

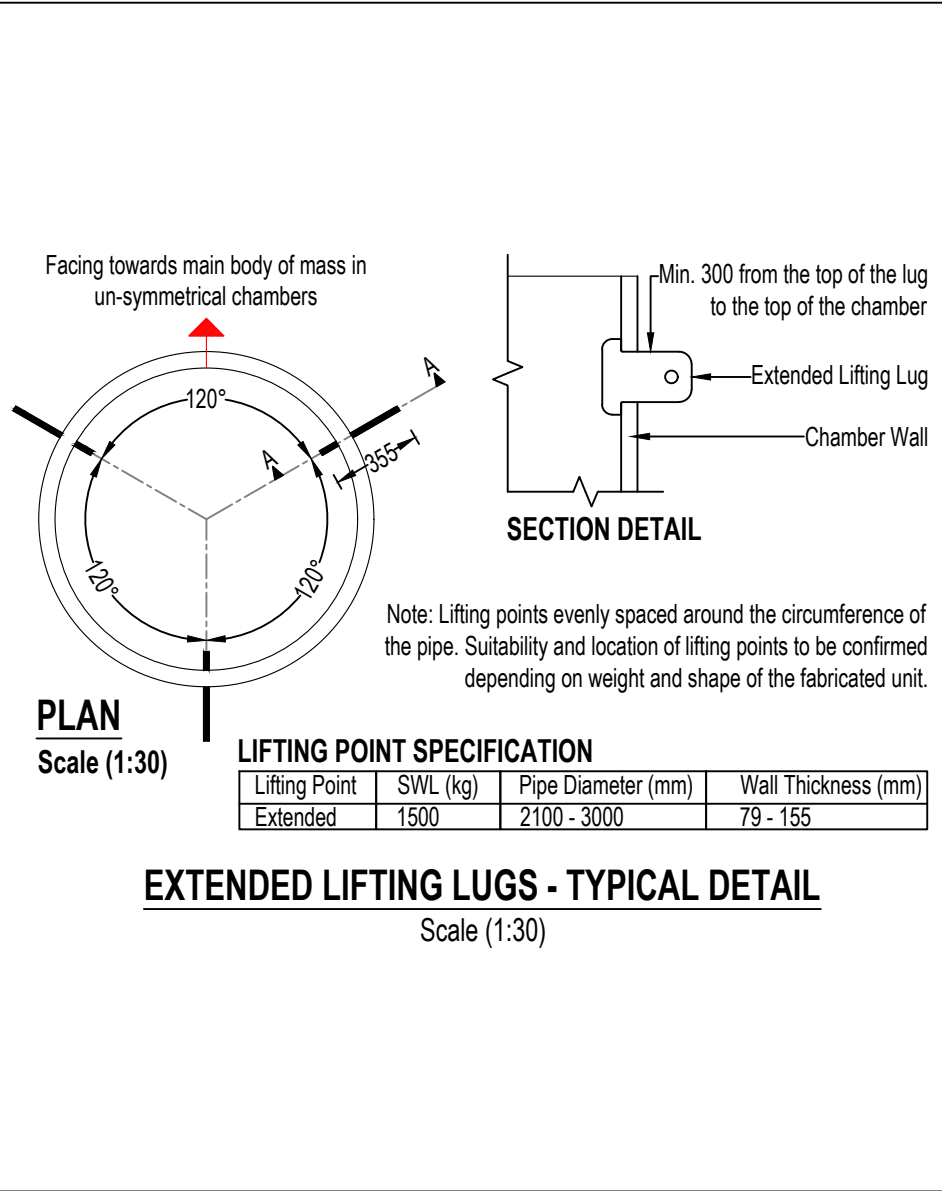
