



## See Table 2 for Rocker pipe details Joint to be as close as possible to face of manhole to permit satisfactory joint & subsequent movement. Pipe joint with channel to be -located minimum 100mm inside face of manhole. H Double encapsulated step runas Minimum width of benching to be 500mm. -Minimum width of benching to be 225mm. Rocker pipe, see table below 6.

### TABLE 1 - MANHOLE RING DIAMETERS

Pipe Diameter (mm)	Minimum Manhole Ring Diameter (mm)	Minimum Clear Opening (mm)
Less than 275	1200	600x600
300 - 450	1200	600x600
Greater than 450	The larger of 1800 or (DN + 775)	600x600

## 

TABLE 2 - RUCKER FIFE LENGINS			
Nominal diameter (mm)	Effective length (m)		
100 to 600	0.6		
675 to 750	1.0		
825 & over	1.25		

Rocker pipe to be installed as close as possible to face of chamber to permit satisfactory joint & subsequent movement

on mortar	
Mortar haunching to M.H. cover & frame.	H.L.
2-4 courses of Class B engineering bricks, concrete blocks or precast concrete cover frame seating rings.	1
450mm max to first step	
High strength concrete topping to be brought up to a dense smooth face neatly shaped & finished to all branch connections (min. thickness 20mm)	_
Distance between top of pipe & underside of PC chamber to be 50mm.	1
All insitu concrete to be grade ———— GEN3	

Cover & frame to be bedded

Inverts formed using channel pipes.

# MANHOLE RING DIAMETERS

Largest Pipe (DN)	Minimim Internal Diameters (mm)	Minimum Clear Opening (mm)
	a	
≼150	1050*	750x675
225	1200	600x600
300	1200	600x600

Unless noted otherwise in the Manhole Schedule. \* If serving more than one property, minimum size 1200mmø.

		shall be stainless steel grade 316 resin anchors suitable for design k length; centre of bolt to edge of concrete 100mm.	oads, mi	nimum re	quirements	s are: 150mm embedment			_		
						NOTES 1. This drawing is to be read in conjunction with the following FAIRHURST drawing:	G & AM LAWSON	HIGH STILE GARDENS,	FAIRHURST		
						urumna: 104264/2033 – Proposed Drainage 104264/2038 – Construction Details Sheet 2 104264/2039 – Construction Details Sheet 3.			1 Arngrove Court, Barrack Road, Newcostle-upon-Tyme, NE4 6DB Tel: 0191 221 0505 Fox: 0844 381 4412 Scale at A1: Status:		:k Road, NE4 6DB 44 381 4412
									NTS	For Approval	
								CONSTRUCTION DETAILS	Drawn: JH	Checked: JM	Approved: SB
								SHEET 2	Date: 12/09/16	Date: 16/09/16	Date: 16/09/16
A	29/04/21	DRAWING TITLE AMENDED TO ACCORD WITH UPDATED SITE LAYOUT.	JF	JM	MT				Drawing No.: 4	04264 /2	AZO A
Rev.	Date	Description	Drawn	Checked	Approved					U4204/2	

Do not scale from this drawing.
SAFETY HEALTH AND ENVIRONMENTAL INFORMATION
In addition to the Hazard/Risks normally associated with the types of work detailed on this drawing, note the following Risks and information.
RISKS LISTED HERE ARE NOT EXHAUSTIVE. REFER TO DESIGN ASSESSMENT FORM.
CONSTRUCTION EXISTING SERVICES WORKING IN A LIVE HIGHWAY
DEMOLITION
For information relating to use, cleaning and maintenance see the health and safety file
IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.

## MANHOLE/INSPECTION CHAMBER - TYPE F

(DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE UP TO 1.5m FOR PIPE DIAMETERS LESS THAN OR EQUAL TO 300mm)



<u>Notes</u> Rocker pipe to be 0.6m length installed as close as possible to face of chamber to permit satisfactory joint & subsequent movement