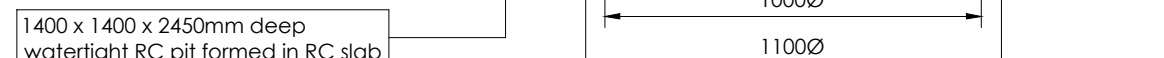
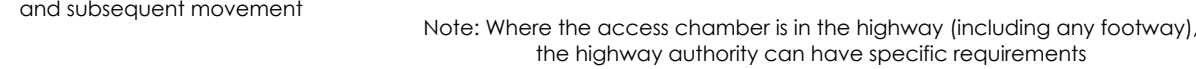
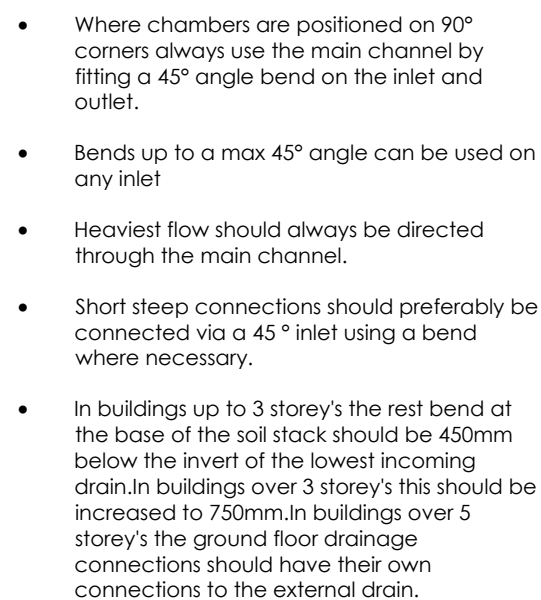


1. All private drainage must comply with the current edition of DTLR Building Regulations approved document H.
2. Where drainage is to be adopted it should meet with the requirements of Sewers for Adoption 7th edition.
3. Drainage design to be to BS EN 752-3 1996
4. Any intended changes to the drainage design must be discussed with the Engineer. If changes are made the Engineer must be supplied with as-constructed information to enable drawings to be suitably updated for the Health & safety file.
5. Before works commence the contractor should satisfy themselves that the details of the drainage system to be connected into are correct i.e. cover, invert levels, line, condition and type of sewer.

Depth from cover level to soffit of pipe up to 3m
Flexible material construction for use in areas subject to vehicle loading



(Pump details based on Edincare Pumps Specification Reference JC2060)



Chamber Type	Internal Diameter (mm)	Max. No. Inlets	Max. Depth (mm)
Polypropylene Mini Access Chamber (mac)	300	3	600
Polypropylene Inspection Chamber (PPIC)	475	5	1250

MINI ACCESS CHAMBER

FIGURE B17

Technical drawing of a manhole structure showing internal components and dimensions. The drawing is a cross-section of a manhole with a sloped wall and a horizontal outlet pipe. Key features and labels include:

- Top Left:** Tumbling bay junction (actual details will be dependent on the type of pipe used)
- Left Side:** Compacted granular bed (type 20/5 or single size stone max 20mm)
- Bottom Left:** Rest bend 210mm minimum radius
- Top Right:** Invert of rodding eye to be not greater than 1.5m above top of benching (unless specific man-access requirements are provided)
- Right Side:** Straight outlet pipe for 150mm & 225mm diameters only. For larger diameters, bends are to be built through the manhole wall.
- Bottom Right:** Granular bedding material
- Bottom Center:** To channel

Technical drawing illustrating the connection of a manhole to a channel. The drawing shows a cross-section of the manhole structure, including the invert, the 45° short bend, and the straight outlet pipe. Key dimensions and components are labeled:

- Tumbling bay to be a 45° or 55° oblique junction (actual details will be dependent on the type of pipe used)**: This label points to the 45° short bend.
- 150mm**: This dimension indicates the vertical clearance between the invert and the top of the manhole structure.
- Compacted granular bed (type 20/5 or single size stone max 20mm)**: This label points to the bedding material surrounding the pipe.
- 45° short bend 210mm minimum radius**: This label points to the curved section of the pipe.
- Invert of rodding eye to be not greater than 1.5m above top of benching (unless specific man-access requirements are provided)**: This label points to the vertical distance from the invert to the top of the manhole structure.
- Straight outlet pipe for 150mm & 225mm diameters only. For larger diameters bends are to be built through the manhole wall**: This label points to the straight section of the pipe.
- To channel**: This label points to the direction of flow from the manhole into the channel.

