

Pipe Dia Internal (mm)	Shropshire Council Category	Pipe Strength Category	Depth Range (Depth of cover)		Depth Range (Depth to invert)		Bedding Types for Rigid Pipes				Bedding Types for Non rigid pipes	
			FROM (cover) (m)	TO (cover) (m)	FROM (Invert) (m)	TO (invert) (m)	Vitrified Clay pipe class 120	Vitrified Clay pipe class 160	Vitrified Clay pipe class 200	Precast concrete pipe (*see Note 1)	Flexible / Thermoplastic Stiffness >6KPa	
											PVCu	PP/PE
150	CD1	7	0.9	3.0	1.050	3.150		ASBFN	ASBFN		ST	ST
225	CD1	7	0.9	3.0	1.125	3.225		ASBF	ASBFN	B	ST	ST
300	CD1	7	0.9	3.0	1.200	3.300		ASBF	ASBFN	B	ST	ST
375	CD1	7	0.9	3.0	1.275	3.375		ASBFN	ASBFN	B	ST	ST
450	CD1	7	0.9	3.0	1.350	3.450	ASBF	ASBFN		B	ST	ST
525	CD1	7	0.9	3.0	1.425	3.525				B	ST	ST
600	CD1	7	0.9	3.0	1.500	3.600				B	ST	ST

Note:

- 1 * Concrete pipes are no longer manufactured to a 'pipe strength' category. Source: Concrete pipe calculator (website <http://www.concretepipes.co.uk/calculator/design/designload.php#resultsSection>). Concrete pipe 1.25 safety factor used with unreinforced pipes.
- 2 Pipe manufacturer's laying instructions in terms of depth of cover, trench width, etc, may be more onerous than the SHW and shall take precedence over the SHW.
- 3 Bedding types and trench widths to be as HCD F1.
- 4 A site specific structural design is required for all pipes greater than 600mm dia. This will be provided to the contractor by the Service Manager.



Drawing Title:

Standard Detail

Pipe and Bedding Combinations

Carrier Drains for Main Roads and Field Loadings

Version	Amendment	Date
Checked By: B. Bartlett	Drawing Number: SD-500-14	Version: -
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