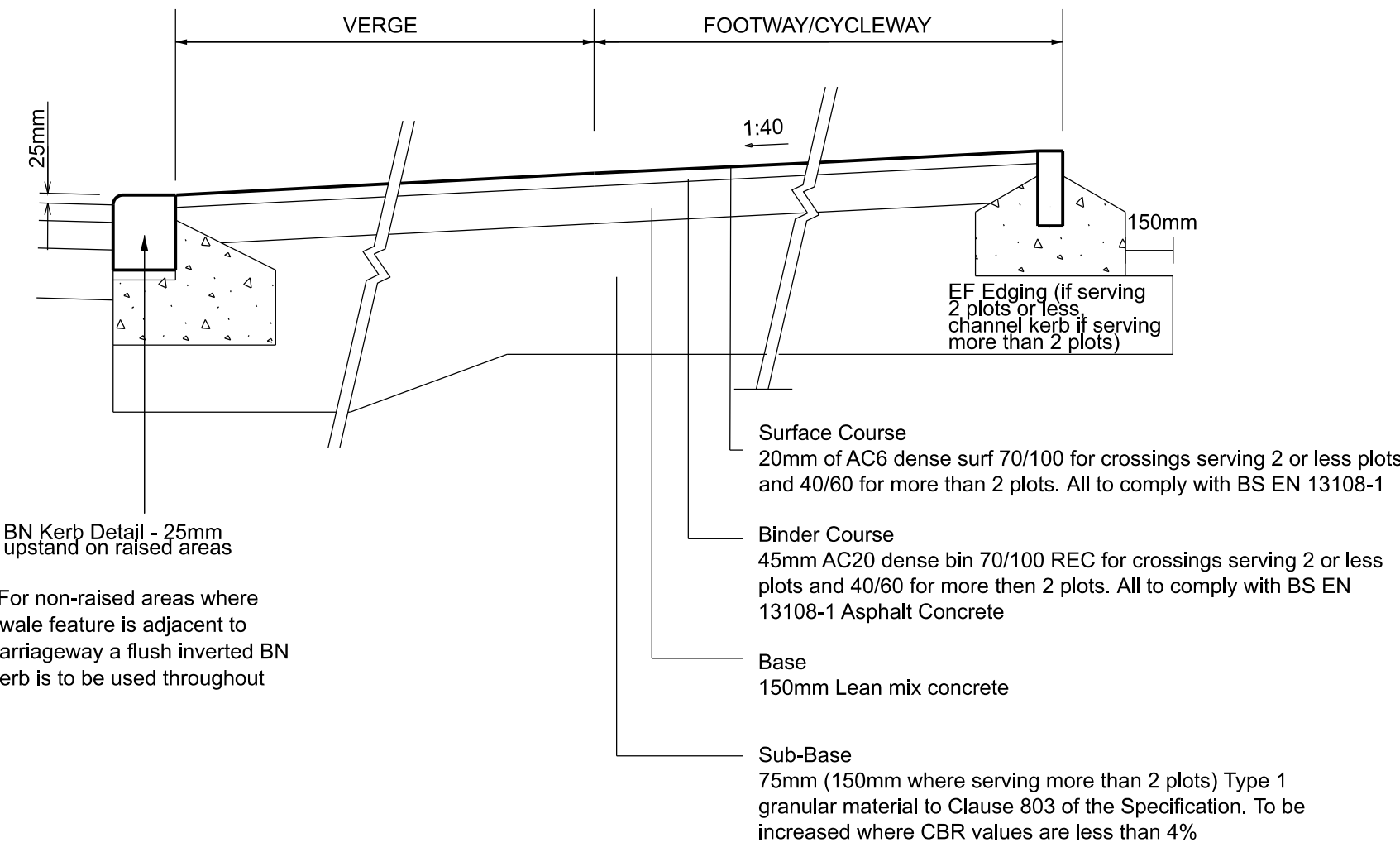


**SUBJECT TO TECHNICAL APPROVAL**

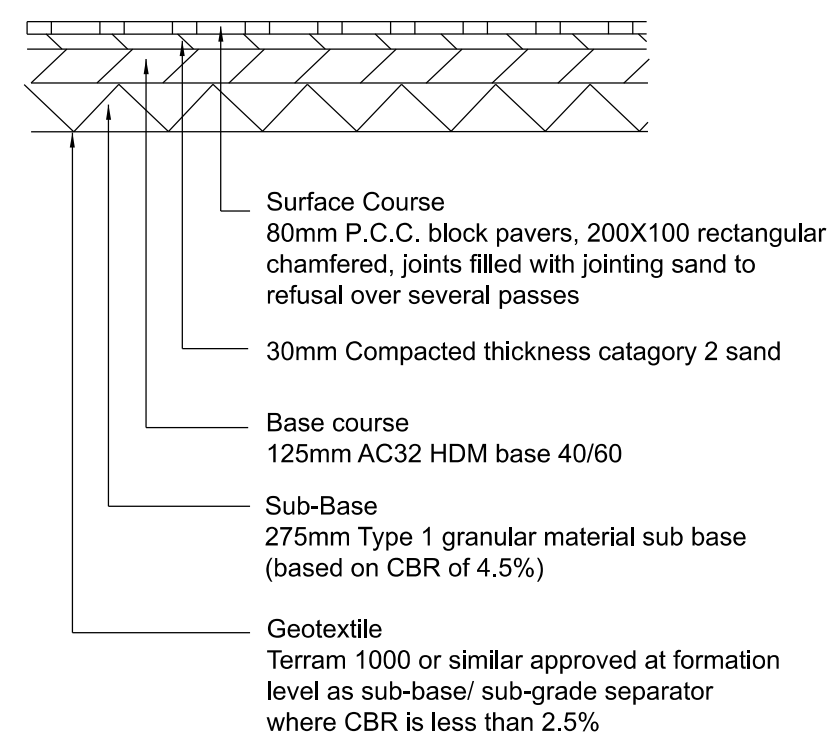


