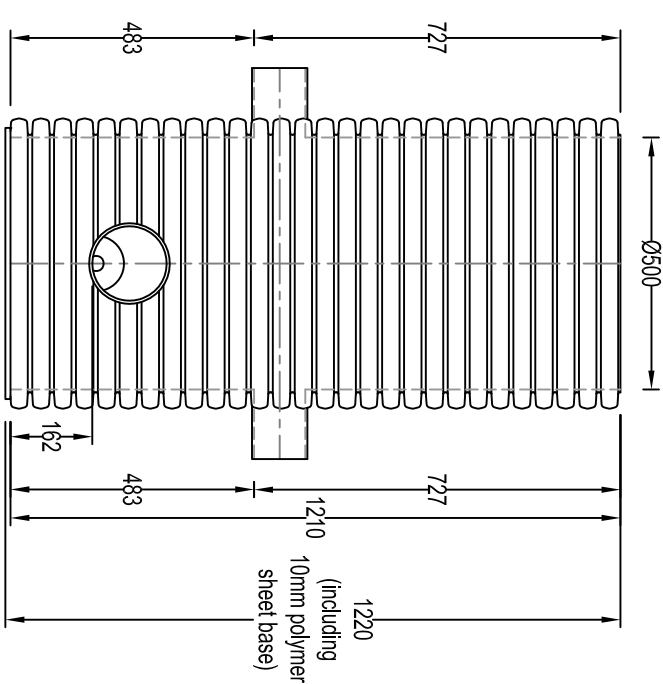
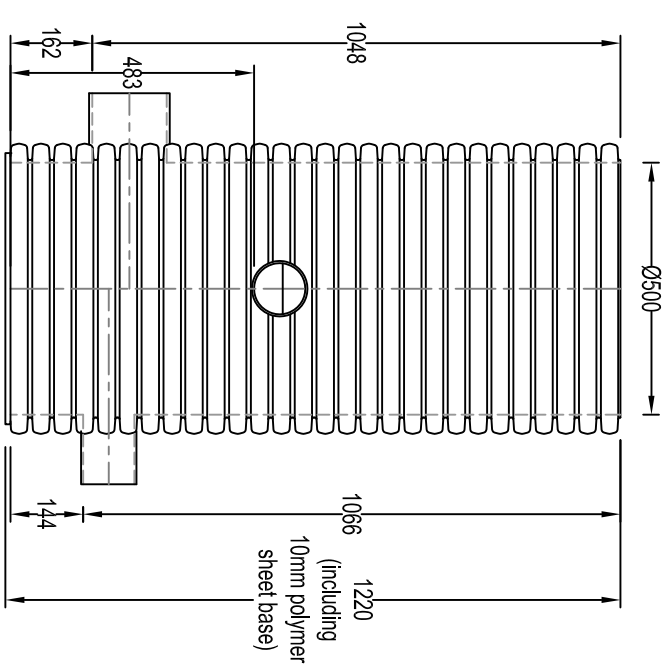


PLAN
Scale (1:15)



ELEVATION 1-1
Scale (1:15)



ELEVATION 2-2
Scale (1:15)

PLEASE NOTE THIS CHAMBER IS ONLY DESIGNED FOR A MAXIMUM 0.4M DESIGN HEAD (1 NO. POLYSTORM DEPTH)

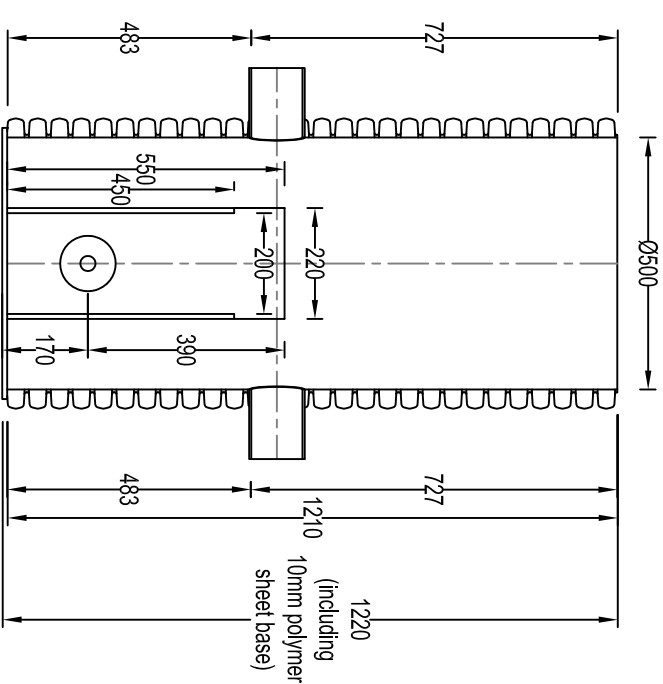
NOTES

1. All dimensions in millimetres, unless otherwise stated.
2. All dimensions are nominal and may vary within manufacturing or construction tolerances.
3. All site temporary and enabling works by others.
4. Ridgistor-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 approving and adopting organisation(s) who will be taking ultimate ownership of the installation.
5. 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.
6. 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.
7. Unless otherwise stated, all Ridgistor-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.
8. Minimum and maximum chamber depths applicable, dependant on project specification and fabrication restrictions.

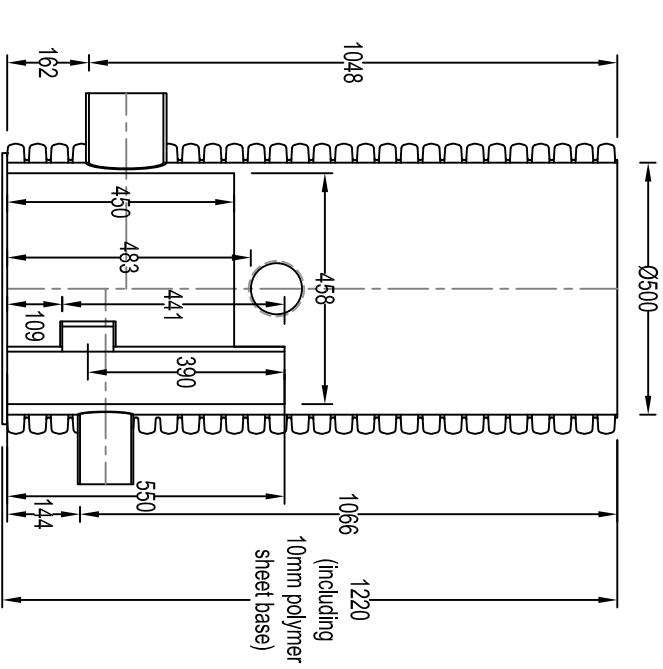
ORIFICE PLATE SIZE REQUIRED BASED ON FLOW RATE AND HEAD OF PRESSURE

Orifice Ø (mm)	Depth to Orifice centre line (m)	Predicted Flow Rate (l/s)
10	0.38	0.13
20	0.38	0.51
30	0.38	1.16
40	0.38	2.06
50	0.38	3.22
60	0.38	4.63
70	0.38	6.30

NOTE: Discharge coefficient assumed to be 0.6
Figures shown in the table above are for guidance purposes only.



SECTION A-A
Scale (1:15)



SECTION B-B
Scale (1:15)

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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

RIDGISTORMCheck

MINI ORIFICE PLATE FLOW CONTROL CHAMBER
(PSMFC16030)

FOR INFORMATION

STATUS		DRAWN BY	
DATE	15/08/16	SCALE	JL
ORIGINAL SIZE	A3	AS SHOWN	
DRAWING NO.	RST_SD_CH_004	REV.	