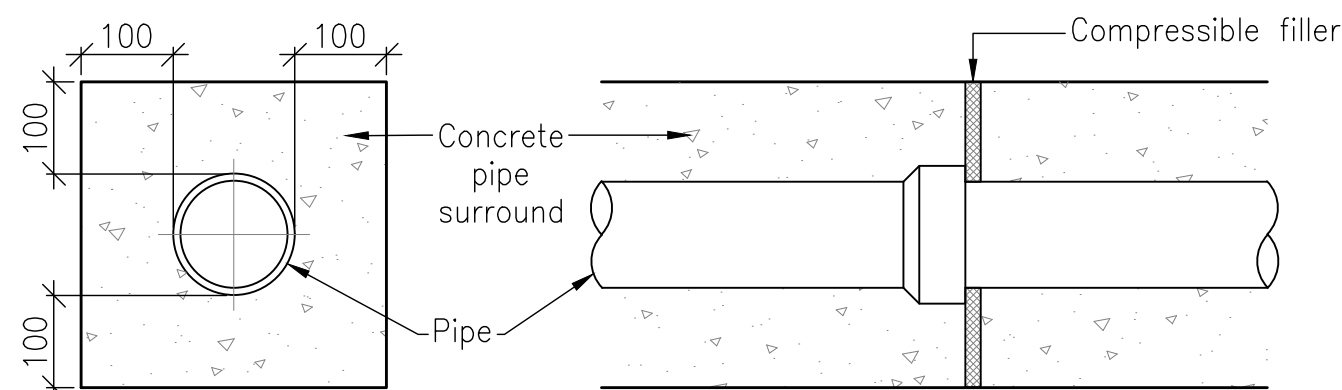
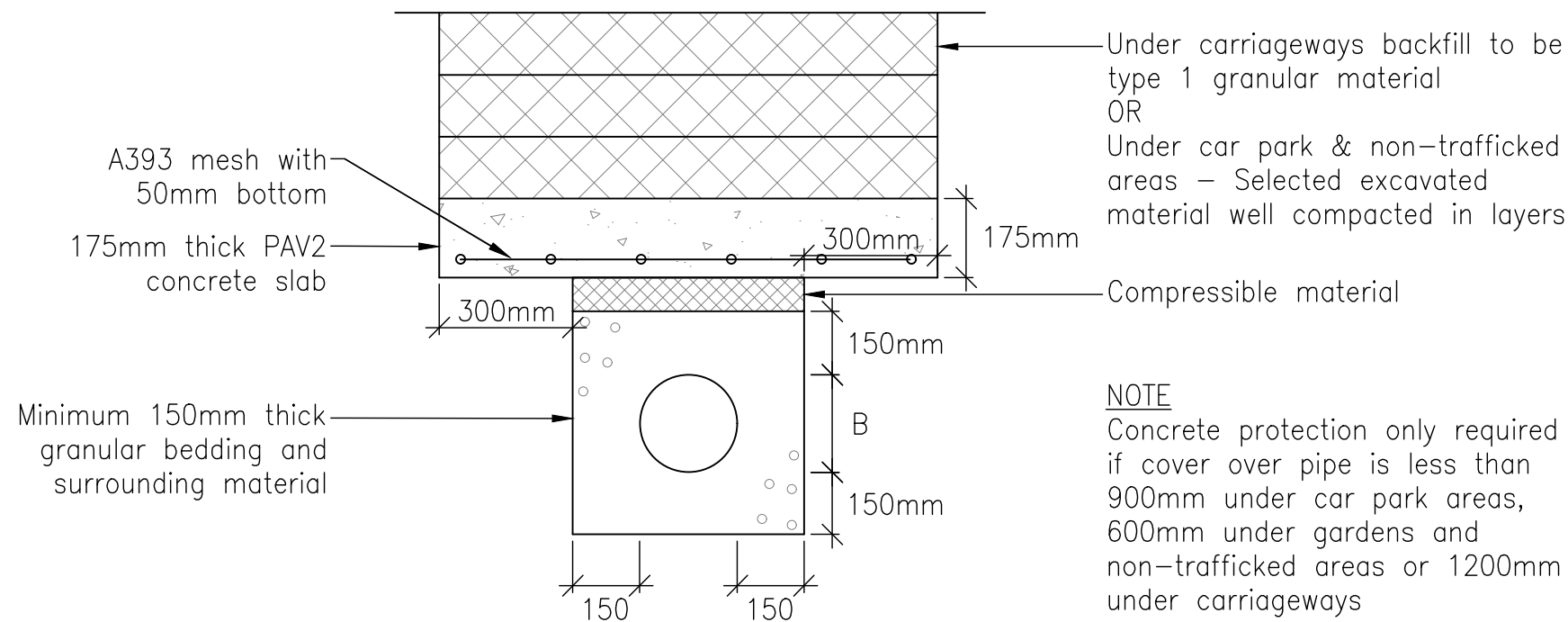
