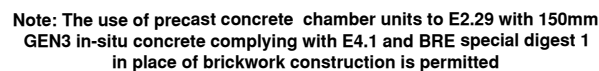


Approved version 2.1 May 2021



Note: Steeper gradients preferred to the use of backdrops.
Type of backdrop to be used to be agreed with sewerage company



Protection of pipes laid at shallow depths



1. All dimensions in millimetres

- PROCESSED GRANULAR MATERIAL:**

8. Limestone material shall not be used where the native ground or ground water is acidic, ie pH of 6 or less

CONCRETE EMBEDMENTS & PROTECTION:

10. Concrete protection details shall be adopted where cover to pipework is less than 1.2M and where it is necessary to protect the pipework from traffic loading

11. Pipes to be protected with concrete slabs shall be supported on precast concrete setting blocks, the top face of each block being covered with two layers of compressible packing

12. PVC and PE pipes shall be wrapped with a layer of plastic sheeting complying with UU CESWI 6 class 2.95

13. GRP pipes shall be wrapped with compressible filler material 100mm wide at the end of the end of the concrete surround

- 14. Compressible filler shall comply with UU CESWI 6 class 2.19**

TABLE 2 Embedment Dimensions for Rigid Pipes					
NOMINAL INT PIPE DIA	DIMENSION Y1 EVEN TRENCH BOTTOM (MIN)	DIMENSION Y2 ROCK OR UNEVEN TRENCH BOTTOM (MIN)	PROCESSED GRANULAR MATERIAL	DIMENSION Z (MIN)	MAX PERMITTED TRENCH WIDTH
150	100	200	100mm single sized or 14mm to 5mm graded	100	750
225	100	200		100	825
300	100	200		100	925

BEDDING FACTOR (See note 5)	
2.2	Narrow Trench
2.2 or 2.5	Wide Trench
2.2	Embankment

Nominal Internal Pipe Dia	Dim. X mm	Compressible Filler L mm
<400	160	18
400-700	200	36
725-1200	300	36
>1200	300	54

[illegible]

rev	Revision details	Rev.By	Date
-----	------------------	--------	------



Drawing Stage		Drawing Status	
	Draft		Comments
●	Issued		Information
		●	Approval
			As Built

Client

ROCHDALE

BOROUGH COUNCIL

Job title

BROWNHILL LEARNING COMMUNITY
SUTHERLAND ROAD, HEYWOOD

Drawing title

DCG

MANHOLE DETAILS



Date 12.03.24	Scale N.T.S.	Drawn PT
DRAWING No	23062/101-1	Rev

(C) This drawing is the property of REFA and should not be copied, used or its contents divulged without prior written consent.