**BLACKTOP CONSTRUCTION DETAIL**

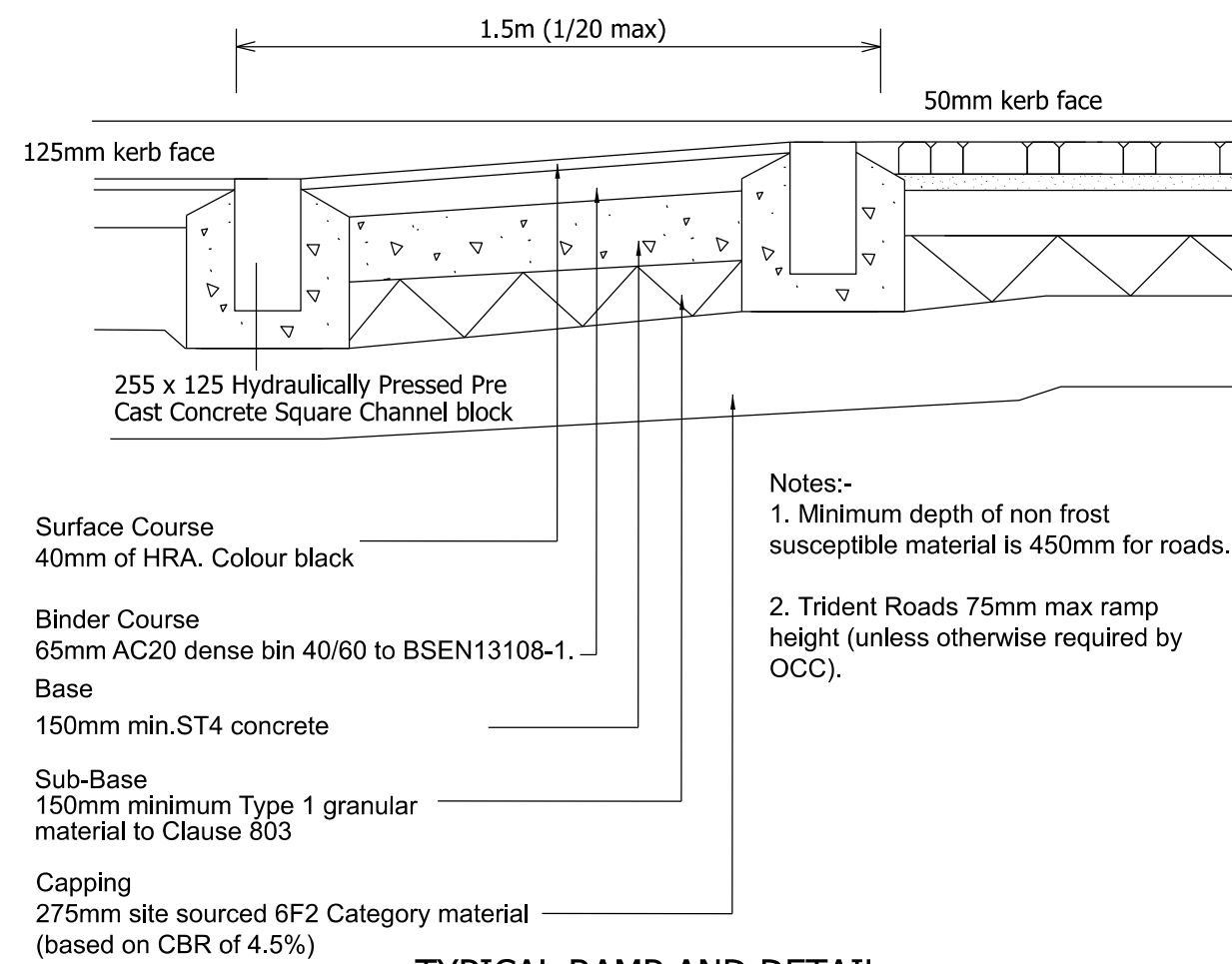
CBR	Capping thickness
2%	600mm
2.5%	400mm
3%	360mm
4%	300mm
5%	250mm
6%	240mm
7%	220mm
