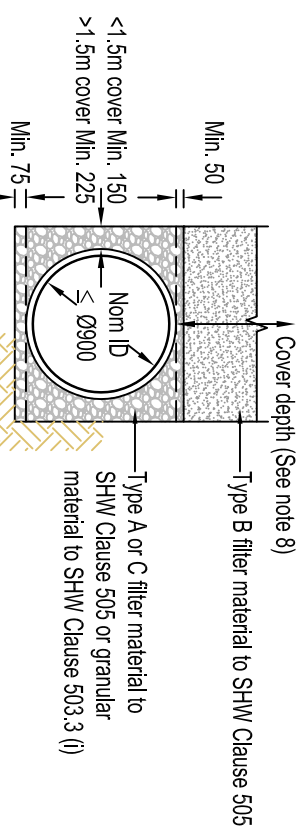
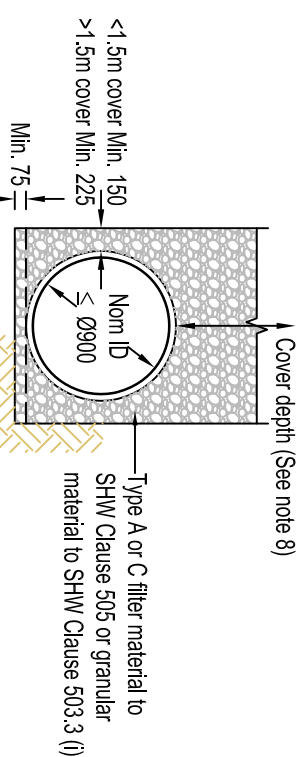


### PIPE DIAMETER $\leq \varnothing 900\text{mm}$

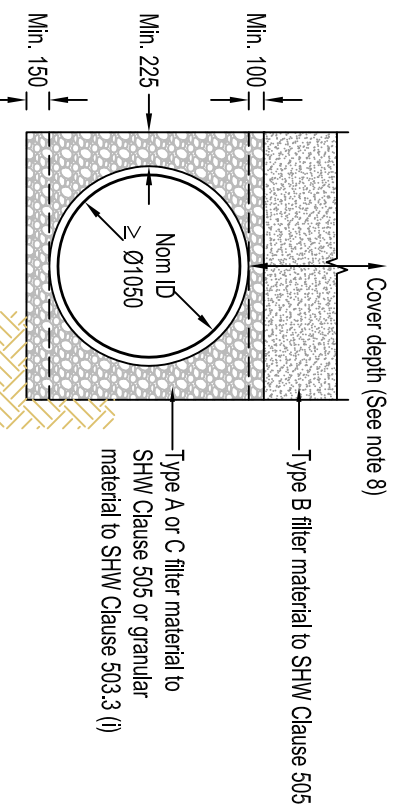


**'TYPE I' FILTER DRAIN TRENCH AND BEDDING**  
DETAIL TYPICAL CROSS SECTION  
Scale (1:50)

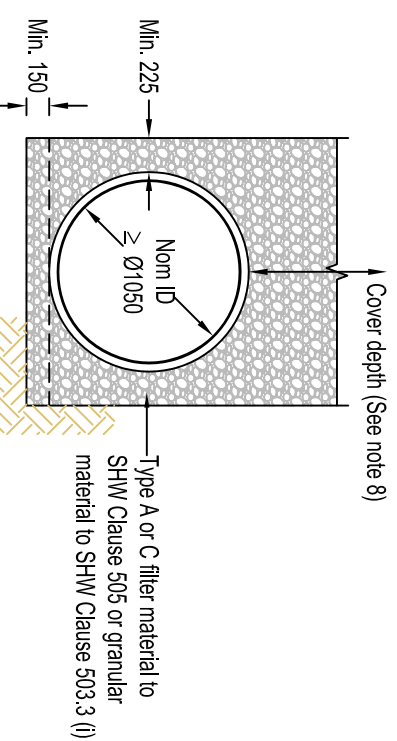


**'TYPE K' FILTER DRAIN TRENCH AND BEDDING**  
DETAIL TYPICAL CROSS SECTION  
Scale (1:50)

### PIPE DIAMETER $\geq \varnothing 1050\text{mm}$



**'TYPE I' FILTER DRAIN TRENCH AND BEDDING**  
DETAIL TYPICAL CROSS SECTION  
Scale (1:50)



**'TYPE K' FILTER DRAIN TRENCH AND BEDDING**  
DETAIL TYPICAL CROSS SECTION  
Scale (1:50)

**Table 515 -** Grading and geometrical requirements for filter drain material

	Type A	Type C
Standard	BS EN 13285	BS EN 13285
Size [mm]	0/20	
Grading and oversize categories	G <sub>F</sub> (with an additional sieve)	
Oversize category	OC <sub>80</sub>	As described in Appendix 5/1
Category for tolerances at mid-size sieves	-	
Category for maximum fines	UF <sub>3</sub>	

**Summary grading requirements**

Sieve size [mm]	Percentage by mass passing	
80	-	
63	100	
40	80 - 99	
20	50 - 90	
10	30 - 75	
4	15 - 60	
2	0 - 35	
0.500	0 - 4	
0.125	0 - 3	
0.063		
% in size fraction		
4/10	5 - 35	
2/4	5 - 35	

**NOTES**

- Filter drain material shall be in accordance with the relevant provisions of MCHW, Volume 1, Series 500, Clause 505.
- Where alternative pipe bed & surround material specification(s) are proposed, these should be agreed with the overseeing engineer before final design or installation activities commence.

**NOTE - SPECIFICATION DOCUMENT**  
For dimensions please refer to Polypipe Civils Technical Literature and the Manual of Contract Documents for Highway Works.

**NOTES**

- All dimensions in millimetres, unless otherwise stated.
- All dimensions are nominal and may vary within manufacturing or construction tolerances.
- All site temporary and enabling works by others.
- RidgistorM-XL units to be installed in accordance with Polypipe Civils recommendations (refer to Polypipe technical guidance for further information); giving due consideration to the requirements of the organisation who will be taking ultimate ownership of the installation.
- Dimensions are based on a minimum stiffness class SN2 pipe; corresponding to the standardised pipe profiles current at the time of this drawing's issue.
- This drawing is intended for guidance only. Confirmation of the information contained within this document should be sought from the consulting engineers before final design or construction activities commence.
- Unless otherwise stated, all RidgistorM-XL is supplied to site without direct means of lifting incorporated. The lift supervisor must assess and plan the lift, in the circumstances of the lift, and provide slings and/or other controls as deemed necessary to ensure a safe lift.
- Minimum and maximum cover depths applicable, dictated by the expected native ground conditions, trafficking and proposed RidgistorM-XL pipe specification.

The information in this document is of an illustrative nature and is supplied by Polypipe Civils without charge. This document does not form the whole or any part of a contract or intended contract with the user. The information within this document should not be solely relied upon to determine the suitability or installation requirements of our products for a proposed application and expected site conditions; expert advice should be sought in this respect. Final determination of the suitability of any information or material for the use contemplated and the manner of use is the sole responsibility of the user and the user must assume all risk and liability in connection therewith. Further information with regard to liabilities may be found at [www.polypipe.com/discclaimer](http://www.polypipe.com/discclaimer).



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PROJECT

**RIDGISTORM-XL STANDARD DETAILS**

STATUS  
**FOR INFORMATION**

TITLE

**TYPICAL FILTER DRAIN INSTALLATION**

DATE	DRAWN BY	SCALE	REV.
16/03/16	JL	AS SHOWN	
ORIGINAL SIZE	A3		
DRAWING NO.	RST_SD_003		