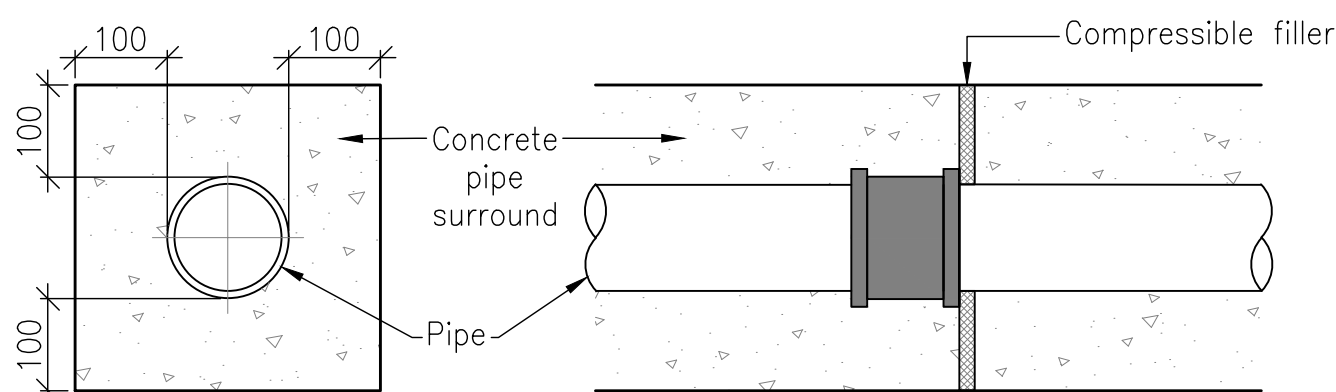
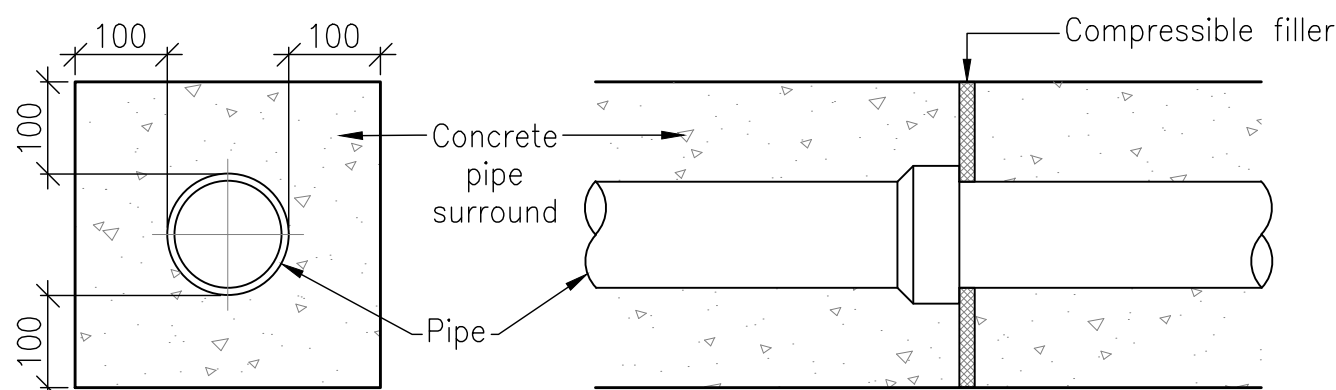
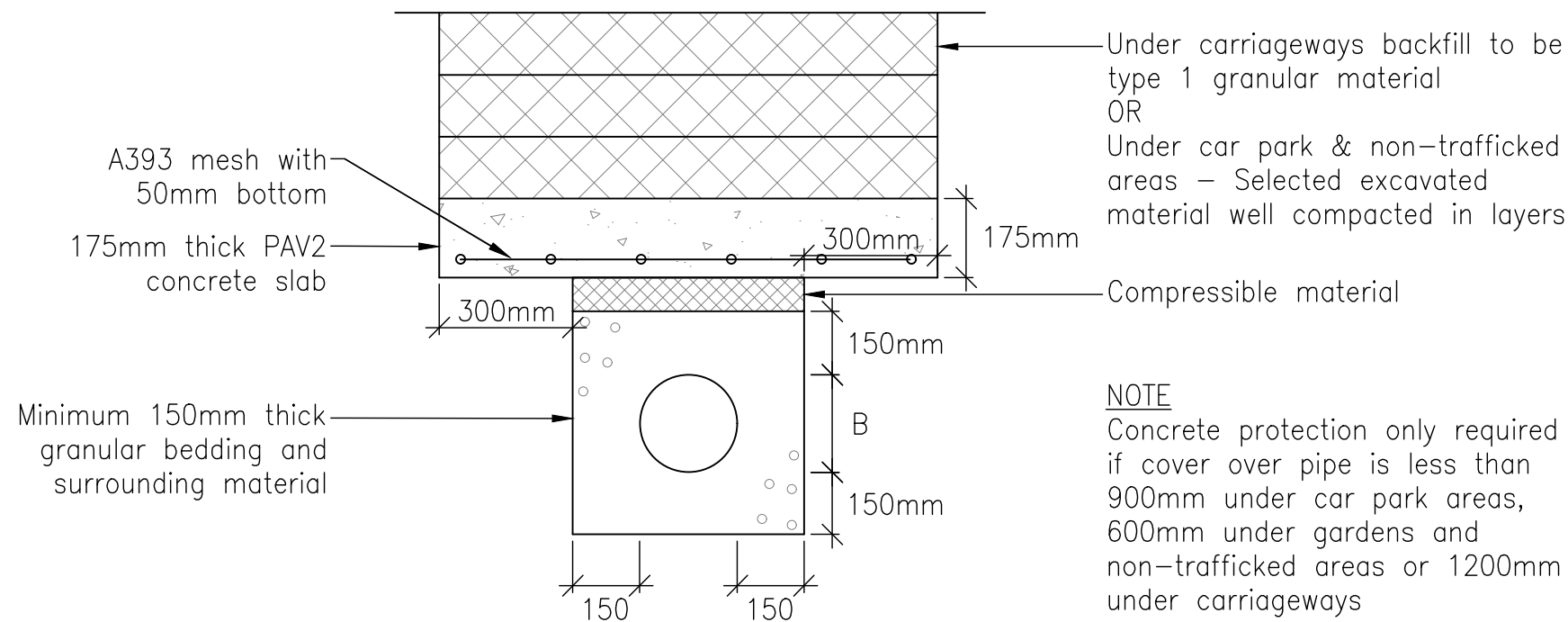
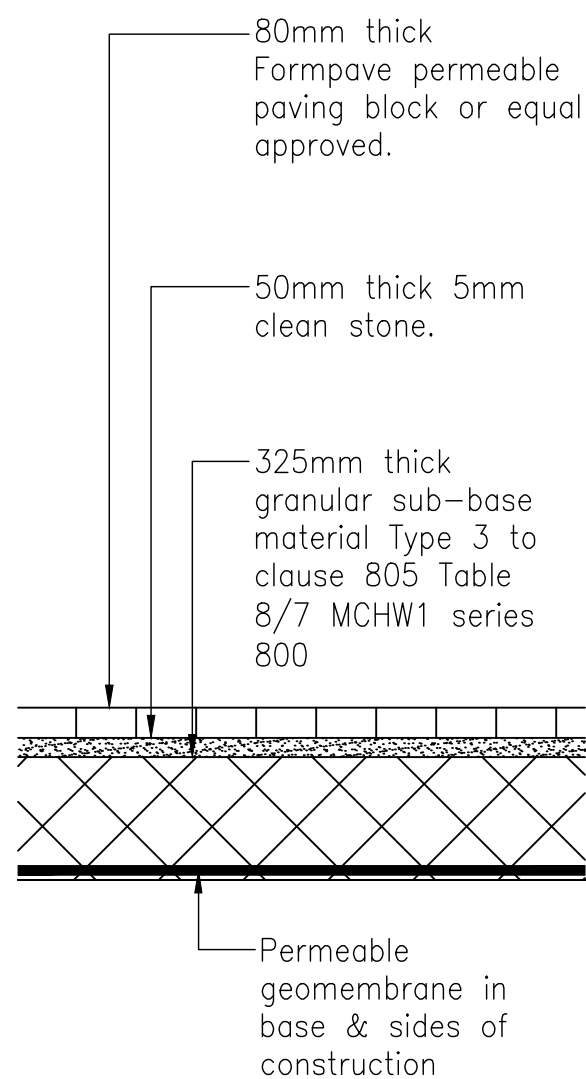




