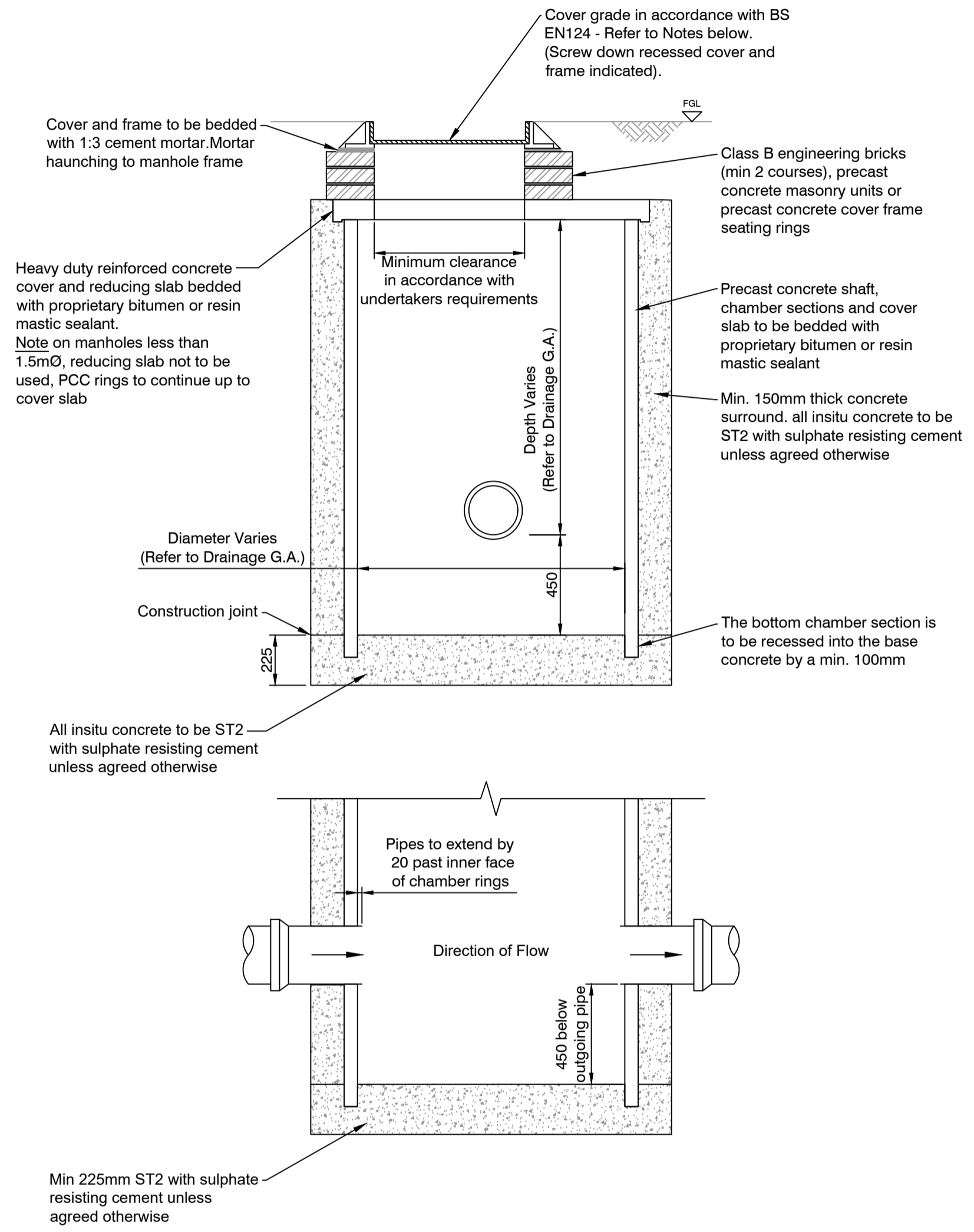


**Precast Concrete Manhole - Design and Construction Guidance**

(With Concrete Surround)  
 Chamber Ø to Clause B5.2.12  
 1.5m to 3.0m deep  
 (Deeper chambers are to be individually designed)  
 (Scale 1:20)

**Notes**

- Covers complying with BS EN 124 and BS 7903
  - Highways - D400 Loading
  - Driveways, footways and landscaped areas- B125 Loading
  - Gardens - A15 Loading
- All foul chambers are to have Low Leak manhole covers
- Precast concrete manhole units shall comply with the relevant provisions of BS EN 1917 and BS 5911-3 and shall be manufactured from concrete with a Design Chemical Class DC-4
- All clauses to be in accordance with Design and Construction Guidance for foul and surface water sewers offered for adoption



**Precast Concrete Catchpit - 450mm Sump**

Chambers between 1200mm and 1800mm Ø  
 Up to 3.0m deep  
 (Deeper chambers are to be individually designed)  
 (Scale 1:20)

**Notes**

- Covers complying with BS EN 124 and BS 7903 (D400 Loading)
- Precast concrete manhole units shall comply with the relevant provisions of BS EN 1917 and BS 5911-3 and shall be manufactured from concrete with a Design Chemical Class DC-4.
- All foul chambers are to have Low Leak manhole covers

**Notes**


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- Do not scale off this drawing
- To be read in conjunction with all Architects and Engineers drawings
  - Level design is based on information from a topographical survey provided by others. Alan Baxter Partnership LLP takes no responsibility for the accuracy of the original topographical survey. All existing levels are to be confirmed by the contractor prior to the commencement of the works.
  - All discrepancies to be notified immediately to contract administrator and engineers.
  - Only 'Construction' drawings shall be used for construction or the ordering of materials. Any other drawings (tender / billing / work in progress etc.) drawings shall not be used for this purpose.
  - C.B.R. values at formation level are to be verified / confirmed on site during construction. Soil stabilisation (Geogrids, separation membrane etc.) may be required at formation level, subject to C.B.R. test results.
  - Any localised soft spots are to be excavated and backfilled with suitably compacted fill material.
  - Where the proposed finished levels are above the existing, capping material / suitable fill is to be used, compacted in layers no thicker than 150mm. If material excavated from site is not of a sufficient quality, then material will need to be imported.

**FOR APPROVAL**

-				
A	CRATES REMOVED	JB	-	30/07/2021
0	FIRST ISSUE	JB	ARWS	20/07/2021

**ALAN BAXTER PARTNERSHIP** LLP  
 CONSULTING STRUCTURAL ENGINEERS

THE CLOCK BUILDING  
 PYMPES COURT  
 BUSBRIDGE ROAD  
 LOOSE  
 MAIDSTONE  
 KENT ME15 0HZ  
 TELEPHONE: 01622 744263  
 FAX: 01622 749270  
 EMAIL: mail@abpengineers.co.uk



Project Title:  
**Joseph Wilson Ind. Est. Expansion**  
**Milstrood Road**  
**CT5 3PS**

Drawing Title:  
**Below Ground Drainage**  
**Construction Details**  
**(2 of 3)**

Scale: <b>AS SHOWN @A1</b>	Do not scale from drawing
Drawing Number: <b>W1114-0500-011</b>	Rev: <b>A</b>

