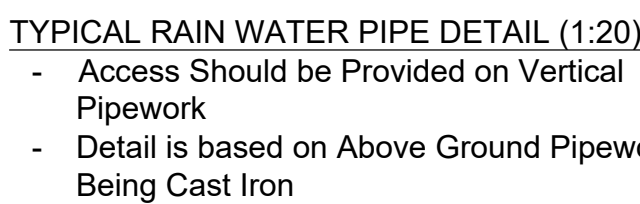
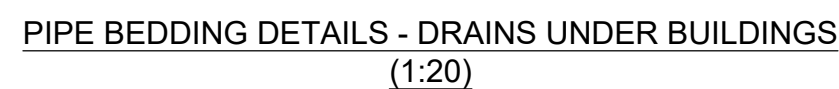


[illegible]

TABLE TO SHOW DIMENSIONS FOR BEDDINGS
AND TRENCH WIDTHS



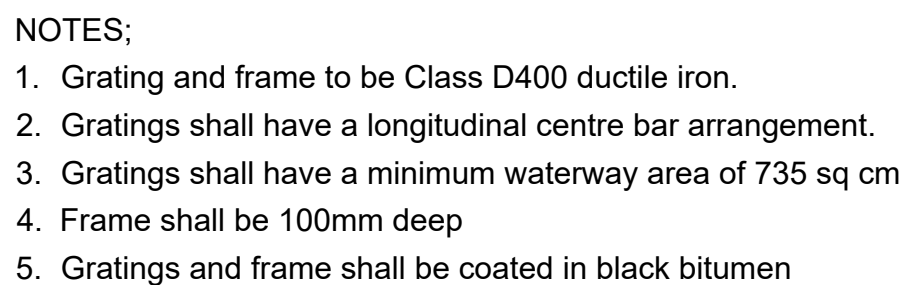
1. All dimensions are in millimetres unless stated otherwise.
2. All below ground concrete and concrete products will satisfy sulphate classification 2 of the '300 degree' 363 and consist of o.p.c. minimum cement content of 350 kg/m³ or s.r.p.c. minimum cement content of 250 kg/m³.
3. All insitu concrete to comply with BS 8500.
4. All precast concrete slabs to comply with BS 5911: Pt 200 (and be steel marked).
5. Where Class A bedding is used for protection to pipe joints, each flexible joint in the concrete surround shall be interrupted over its full cross-section with a shaped compressible filler.
6. Where pipes are surrounded in concrete, pipe joints are to be protected by the use of rings of concrete fast by wrapping them in polythene sheet.
7. Manholes to be constructed with precast cylindrical concrete rings.
8. All precast concrete slabs and rings shall be bedded or jointed using a mortar, proprietary bedding, or resin mast seal.
9. Manhole construction to be watertight.
10. High strength (granolithic) concrete topping to be brought up to a dense smooth face, neatly shaped and finished up to all branch connections (min thickness 20mm) (finishing slope to be 1:10 to 1:30).
11. 'Step' runs to be plastic encapsulated Double Steps of Type D Class 1 in accordance with BS EN 13101. Rungs to be at least 100mm in depth from 1st Rung below shallow cover and to exceed 675mm.
12. Where pipes enter a manhole at an angle, a low profile bend is to be used. The bend should be built inside the manhole.
13. Manhole invert to be formed using a channel pipe.
14. All pipes entering or leaving a manhole or structure shall have a flexible joint 150mm from the outside face of the manhole (or structure). The next pipe shall be a 'Rocker Pipe' of length 1000mm.

Pipe Ø (mm)	Length of Rocker Pipe (mm)
150 - 600	600
675 - 750	1000
825 and over	1250

The Rocker Pipe shall have a flexible joint at both ends.

