

FORMAVOID

PRODUCT INFORMATION

FMVD01001 - Formavoid 100

Distributed by SEL Environmental
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Last Revised January 2022

CLASS S BED & SURROUND

Backfill with selected suitable as-dug material up to formation level

Heavy compaction of the main backfill material should be avoided until the pipe has minimum cover to the crown of 250mm. The main backfill material shall be compacted in layers not greater than 250mm thick, unless stated otherwise.

Well compacted pipe bedding material in accordance with the specification.

Any soft spots in trench formation shall be replaced by an additional depth of granular bedding material unless instructed otherwise by the engineer.

Minimum Trench Width
Pipes up to Ø100 BC+200
Pipes up to Ø600 BC+300
Pipes exceeding Ø600 BC+450

Maximum Trench Width
Dn Bt
150 0.6
225 0.7
300 0.85
450 1.15
600 1.35

Class S granular bed and surround
Cover >90mm in vehicular loading
Cover >600mm in landscaped areas

CLASS Z BED & SURROUND

Backfill with selected suitable as-dug material up to formation level

Heavy compaction of the main backfill material should be avoided until the pipe has minimum cover to the crown of 250mm. The main backfill material shall be compacted in layers not greater than 250mm thick, unless stated otherwise.

Sulphate resisting GEN3 concrete bed and surround with flexible joints

Any soft spots in trench formation shall be replaced by an additional depth of granular bedding material unless instructed otherwise by the engineer.

Minimum Trench Width
Pipes up to Ø100 BC+200
Pipes up to Ø600 BC+300
Pipes exceeding Ø600 BC+450

Maximum Trench Width
Dn Bt
150 0.6
225 0.7
300 0.85
450 1.15
600 1.35

Class Z concrete bed and surround
Cover >90mm in vehicular loading
Cover >600mm in landscaped areas

Bedding Details

Nominal Pipe Size Dn	Pipe Bedding Requirement Size of Aggregate mm
150	10 or 14 nominal single size or 14 to 5 graded
225-525	10, 14 or 20 nominal size or 14 to 5 graded or 20 to 5 graded
>525	10, 14, 20 or 40 nominal single crushed rock or 14 to 5 graded or 20 to 5 graded or 40 to 5 graded

TYPICAL ROAD GULLY

Gully grating and frame set nominal 5mm below finished pavement level

Gully riser

Nominal Ø450mm x 750mm deep HDPE gully

Gen 3 concrete surround minimum 150mm thick

C01	Channel drain updated, generic details removed	18/10/22	MG	JS
P01	First issue	16/05/22	MG	JS
REV.	DESCRIPTION	DATE	DRW.	CHK.

 Manchester University NHS Foundation Trust			
 Sel Environmental Ltd Real Innovation			
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PROJECT			
North Manchester General Hospital			
TITLE			
MSCP SW Drainage Details			
STATUS S4	PURPOSE OF ISSUE For Construction		
DRAWN BY MG	CHECKED BY JS	DATE 16/05/2022	
SCALE (@A1) NTS		PROJECT NUMBER 20200 MSCP	
FILE DRAWING NUMBER 20200-SEL-NM110-EX-DR-Y-0011			REV. C01