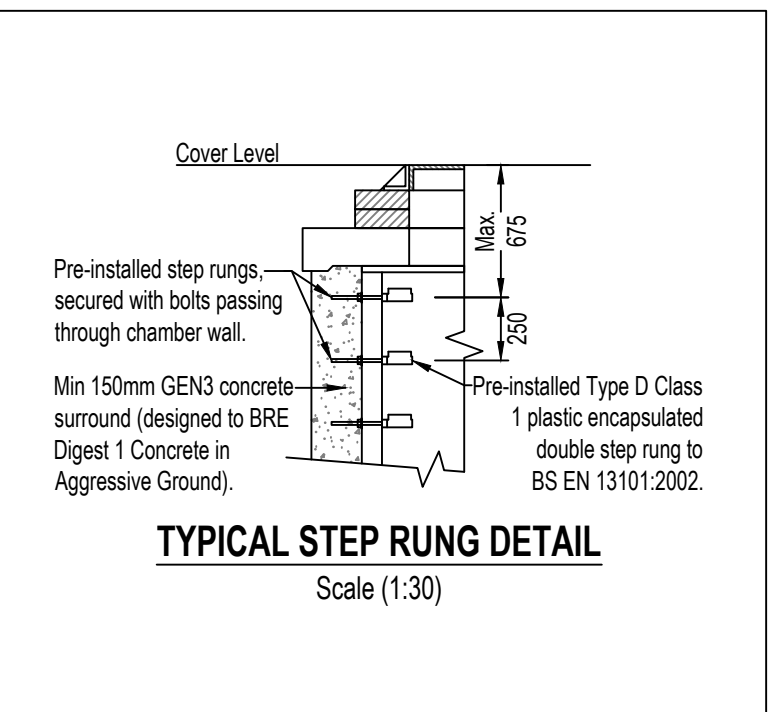
