

ADOPTABLE MANHOLE SCHEDULE							
MH No.	MANHOLE DIMENSION (mm)	MANHOLE TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
S1	1350Ø	Type C	2.273	1.180	0.868	524515.861	311001.291
S2	1350Ø	Type C	2.607	1.030	1.352	524540.257	311005.611
S5	1200Ø	Type B	3.016	0.950	1.691	524547.734	310948.870
S6	1350Ø	Type C	3.152	1.425	1.427	524550.414	310928.720
S7	1350Ø	Type C	3.040	1.686	1.129	524554.458	310901.346
S11	1350Ø	Type B	2.261	0.350	1.611	524620.666	311059.752
S32	1350Ø	Type B	2.772	0.680	1.642	524542.924	310985.028
S33	1350Ø	Type B	2.893	0.625	1.818	524558.828	310987.939
S34	1500Ø	Type B	2.545	0.275	1.745	524632.066	311012.052
S35	1200Ø	Type B	2.931	0.850	1.781	524648.336	310970.375
S36	1200Ø	Type B	2.862	0.725	1.762	524642.459	310978.748
S101	1350Ø	Type C	1.600	0.050	1.250	524640.743	311078.191
S103	1350Ø	Type C	1.497	0.015	1.182	524639.723	311086.598
S104	1350Ø	Type C	1.207	-0.212	1.119	524622.126	311139.468
S105	1350Ø	Type C	1.224	-0.424	1.348	524605.711	311188.784
S341	1350Ø	Type C	2.726	1.050	1.376	524660.900	310928.273
S342	1350Ø	Type C	2.793	1.350	1.218	524655.843	310920.860
S343	1350Ø	Type C	3.078	1.650	1.203	524611.829	310905.811
F2	1350Ø	Type B	2.147	0.455	1.542	524513.022	311002.711
F3	1200Ø	Type B	2.584	0.625	1.809	524536.733	311008.018
F9	1350Ø	Type C	2.944	1.728	1.066	524641.068	310974.383
F15	1200Ø	Type B	2.701	0.750	1.801	524540.790	310990.526
F16	1200Ø	Type B	2.999	1.050	1.799	524546.784	310946.537
F17	1350Ø	Type B	3.043	1.375	1.518	524553.292	310899.349
F18	1200Ø	Type B	3.115	1.120	1.845	524556.055	310947.414

- NOTES:
- D400 covers & frames with kitemark to be used on all adoptable manholes. All covers to be embossed with FW/SW as appropriate. 150mm deep, non rocking cover and frames to be used.
 - Cover and Reducing slabs, shaft and chamber rings to be bedded with mortar, proprietary bitumen or resin mastic sealant. All lifting holes to be pointed.
 - Ensure all slab openings and step irons, ladders are properly aligned. At the foot of each ladder or set of step rungs, a minimum of 450 mm landing area should be provided from the outer edge of the step or rung. This may consist of:
a) a single area adjacent to the foot of the ladder or steps; or
b) where the channel is no more than DN450, one area of at least 225 mm adjacent to the foot of the ladder or steps with the remainder on the other side of the channel.

4. Chamber Diameters;

Dia. of largest pipe in M.H. (mm)	Dia. of chamber ring (mm)
Less than 375	1200
375-450	1500
500-700	1500
750-900	1800
1050-1200	2100
1350-1500	2400
1650-1800	2700

- Above sizes are minimum and may need increasing for more than one incoming pipe to accommodate adequate benching.
- Concrete mix to be in accordance with the chemical analysis report for buried concrete for the site concerned. High strength topping to BS EN 12620 and PD 6682-1 to be brought up to a dense smooth face neatly shaped and finished to all branch connections. Benching slope to be not flatter than 1 in 30.
- Rocker/Short pipe lengths;

Pipe dia. (mm)	Rocker pipe length (m)
150-600	0.6
601-750	1.00
over 750	1.25

Short length pipes to be similar length to rocker pipe. Manhole to large diameter sewers. Chambers with outgoing pipes greater than 600mm dia. to be constructed as per detail. Toe holes to be provided in benching of sewers greater than 450mm dia. for access to invert.

- Bricks to be solid type and either Class B engineering bricks complying with the relevant provisions of BS EN 771-1 or special bricks shall comply with the relevant provisions of BS 4729 with Sulphate-resisting Portland cement binder. Brickwork to be in English bond.
- Brick Manhole Widths. Chamber widths to be increased for pipes larger than 225mm dia. to give 225mm benching each side with the brickwork corbelled down to suit cover.
- All pipes built into manhole invert should be installed with soffits level.
- PIPE BEDDING AND BACKFILL MATERIALS Granular bedding and sidefill Type A material shall be imported or selected as-dug material complying with the recommendations of WAA Notes 4-08-02. Selected fill Type B shall consist of uniform readily compactible material, free from vegetable matter, building rubbish and frozen materials, or materials susceptible to spontaneous combustion, and excluding clay of liquid limit greater than 80 and/or plastic limit greater than 55 and materials of excessively high moisture content. Clay lumps and stones retained on 75mm and 37.5mm sieves respectively shall be excluded from the fill material. Pipe bedding and fill materials to concrete pipes shall not contain more than 0.3% sulphate, expressed as sulphur trioxide.

TRENCH WIDTHS

Pipe dia. (mm)	BC(mm)	BD(mm)
150	190	600
225	280	700
300	380	750
375	500	1050
450	580	1150
525	670	1200
600	750	1350
750	960	1560
900	1160	1760
1350	1620	2220
1500	1740	2340
1800	2090	2690

- All Adoptable Drainage pipes to be of spigot & socket type connection.
- During construction all outfall manholes to be fitted with debris screen (mesh size 25mm), over the outgoing pipes
- All Adoptable Drainage Works shall comply with the requirements of Design and Construction Guidance for foul and surface water sewers offered for adoption under the Code for adoption agreements for water and sewerage companies operating wholly or mainly in England ("the Code") Approved Version 2.0

F	S1 & S2 amended	29.09.26
E	S4 Removed S36 moved	29.09.26
D	S101-S105 amended	17.09.26
C	Amended to Highway Comments	11.08.26
B	Amended to AWIN comments	06.02.26
A	Amended to AWIN comments	05.02.26

REV	DESCRIPTION	DATE
	SCALE : NTS	
	DATE : DEC 2025	
	DRAWN : IDL	

TITLE :
**Adoptable Drainage
Manhole Schedule**

PROJECT :
Cloot Drove, Crowland

Draw No: **1279-04-03 Rev F**

Ref. No: 1279-04-01



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