



MULTIPLE PIPE INSTALLATION (NON TRAFFICKED AREAS)

Scale 1:50

Table 5/3 - BS EN 13242, Coarse aggregate for pipe bedding, haunching and surrounding material

BS EN 13242, Coarse aggregate (Clause 4.3.2)		
Category for general grading requirements	G ₈₀₋₂₀	
Category for tolerances at mid-sized sieves	G ₁₆ (no requirements)	
Category for maximum values of fines content	Gravel - f _{1.5} Crushed rock, recycled aggregate - f ₄	
Nominal pipe diameter, mm	Aggregate size, mm	
	Graded	Single sized
Not exceeding 140	-	4/10
Exceeding 140 but not exceeding 400	2/14 or 4/20	4/10, 6/14 or 10/20
Exceeding 400	2/14, 4/20 or 4/40	4/10, 6/14, 10/20 OR 20/40

NOTES

- Coarse aggregate materials shall be in accordance with the relevant provisions of MCHW, Volume 1, Series 500, Clause 503.
- 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
This typical detail should be read in conjunction with MCHW

NOTE A)
As standard the min. spacing between pipes is assumed to be 500mm. Widths less than 500mm may be achieved if confirmed by structural calculations and the proposed installation general arrangement is confirmed with Polypipe Civils Technical Team. Greater widths may be required to achieve a specified level of compaction, or to allow jointing of pipes/ fittings

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.

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Polypipe Civils

Charmwood Business Park,
North Road, Loughborough,
Leicestershire, LE11 1LE

Tel: 01509 615100
Fax: 01509 615215
www.polypipe.com/civils
www.polypipe.com/wms

PROJECT

RIDGISTORM-XL STANDARD DETAILS

STATUS
FOR INFORMATION

DATE
16/03/16

DRAWN BY
JL

TITLE
**TYPICAL MULTIPLE SURFACE WATER DRAIN
INSTALLATION**

ORIGINAL SIZE
A3

SCALE
AS SHOWN

DRAWING NO.
RST_SD_005

REV.