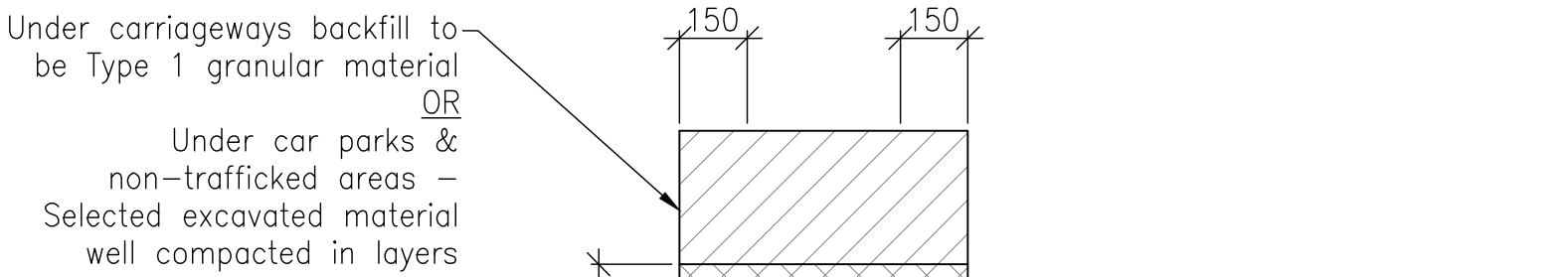
PROTECTION OF PIPES LAID AT SHALLOW DEPTHS



