

GROUP D2 - DRAINS AND SEWERS UNDER ROADS AND VERGES

Concrete Pipes to BS 5911

PIPE DIA (mm)	TYPE B BED		TYPE A BED	
	COVER (METRES)	CLASS OF PIPE	COVER (METRES)	CLASS OF PIPE
150	0.6 - 6.0	L	0.6 - 6.0	L
225	0.9 - 3.7	L	0.9 - 5.6	L
	3.7 - 6.0	M	5.6 - 6.0	M
300	0.9 - 2.1	L	0.9 - 3.9	L
	2.1 - 3.0	M	3.9 - 5.0	M
	3.0 - 4.0	H	5.0 - 6.0	H
375	0.9 - 3.6	M	0.9 - 2.9	M
	3.6 - 4.8	H	2.9 - 6.0	H
450	0.9 - 3.3	M	0.9 - 1.7	L
	3.3 - 4.7	H	1.7 - 5.4	M
525	0.9 - 3.4	M	0.9 - 6.0	M
	3.4 - 6.0	H		
600	0.9 - 3.2	M	0.9 - 6.0	M
	3.2 - 5.4	H		
675	0.9 - 3.2	M	0.9 - 6.0	M
	3.2 - 5.8	H		
750	0.9 - 1.2	H	0.9 - 6.0	M
	1.2 - 3.0	M		
	3.0 - 5.8	H		
825	0.9 - 1.2	H	0.9 - 6.0	M
	1.2 - 3.4	M		
	3.4 - 5.6	H		
900	0.9 - 1.2	H	0.9 - 6.0	M
	1.2 - 2.2	M		
	2.2 - 5.4	H		
1050 AND GREATER	0.9 - 3.0	M	1.2 - 2.2	L
	3.0 - 5.5	H	2.2 - 6.5	M
			6.5 - 8.0	H

Clay Pipes to BS 65:1991 & BS EN 295-1:2013

PIPE DIA (mm)	COVER (METRES)	TYPE OF BEDDING	CLASS OF PIPE
100	0.6 - 6.0	B	S
150	0.6 - 4.6 4.6 - 5.2 5.2 - 6.0	B	S
		A	S
		OR B	ES
		A	S
		OR B	SS
225	0.9 - 2.4 2.4 - 4.2 4.2 - 6.0	B	S
		A	S
		OR B	ES
		A	ES
		OR B	ES
			ES
300	0.9 - 3.2 3.2 - 3.8 3.8 - 6.0	A	S
		OR B	ES
		B	ES
		A	ES
		OR B	ES
			ES
375	0.9 - 2.9 2.9 - 3.5 3.5 - 6.0	B	S
		A	S
		OR B	ES
		A	ES
		OR B	ES
			ES
450	0.9 - 3.3 3.3 - 6.0	A	S
		OR B	ES
		A	ES

UPVC Pipes to BS EN 13598-1, BS EN 1401-1 or BS 3506 (excluding Class 0) see Notes 4, 6 & 7

PIPE DIA (mm)	COVER (METRES)	TYPE OF BEDDING	CLASS OF PIPE
110 160 200	0.9 - 6.0 0.9 - 6.0 0.9 - 6.0	E	BS 4660
		E	BS 4660
		E	BS 5481
250	0.9 - 6.0	E	BS 5481
315	0.9 - 6.0	E	BS 5481
400	0.9 - 6.0	E	BS 5481
450	0.9 - 1.0 1.0 - 1.2 1.2 - 6.0	E	BS 5481
		E	D
		E	D
525	0.9 - 1.0 1.0 - 1.2 1.2 - 6.0	E	D
		E	C
		E	B
600	0.9 - 1.0 1.9 - 1.2 1.2 - 6.0	E	D
		E	C
		E	B

NOTES:

- For Notes see Drg No SD/5/5.
- Pipes cover, to laid have below the concrete minimum bed and surround (Type Z) see Drg No SD/5/4.

Rev.	Description	Drawn	Ch'kd	Auth	Date



in partnership with



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Project		Highway Construction Details			Project	Drawn	Date
Status		DRAINAGE			JLS	JLS	10/06/2020
Drawing Title		Group D2 - Tables of Strengths and Depths			JD	JD	24/06/20
Drawing No.		SD/5/6a			JJP	JJP	JLS
					Rev.	0	Scale N.T.S @A4