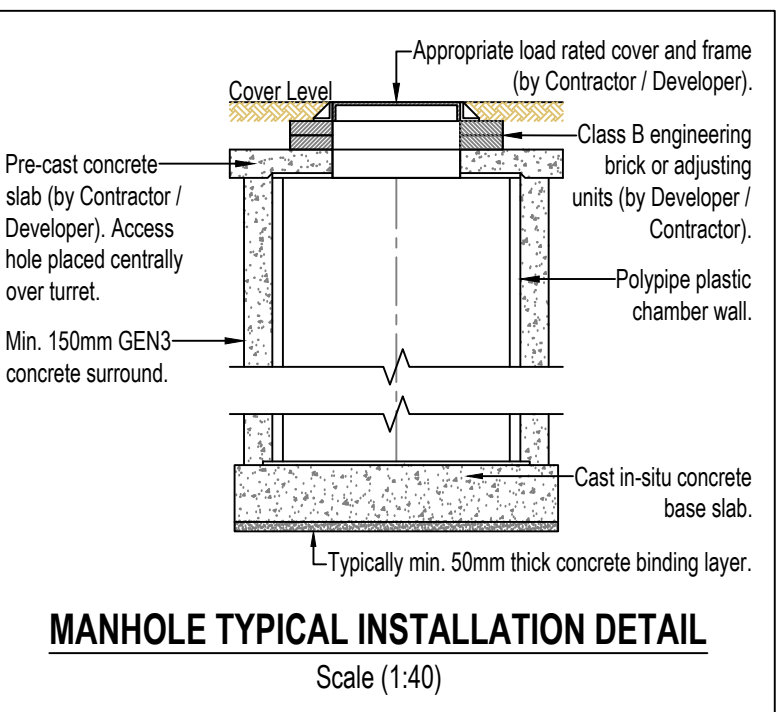
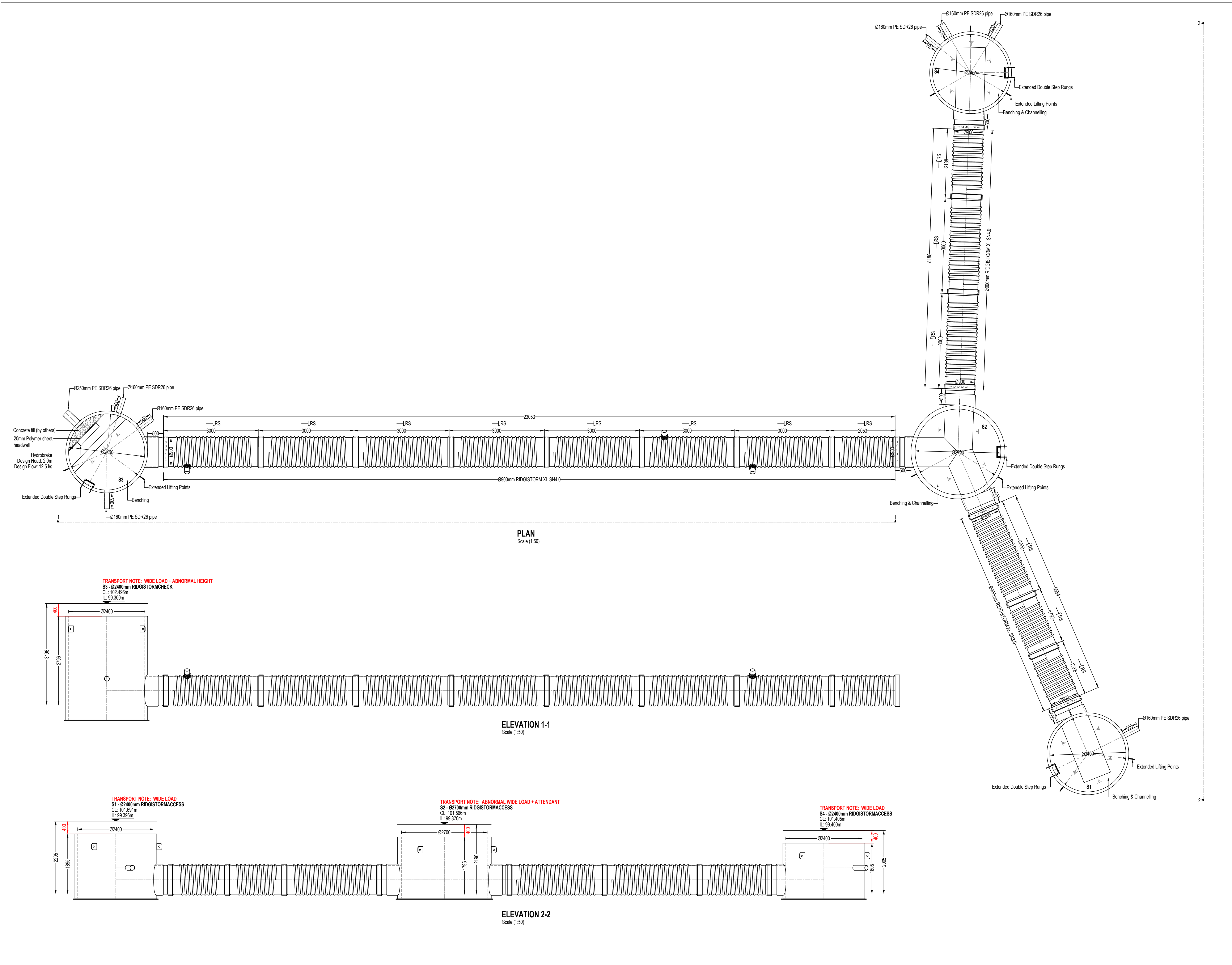