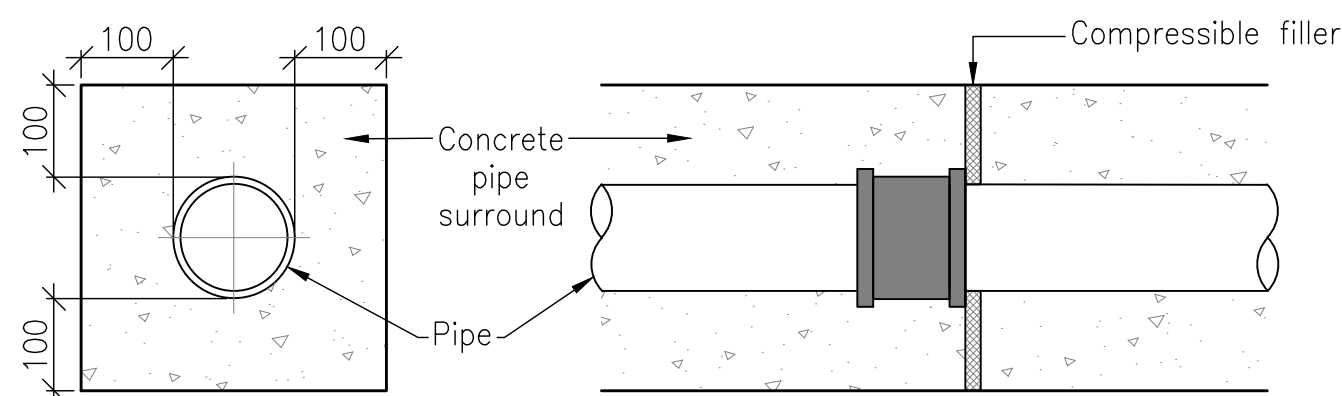