Square rodding point

150mm deep C20 concrete bed to support rodding point fitting

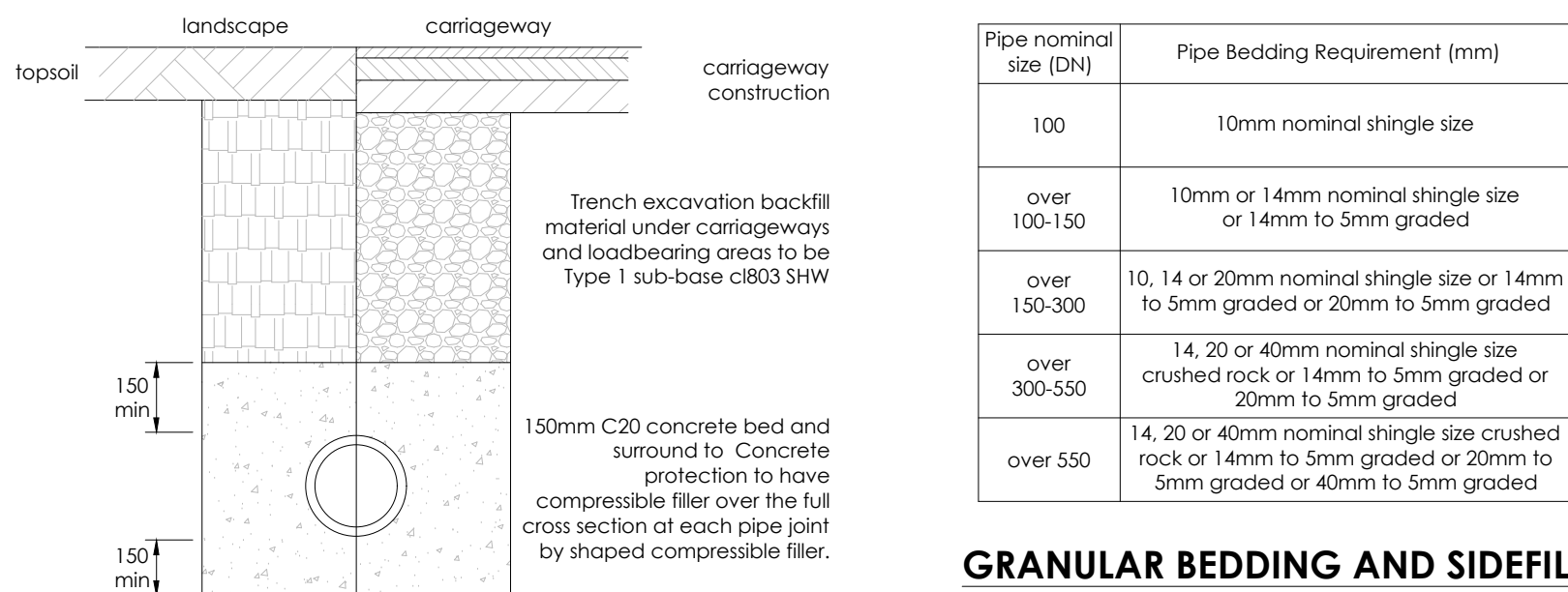
Short length of pipe cut to suit

Bend to suit

150mm bed/surround concrete/granular (dependent on depth)

[illegible]

To be used where cover to pipe soffit is greater than 1200mm in vehicular areas and greater than 900mm in non-trafficked areas (ie footpaths, verges, etc)



To be used where cover to pipe soffit is less than 1200mm in vehicular areas and 900mm in non-trafficked areas (ie footpaths, verges, etc)

Pipe nominal size (DN)	Pipe Bedding Requirement (mm)
100	10mm nominal shingle size
over 100-150	10mm or 14mm nominal shingle size or 14mm to 5mm graded
over 150-300	10, 14 or 20mm nominal shingle size or 14mm to 5mm graded or 20mm to 5mm graded
over 300-550	14, 20 or 40mm nominal shingle size crushed rocks or 14mm to 5mm graded or 20mm to 5mm graded
over 550	14, 20 or 40mm nominal shingle size crushed rocks or 14mm to 5mm graded or 20mm to 5mm graded or 40mm to 5mm graded

TYPE Z CONCRETE BED AND SURROUND

To be used where cover to pipe soffit is less than 1200mm in vehicular areas and 900mm in non-trafficked areas (ie footpaths, verges, etc)

1. All dimensions and levels are in metres unless otherwise noted
2. This drawing is to be read in conjunction with the relevant Architect's/Engineer's drawings, specifications and CDM documentation
3. This drawings has been produced electronically and may have been photo reduced or enlarged when copied. Work to figured dimensions only (DO NOT SCALE). All dimensions to be checked on site. Any errors or omissions to be reported to the engineer immediately.
4. This drawing contains coloured lines / information that may not be clear if reproduced in black and white.
5. Digital copies of this plan can only be considered accurate if supplied directly by Jesis Special Structures Limited.

NOTE
Final Construction based upon notations provided by HG Construction. HG Construction to confirm layout correctly reflects works carried out on site

AS BUILT DRAWING
(THIS DRAWING IS THE FINAL
CONSTRUCTION ISSUE AND DOES
NOT PURPORT TO BE A SURVEY OF
THE WORKS AS CONSTRUCTED)

HG AS BUILT DRAWING
CONSTRUCTION HG CONSTRUCTION LIMITED

FC1	10.10.25	NJ/RJW	FINAL CONSTRUCTION ISSUE
REV	DATE	DRAWN/CHK	REVISION INFO
STATUS:			

CLIENT: HG CONSTRUCTION

PROJECT:
Freewharf
Shoreham-by-Sea
BN43 6RE

DRAWING TITLE:

Drainage Construction Details
(Sheet 1 of 3)

JOB NUMBER:	SCALE AT A1:	REV. STATUS:
SE2002	NTS	A

DRAWING NUMBER:	REVISION:
ISS-XX-XX-DR-C-3400	FC1

LONDON	20 IRONMONGER LANE LONDON EC2V 8EP UK T: +44 (0)207 600 2912
BRISTOL	89-95 REDCLIFFE STREET BRISTOL BS1 6LU UK T: +44 (0)117 922 7035