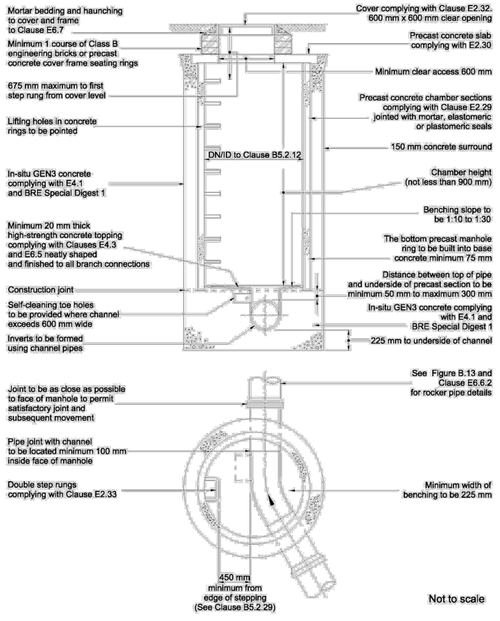
25 May 2021

Figure B 10
Typical manhole detail – Type B
Depth from cover level to soffit of pipe 1.5 m to 3 m
Alternative rigid material construction with concrete surround

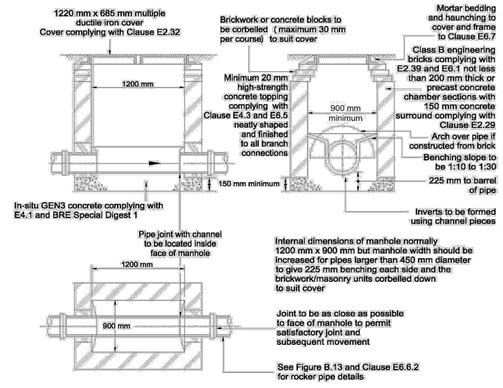


Not to scale

Chamber Type B (Option 2)
Thin walled manhole, with 150mm concrete surround, no shaft
Scale: n.t.s

(Manhole Details from Design and Construction Guidance)

Figure B 14
Typical manhole detail – Type C
Depth from cover level to soffit of pipe less than 1.5 m
Maximum pipe size 450 mm diameter
Rigid material construction



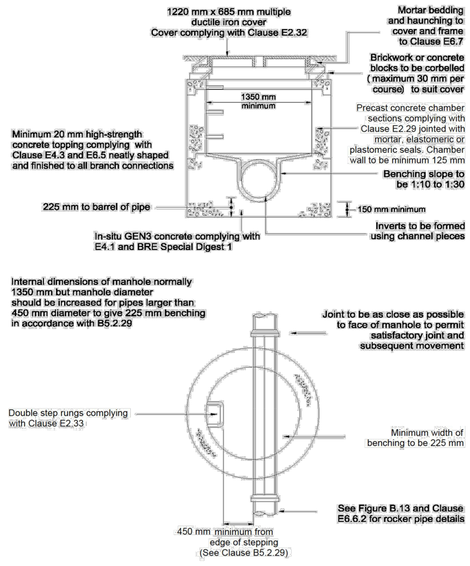
Note: The use of precast concrete chamber units to E2.29 with 150 mm GEN3 in-situ concrete complying with E4.1 and BRE Special Digest 1 in place of brickwork construction is permitted.

Not to scale

Chamber Type C (Option 1)
Brickwork thick walled manhole, min. 200mm thick, no shaft /
Thin walled manhole with 150mm concrete surround, no shaft
Scale: n.t.s

(Manhole Details from Design and Construction Guidance)

Figure B 15
Typical manhole detail – Type C
Depth from cover level to soffit of pipe less than 1.5 m
Maximum pipe size 450 mm diameter
Rigid material construction



Note: The use of precast concrete chamber units to E2.29 with 150 mm GEN3 in-situ concrete complying with E4.1 and BRE Special Digest 1 in place of brickwork construction is permitted.

Chamber Type C (Option 2)
Thick walled manhole, no concrete surround, no shaft
Scale: n.t.s

(Manhole Details from Design and Construction Guidance)

Note:

1) All manhole covers to be 675mm x 675mm.
2) Precast concrete manhole rings will not be cut under any circumstances.

Safety, Health & Environmental Information:
In addition to the hazards and risks normally associated with the types of work detailed on this drawing, please note the significant hazards identified by symbols below,

INDICATES A RESIDUAL RISK AS A WARNING

INDICATES A RESIDUAL RISK FOR INFORMATION

and described below:

Construction/Maintenance/Cleaning/Demolition
Refer to Drawing: MGPS-BML-XX-XX-DR-C-2700

General Notes:

1. Do not scale from this drawing.
2. All dimensions are in meters (m), all levels in metres (m) unless noted otherwise.
3. Discrepancies or omissions are to be reported to the Engineer prior to work commencing.
4. Materials and workmanship are to comply in all respects with current British Standard Specifications, Codes of Practice, and Building Regulations Approved Documents.
5. The copyright of this drawing is vested in the Engineer and must not be copied or reproduced without written consent.
6. The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection points before work commences.
7. This drawing is to be read in conjunction with all relevant specifications and drawings issued by the Engineer, Architect and other Specialists.
8. Details and locations of existing services are based on the Topographical Survey and Utility Records received from Third Parties and Service Providers respectively, and should be considered indicative and approximate only. The existing services shown on Series 2700 drawings may not be exhaustive. The Contractor shall use Trial Pits and other approved methods to accurately locate and verify the positions and depths of all existing services before commencement of works on site.

NOTE:

1. For Drainage Plan Layout refer to drawing, TOS-BML-XX-XX-DR-C-0500.
2. For Drainage Details refer to drawings, TOS-BML-XX-XX-DR-C-0505 to 0508.
3. For Flood Flow Analysis refer to drawing, TOS-BML-XX-XX-DR-C-0520.
4. For External Surfaces refer to drawing, TOS-BML-XX-XX-DR-C-0700.

P01	IW/AM	04/03/2025	Preliminary issue for client comments
Rev	By / Chk'd	Date	Description

PRELIMINARY DRAWING
This drawing is not to be used for construction

Client
FI REAL ESTATE MANAGEMENT

BarnsleyMarshall Limited
1 Birch Court
Blackpole East
Worcester
WR3 8SG

Tel: 01905 330550
Email: design@barnsleymarshall.co.uk
Web: www.barnsleymarshall.co.uk

BarnsleyMarshall

Project
The Oaks Site
Wrexham Industrial Estate

Drawing
Drainage Details 02

By IW/AM	Date 18/02/2025
Drawing No. TOS-BML-XX-XX-DR-C-0506	Revision P01
BML Job No. 1000-06	Status -
Drawing Scale at A1: As Shown	
CAD Filename: T:\Projects\1000-06 The Oaks Site, Wrexham Ind Est\5-Innovation - Working\DWG\TOS-BML-XX-XX-DR-C-0505 - 0510 P01 - Drainage Details 1 to 5.dwg	