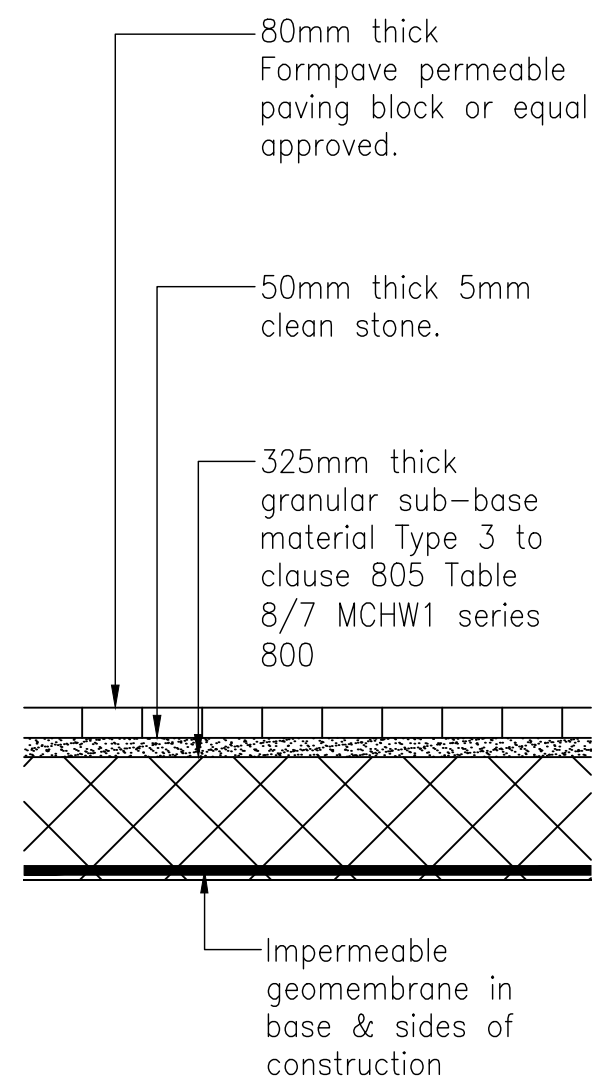


SPIGOT AND SOCKET JOINT



SLEEVE JOINT

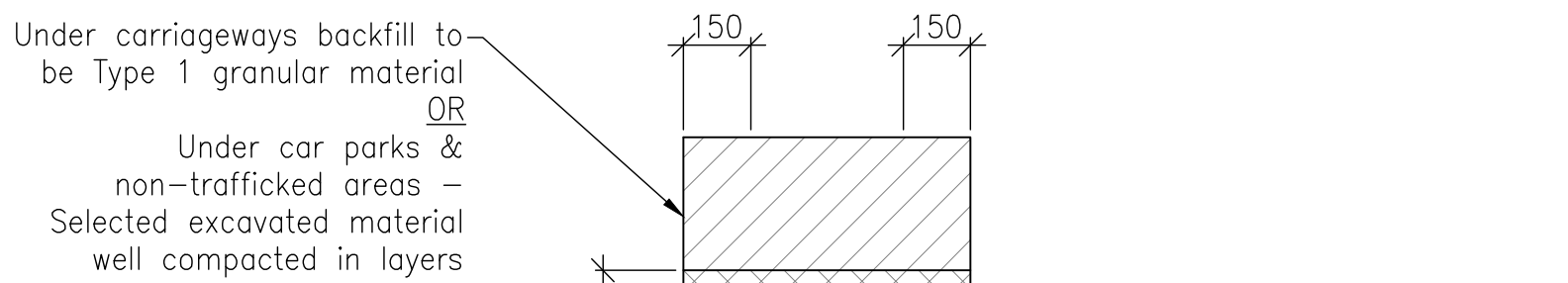
PROTECTION OF PIPES LAID AT SHALLOW DEPTHS



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.

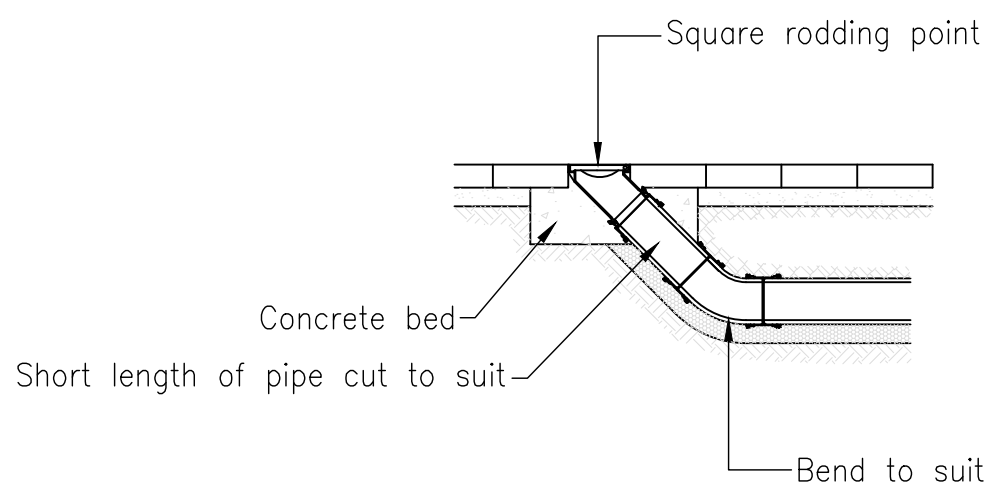
Road sub-base layer	
CBR value	Sub-base
less than 2%	Subgrade requires improvement
2–3%	325mm
3–5%	250mm
5 to 7%	150mm
7 to 20%	100mm
The top 450mm has to be materials that are not frost susceptible	