PERMEABLE DRIVEWAY CONSTRUCTION (Suitable for cars and light vehicle use)

- Notes:
1. Permeable paving parking bays to be installed to the manufacturers recommendations and requirements.
 2. The designs are based to a CBR value of 2–3%. On site testing should be carried out to determine CBR value before construction. A capping layer beneath geomembrane may be required if CBR is low.
 3. Prior to construction, a check on the ground's frost susceptibility should be made. If prone, a minimum of 450mm depth construction must be provided for all hard surfaced areas. This will be achieved using capping (6F5 or equal approved) material to bring the overall depth to 450mm.

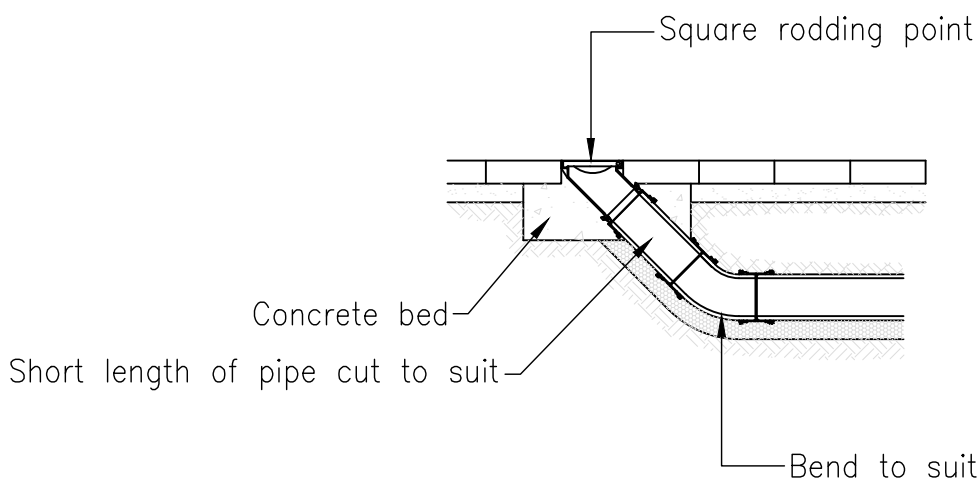
Road sub-base layer	
CBR value	Sub-base
less than 2%	Subgrade requires improvement
2–3%	325mm
3–5%	250mm
5 to 7%	150mm
7 to 20%	100mm
The top 450mm has to be materials that are not frost susceptible	



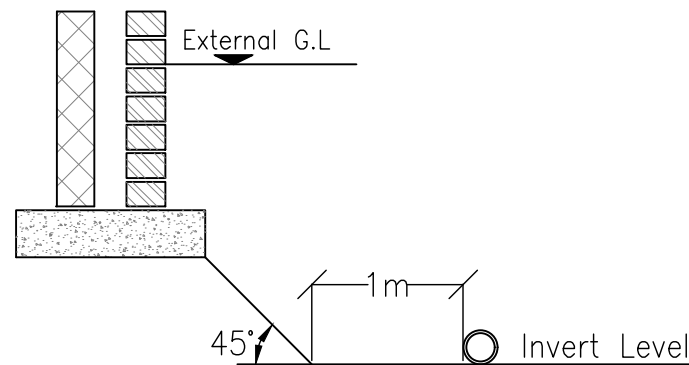
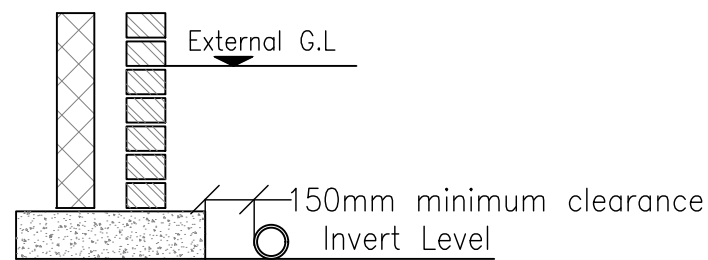
* Class 'S' bedding depth to be 1/6 pipe dia. or 100mm, whichever is the greater.