8%	210mm
9%	200mm
10%	190mm
11%	175mm
15% or more	150mm



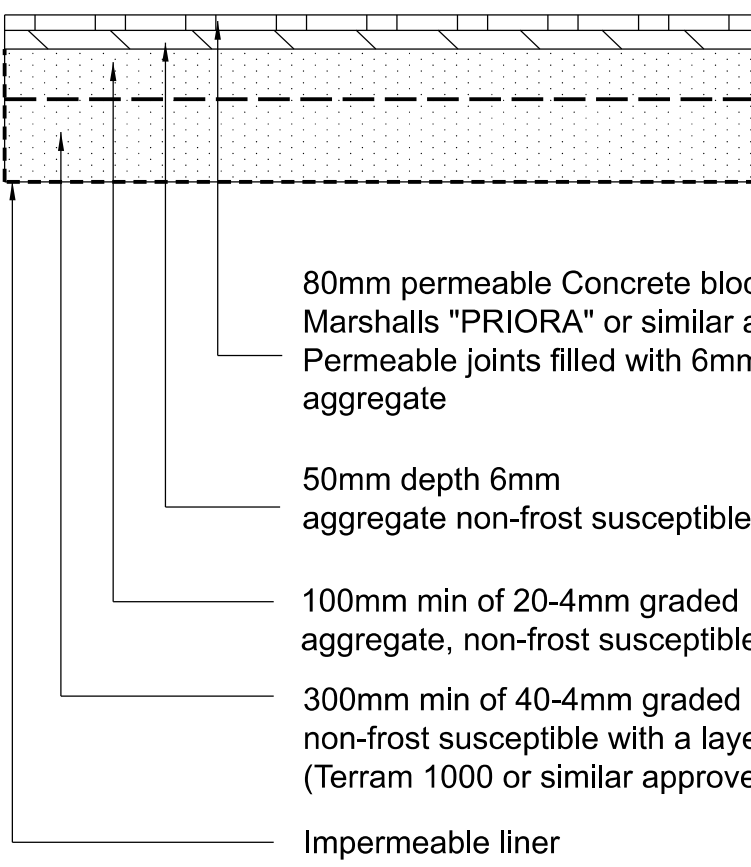
**VEHICULAR CROSSING DETAIL WITH VERGE**



