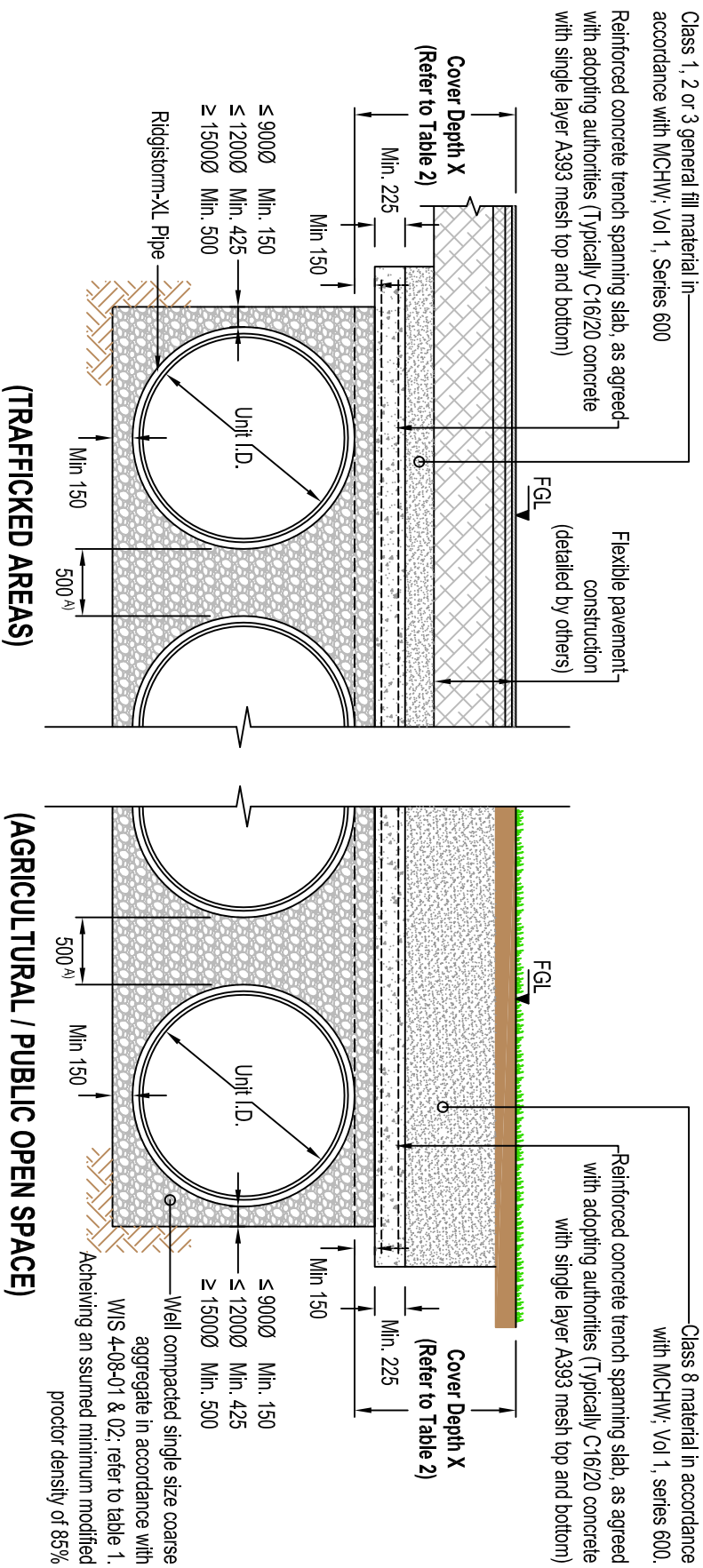


**MULTIPLE PIPE INSTALLATION TYPICAL CROSS SECTION**



**MULTIPLE PIPE INSTALLATION WITH PROTECTIVE COVER SLAB TYPICAL CROSS SECTION**

**Table 1 - Typical Pipe Bed & Surround Coarse Aggregate Material Grading**

Product	Pipe Size [mm]	Material Grading [BS EN 13242, Clause 4.3.2]
RidgistorM-XL	750 to 3000	4/1/0, 6/1/4, 10/20 or 20/40

- NOTES
- Coarse aggregate materials shall be in accordance with the relevant provisions of BS EN 13242; 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.

**Table 2 - Prescribed minimum cover depths - without protective measures**

Vehicle Loading Classification (Description of Typical Installation Location)	Min Cover Depth <sup>1) 2)</sup> [mm]
No vehicle access [Domestic garden & pathways]	350
Height restricted vehicle access with GVW ≤ 7,500 Kg [Domestic driveway and parking areas]	500
Limited access for vehicles with GVW > 7,500 Kg [Domestic driveway, parking areas & narrow streets without footways]	900
Agricultural land & Public open Space	900
Unrestricted vehicle access (GVW > 7,500 Kg) [Highways and unrestricted parking areas]	1200

- NOTES
- Minimum cover depths subject to a detailed structural assessment, undertaken by a suitably qualified engineer, taking into account proposed pipe specification, expected ground conditions and vehicle traffic loading.
  - Where the minimum prescribed cover depths for installations using a granular bed & surround detail can not be achieved, protective measures should be considered (e.g. protective concrete cover slab), unless it can be demonstrated by structural calculation that additional measure are not required. Where cover depths less than those stated above are proposed, the sewerage undertaker should be consulted prior to commencing detailed design work or construction activities.

**NOTE - SPECIFICATION DOCUMENT**  
This typical detail should be read in conjunction with CESM1 or SFA7 where appropriate; taking due consideration to any additional requirements of the sewerage undertaker.

**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.



**Polypipe Civils**  
Charnwood Business Park,  
North Road, Loughborough,  
Leicestershire, LE11 1LE  
Tel: 01509 615100  
Fax: 01509 615215  
www.polypipe.com/civils  
www.polypipe.com/wms

**RIDGISTORM-XL STANDARD DETAILS**

**FOR INFORMATION**

PROJECT	STATUS
RIDGISTORM-XL STANDARD DETAILS	FOR INFORMATION
TITLE	DATE
TYPICAL MULTIPLE SEWER PIPE INSTALLATION	16/03/16
	ORIGINAL SIZE
	A3
	SCALE
	AS SHOWN
	DRAWING NO.
	RST_SD_002
	REV.

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).