Nominal Pipe Size DN (mm)	Pipe Bedding Requirement Size of Aggregate (mm)
150	14 to 5
225 – 525	20 to 5

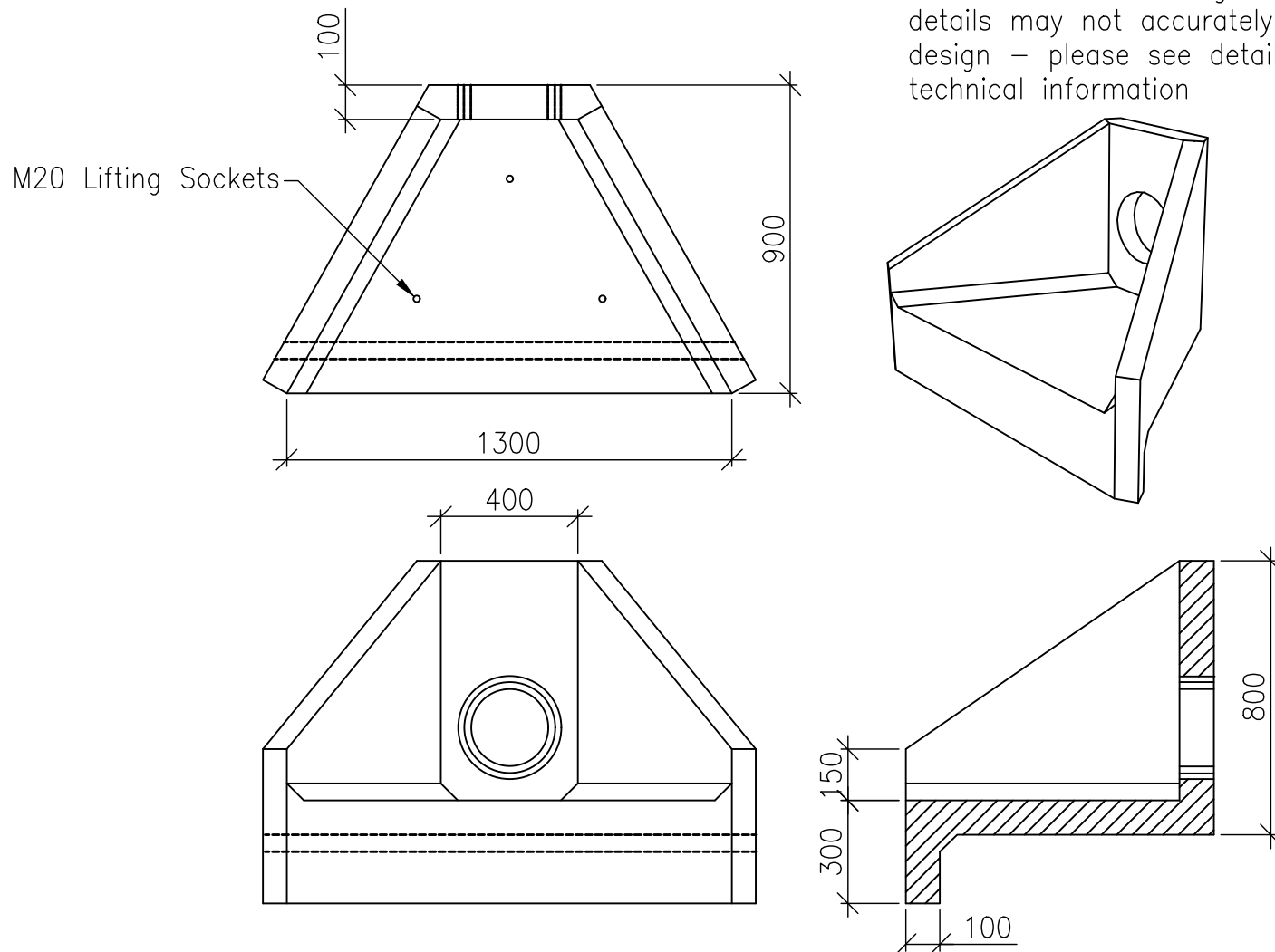
CLASS S BEDDING Scale 1:20



RODDING POINT



BUILDING WITHIN 3M OF DRAIN



ALTHON H3C HEADWALL

Note: Isometric drawing is for reference only, details may not accurately represent actual design – please see detailed views for technical information