**ADOPTABLE BLOCK PAVING**



**TYPICAL RAMP AND DETAIL**



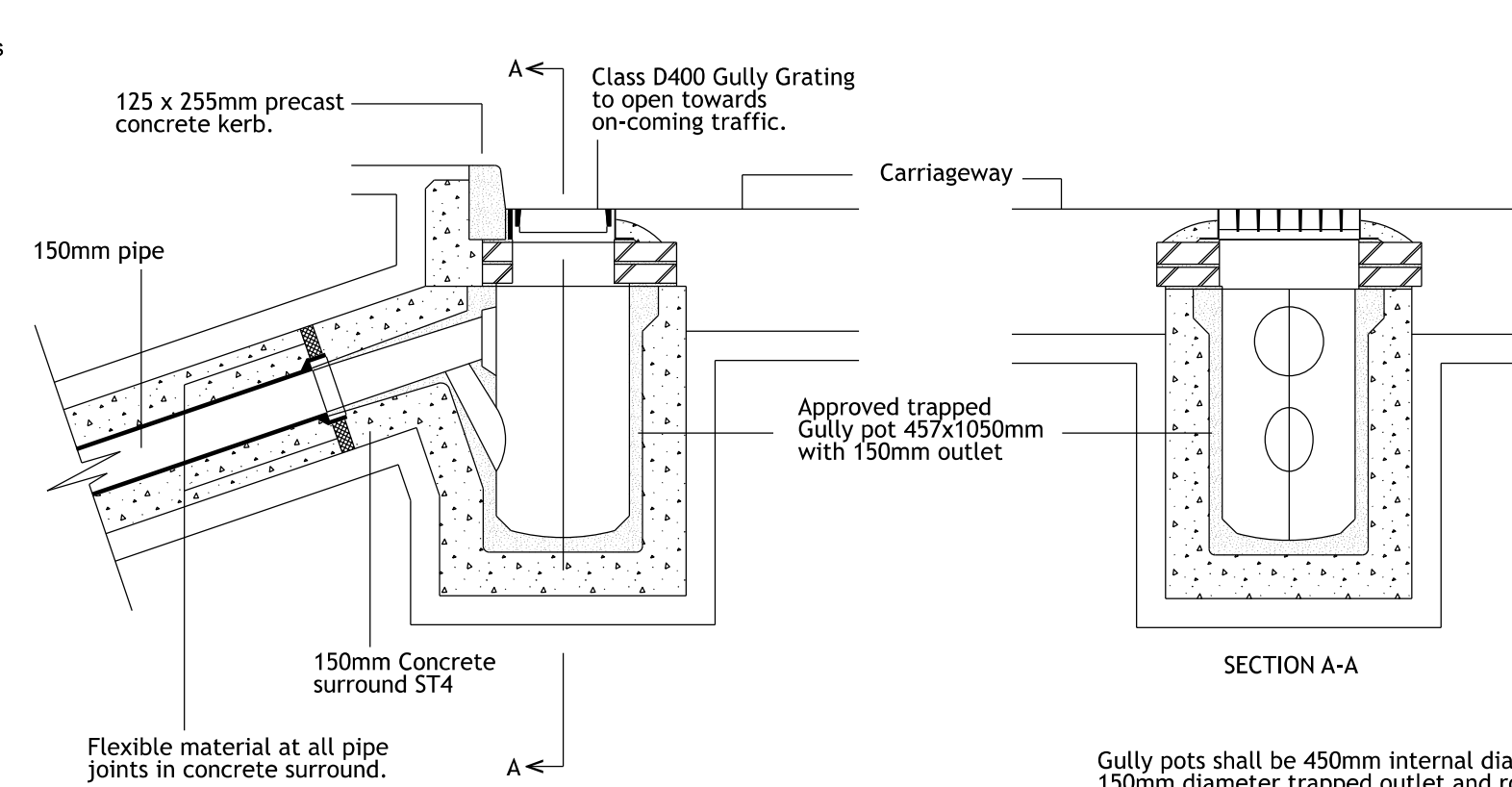
Note: Porous paving in front of plots 27-30 to have 420mm of 40-4 graded aggregate due to increased storage requirements