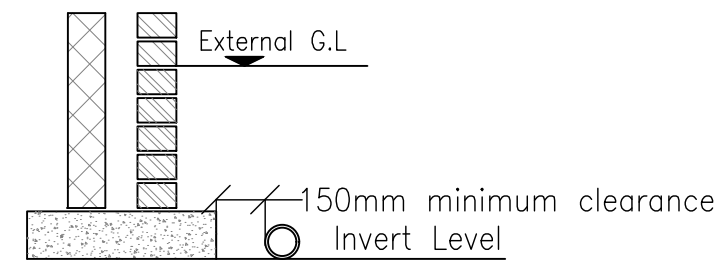
* Class 'S' bedding depth to be 1/6 pipe dia. or 100mm, whichever is the greater.

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

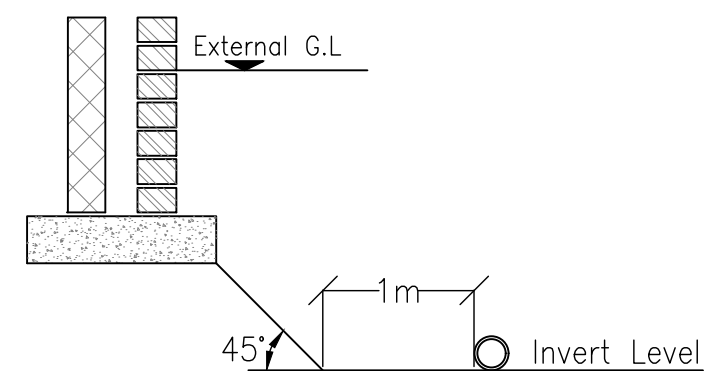
CLASS S BEDDING
Scale 1:20



RODDING POINT

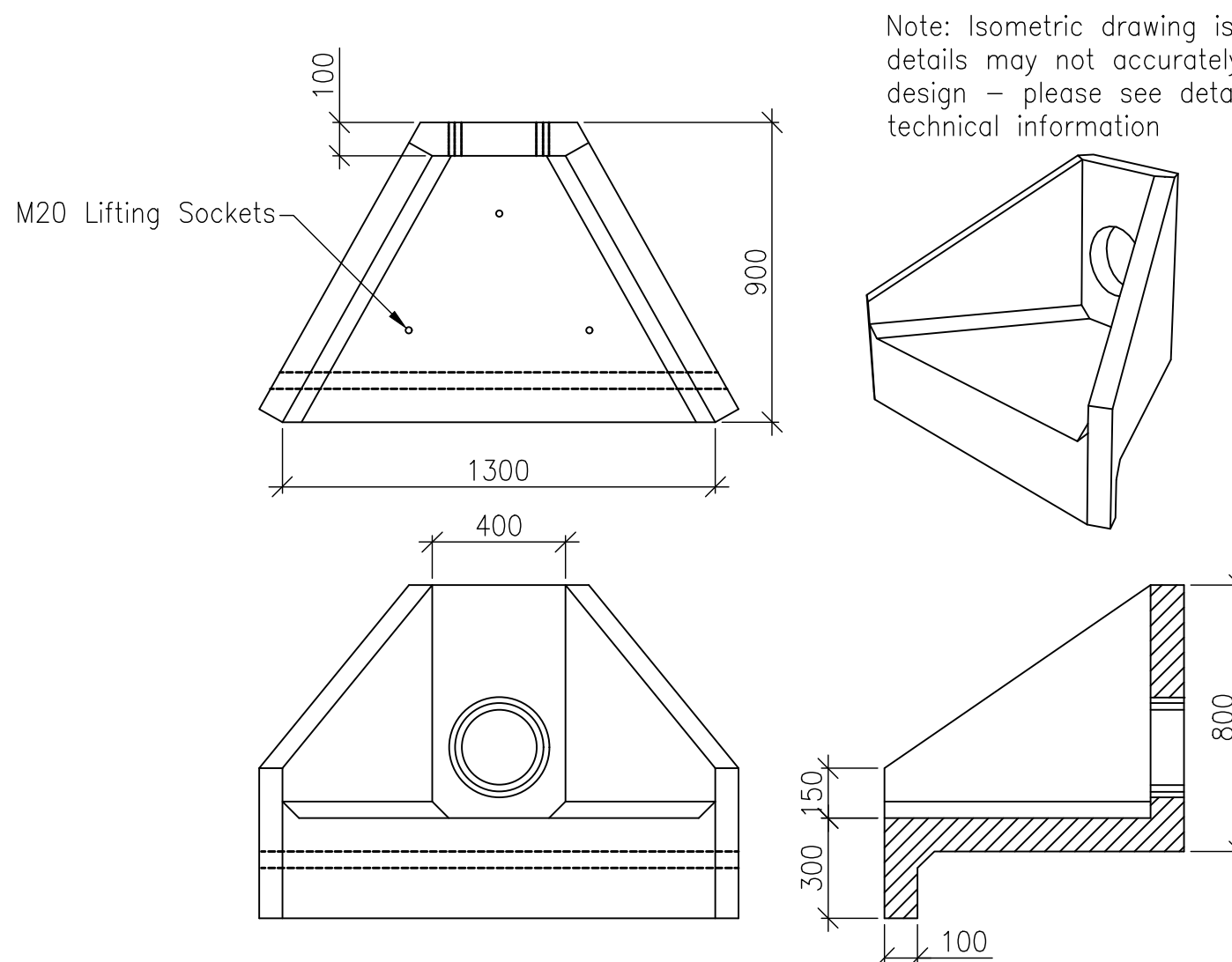


Foundation less than 1m from Public Sewer:
Carry Foundations down below invert level of Sewer



Foundation more than 1m from Public Sewer:
Angle of 45 degrees can be taken from a point 1m clear of the Sewer up to the required footing level.

BUILDING WITHIN 3M OF DRAIN



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

ALTHON H3C HEADWALL

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DWS DRAWINGS, CALCULATIONS, REPORTS AND SPECIFICATIONS (WHERE APPLICABLE) AND, ALL OTHER RELEVANT ENGINEERS, ARCHITECTS & SPECIALIST DESIGN DETAILS.
2. **STANDARD NOTES & DETAILS:**
Refer to drawing number 0–170 onwards for standard notes – CIVIL
Refer to drawing number 0–180 onwards for standard details – CIVIL

P2	Updated geomembrane on build up	01.12.23	LM
P1	First issue	28.11.23	LM

Ref	Revision	Date	By
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Issue	PRELIMINARY
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Project Title	LITTLE INDIA RESTAURANT, 7 MAIN STREET PECKLETON
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Drawn	Engineer	Checked
LM	LM	RAS
Scale at	Date	
1:20 @ A1	NOV 2023	

Drawing Title	DRAINAGE DETAILS - SHEET 2
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Project No.	Drawing No.	Revision
23-20082	0-181	P2
BIM Code		

NOT FOR CONSTRUCTION