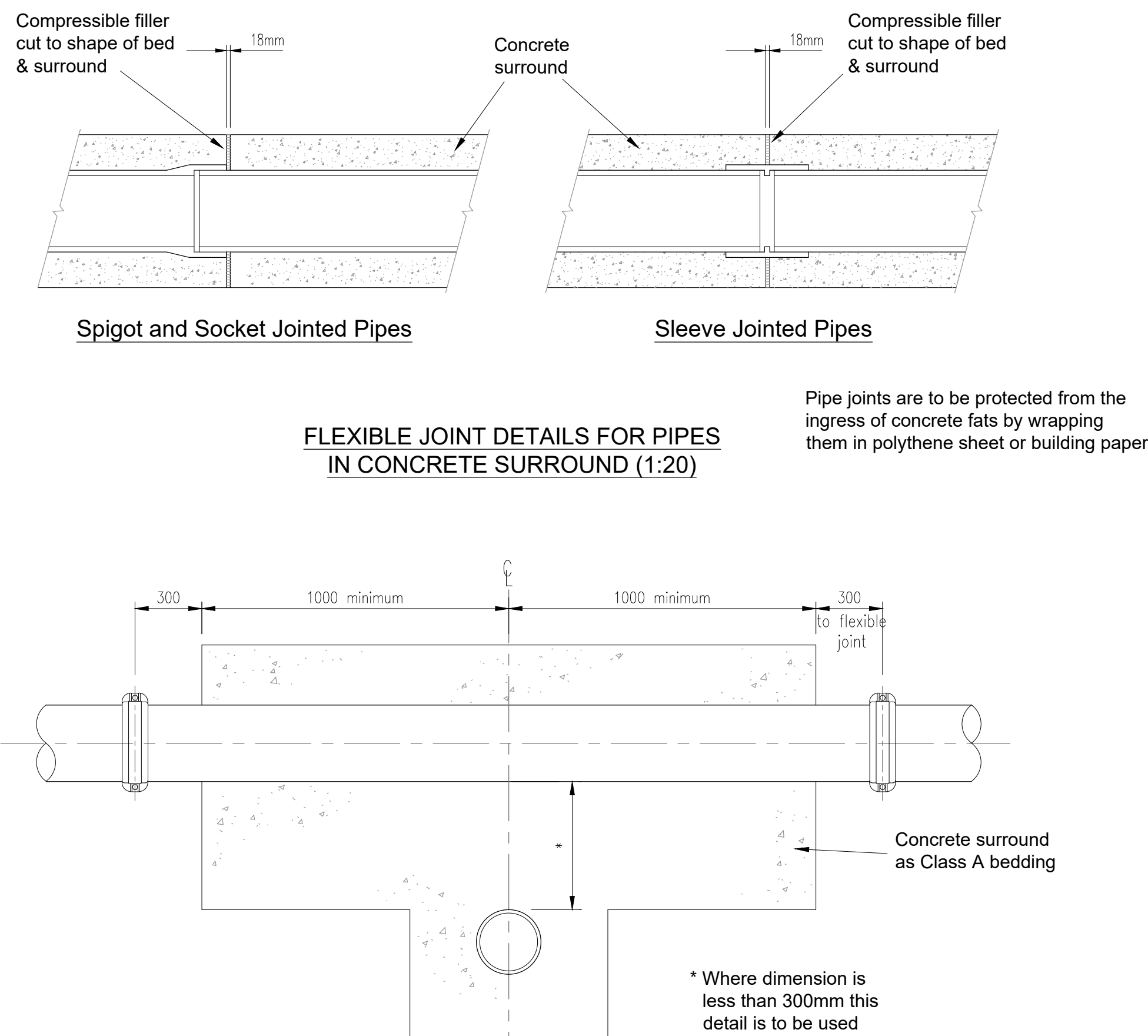
Loading	BS497	BS EN 124	BS EN 124
	Grade / load test	Class	Test Load
Group 6	-	F900	900kN
Group 5	-	E600	600kN
Group 4	D / 400kN A / 350 kN	D400	400kN
Group 3	-	C250	250kN
Group 2	B / 150kN	B125	125kN
Group 1	C / 10 kN	A15	15kN

16. Manhole cover types are specified in the Manhole Schedule (eg solid, recessed or vented etc).
17. Unless stated otherwise, all internal manhole covers are to be double sealed, locking and recessed to take floor finishes.
18. Levelling of manhole covers to be achieved using engineering brickwork (4 courses max. 2 courses min), or pcc cover frame seating rings.

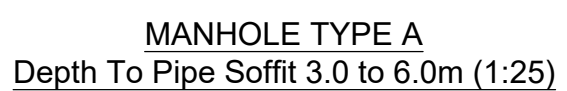
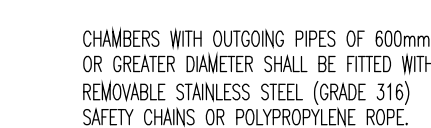


TRAPPED ROAD GULLY (1:20)

- Gullies in Footways or pedestrianised areas;
1. Grating and frame Class to be as above (D400) unless specified differently in the works information.
 2. Grating to be proprietary 'Pedestrian Friendly' type (with flat surface profile and accepted for use by the Engineer)
 3. Where specified as a 'Footway Gully / FG', gully is to be;
 - Trapped gully 300mm dia x 600mm deep
 - Frame to be 280mm sq with straight bars



PIPES CROSSOVER (1:20)



P01	13.01.23	PLANNING ISSUE		KHS	NP
Rev	Date	Description		By	Chk
Amendments					

ROCHDALE ROAD

DRAINAGE STANDARD DETAILS

MCGOFF CONSTRUCTION LTD



mail@valeriangroup.com www.valeriangroup.com

Sustainability		PRELIMINARY					
Designed By	NF	Director	AD	Waterman Ref	WIE		
Drawn By	NF	Date	January 2023	Scales @ A0	NTS		
Project	Originator	Volume	Level	Type	Role	Number	Revision
23C002-WSL-SI-ZZ-DR-D-92005							P01