**LIGHT DUTY POROUS BLOCK PAVING**

For heavy duty porous paving details include 200mm DBM above the 40-4mm aggregate. DBM to be drilled in accordance with manufacturers specifications

Notes:-  
1. Minimum depth of non frost susceptible material is 450mm for roads.  
2. Blockwork pattern to be 45 degree herringbone.  
3. Manhole covers in raised tables should be aligned with block pattern

**TYPICAL BLOCKWORK OVER-RUN DETAIL**



All gully pots to BS 5911 Pt 2. All grates and frames to comply with BS EN 124 450mm in width. They shall be straight bar pattern. Gully grating and frames in access ways to be 325mm in width.

The gratings and frames shall be bedded using Designation (i) mortar and set on minimum two courses and a maximum of 4 courses of Class B engineering bricks so that the top of the frames is below the finished channel level within the tolerance of -5mm to +10mm where measured adjacent to the kerbing. The gully frames shall be set to the carriageway gradient. Where the carriageway is constructed to the base course level for use as builders road, the gully frames should initially be set to base course level.

Class D400 gully grating and frame to open towards on-coming vehicles and be single piece, hinged, non-rock type to BS EN 124 (size 370 x 450mm) minimum waterway area 1000sqcm with straight bar pattern

**GULLY DETAIL**

Gully pots shall be 450mm internal diameter by 1050mm deep with 150mm diameter trapped outlet and rodding eye with C-1 stopper and chain. They shall be of an approved manufacture in precast concrete to BS 5911, salt glazed ware or Clayware to BS 65 and shall be laid with 150mm thickness of ST4 concrete. Connections to the sewer shall be by 150mm diameter clay or concrete pipes bedded on 150mm concrete and surrounded with ST4 concrete to a thickness of 150mm when the cover to the pipes is less than 1.2m.

Gullies should preferably connect directly into manholes, but, if this is not appropriate, they shall be connected to the main pipe by means of 45 degree oblique angled junctions, and surrounded by ST4 concrete to a thickness of 150mm. Gully connections shall not be longer than 20m.

**NOTES**

- Contractors must check all dimensions on site. Only figured dimensions are to be worked from. Discrepancies must be reported to the Architect or Engineer before proceeding. © This drawing is copyright.
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- Until technical approval has been obtained from the relevant authorities, all drawings are issued as preliminary and not for construction. Should the Contractor commence site work prior to approval being given it is entirely at his own risk.