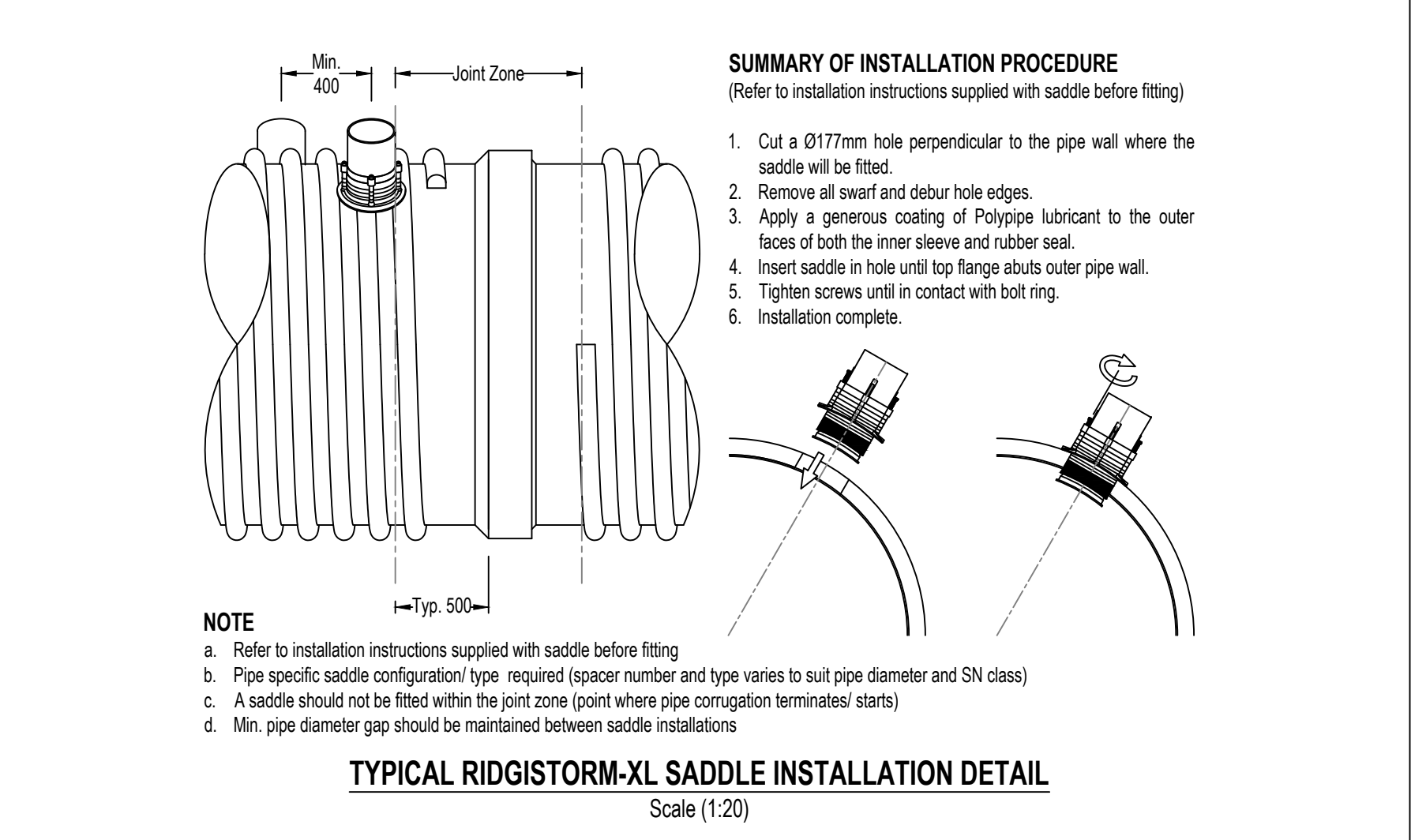


