



Diameter of largest pipe in manhole (mm)	Internal diameter of manhole (mm)
Less than 375	1200
375-700	1500
750-900	1800
Greater than 900	Consult Undertaker

MANHOLE COVER & FRAMES	
Road Description	Min frame depth mm
Bus Routes	150
All residential roads except cul-de-sacs	150
Residential cul-de-sacs	100



Pipe Dia.	Rocker Pipe length
150-600	0.6
675-750	1.0
825>	1.25

INVERTS & PIPE SIZES

- All channel in chambers shall have a continuous gradient equal to the gradient of the incoming or outgoing pipe throughout the width of chamber.
- All pipes to be laid sofit to sofit unless otherwise specified.



1. This drawing to be read in conjunction with all other engineering details.
2. All Section 104 work shall be in accordance with the document 'Sewers for Adoption' 6th Edition and the Interim Technical Addendum No 1. (ITA1) published May 2011 as published by WRC plc, The Civil Engineering Specification to the Water Industry and the Water Authorities requirements.
3. All adoptable works to be checked by the Water Authority inspector.



Granular bedding for pipes shall comply with C 2.88 of CESWI, sized in accordance with the following table:

Nominal Bore of Pipe (mm)	Alternative Aggregate Sizes (mm)		CF Value Max
	Single-Sized	Graded	
100–150	10	—	0.2
225–300	10 or 14	14 to 5	0.2
375–525	10, 14 or 20	14 to 5 or 20 to 5	0.2
Exceeding	14, 20 or 40	14 to 5 or 20 to 5 or 40 to 5	0.15 0.5

PIPE BEDDING DETAILS