**SAFETY, HEALTH AND ENVIRONMENTAL**

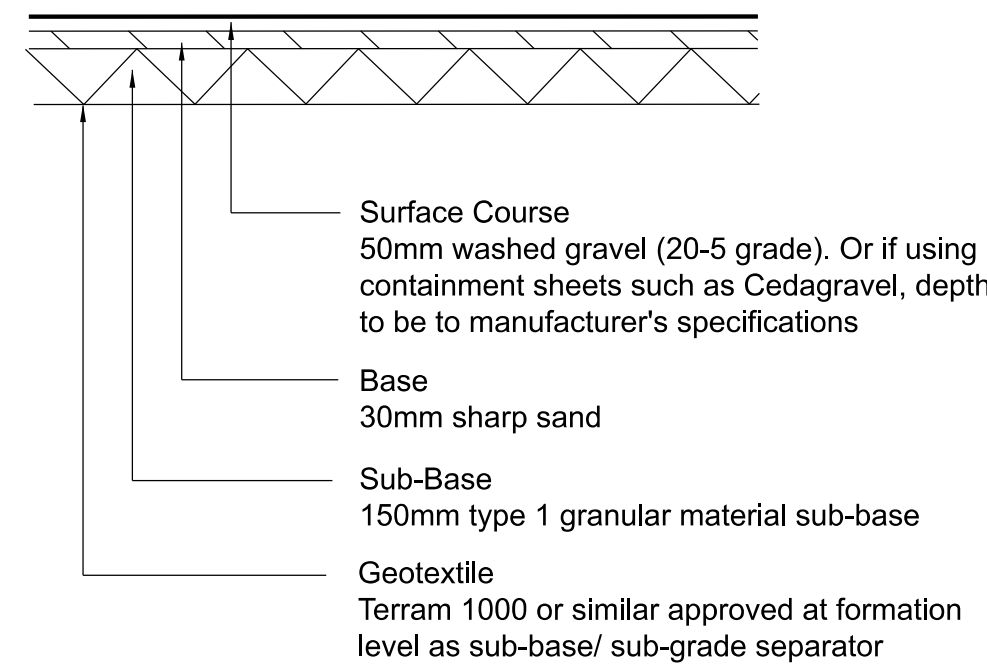
In addition to the hazards, risks normally associated with the type of work detailed on this drawing, note the following significant risks and information.

**Construction:**

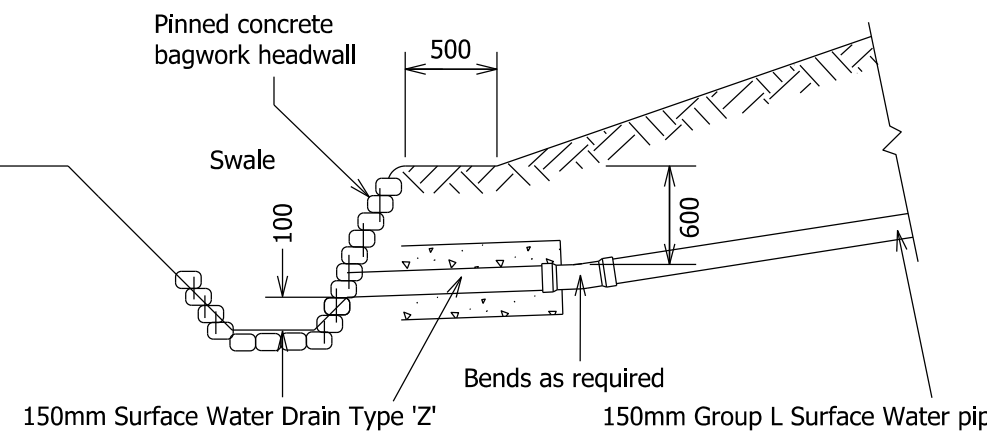
- Live services below and above ground.
- Retention of pedestrian routes. (S278 Works)
- Works in vicinity of existing protected trees.
- Location of survey controls within live highway.
- Slope stability of deep excavations.
- Works to live sewers.
- Possible presence of buried live explosives.

For information relating to end use, maintenance and demolition, see the health and safety file.

It is assumed that all works will be carried out by a competent Contractor, where appropriate, to an approved method statement.



**PERMEABLE DETAIL**



**GULLY TO SWALE CONNECTION DETAIL**

B	REVISED TO SUIT S38 TECH REVIEW COMMENTS	BA	AT	01.09.20	
A	TYPICAL RAMP DETAIL UPDATED TO SUIT TRIDENT COMMENT	CG	AT	17.07.19	
REV	DESCRIPTION	DRN	CHD	DATE	
<input checked="" type="checkbox"/>	PRELIMINARY	<input type="checkbox"/>	INFORMATION	<input type="checkbox"/>	TENDER
<input type="checkbox"/>	CONSTRUCTION	<input type="checkbox"/>	AS BUILT		

SCALE N.T.S @ A1 DATE APRIL 2019

DRAWN CG CHK AT

DRAWING NO. HEYF-5-1277 REV B

TITLE CAMP ROAD UPPER HEYFORD

DETAILS PHASE 9 S38 TYPICAL ROAD DETAILS

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PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS DRAWING