Table 1: Pipe Bed & Surround Coarse Aggregate Material Grading

Product	Pipe Size (mm)	Minimum Sidelift (mm)	Material Grading
Ridgstorm-XL	Ø750 - Ø900	150	BS EN 12424, Class 4.2.1
	Ø1050 - Ø1200	425	4/10, Ø14, 10/20 or 20/40
	Ø1500 - Ø3000	500	

NOTES:

- Coarse aggregate materials shall be in accordance with the relevant provisions of BS EN 12424, as detailed within WIS 4-08-02 amendment Nov 2008, Tables A4 & 5.
- Alternative pipe bed & surround material specifications shall not be used without prior written approval from the overseeing engineer.
- For loading specific installation details, where concrete protection may be required, please request RST_SD_001 & 002.



LIFTING POINTS NOTES

- This document should be read in conjunction with the latest edition of the Polypipe Ridgstorm-XL Lifting guidance document.
- The lift supervisor must assess and plan the chamber lift, in the circumstances of the lift. Where the construction of the chamber results in an off-centre load the chamber will rotate from level when only lifted by the three points provided. In these circumstances the lift supervisor must use additional slings and/or other controls where deemed necessary to ensure a safe and level lift.
- Polypipe are not liable for any lift carried out by a third party.

NOTES - PE STUB PIPE ADAPTERS

Ø160mm SDR26 PE - Ø150mm Polysawer	PIPE ADAPTOR
Ø250mm SDR26 PE - Ø225mm Polysawer	PS689
Ø315mm SDR41 PE - Ø300mm Polysawer	PS1089
	PS1289
Ø450mm SDR17 PE - Ø400mm Ridgeweer	see note below*
Ø500mm SDR17 PE - Ø450mm Ridgeweer	see note below*
Ø550mm SDR17 PE - Ø500mm Ridgeweer	see note below*
Ø630mm SDR23 PE - Ø600mm Ridgeweer	see note below*

* - For this transition, flange seals are required, please refer to their website.

COVER SLAB THICKNESS

- Where cover slabs are applicable, the slab thickness (shown in red) has been assumed and therefore needs to be confirmed by others.

GENERAL TOLERANCES

All dimensions in millimetres, unless otherwise stated.

PIPE Ø RANGE	TOLERANCE ±
≤ 300	± 5
> 300 to 750	± 10
> 750 NON ROL	± 20
≥ 750 RAL	± 30 / 30
ANGLES	± 1° 30'
TYPICAL BENCHING SLOPE	1:9 - 5:7
EXTERNAL BASE FLANGE	50 ± 20
ALL OTHER DIMENSIONS	± 50 / 30

- NOTES:
- Standard spigots in accordance with ES23.
 - All dimensions annotated with * indicate points of intersection.
 - If applicable, dimensions annotated with KDR are key BM dimensions.
 - Remove all burrs and break sharp edges.
 - Spigot test all points that require leak-tightness.
 - Team leader inspection points identified by: (U) (V) (W) (X) (Y) (Z).

JOINTING KEY	RS	Ring seal joint
Scallop	IEW	Internal extrusion
Spigot	EF	Electro-fusion joint

GENERAL NOTES

- This drawing details Polypipe Civils proposed offering, reflecting our interpretation of the information provided.
- Polypipe bespoke Ridgstorm XL chambers are complete pre-formed units.
- Polypipe products 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 take ultimate ownership of the installation.
- Site conditions may require specific installation requirements. The installer should verify that the proposed installation method is acceptable, giving due consideration to the requirements of the relevant approving and adopting authorities, before construction activities commence.
- Advice on any system requirements specific to the proposed Ridgstorm XL system should be sought from Polypipe Civils.
- All PE slab connectors will require adaptors (to be supplied by Contractor / Developer).

DRAWING NOTES

- Drawings should not be scaled, refer to figured dimensions only.
- 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.
- 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.

REV	AMENDMENT	DATE
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PROJECT NAME	Victoria Avenue, Blackley, Manchester
PROJECT TYPE	Ø900mm RIDGISTORM XL ATTENUATION GENERAL ARRANGEMENT
DATE	15/03/23
DRAWN BY	AS SHOWN
CHECKED BY	93300_LH_D1

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