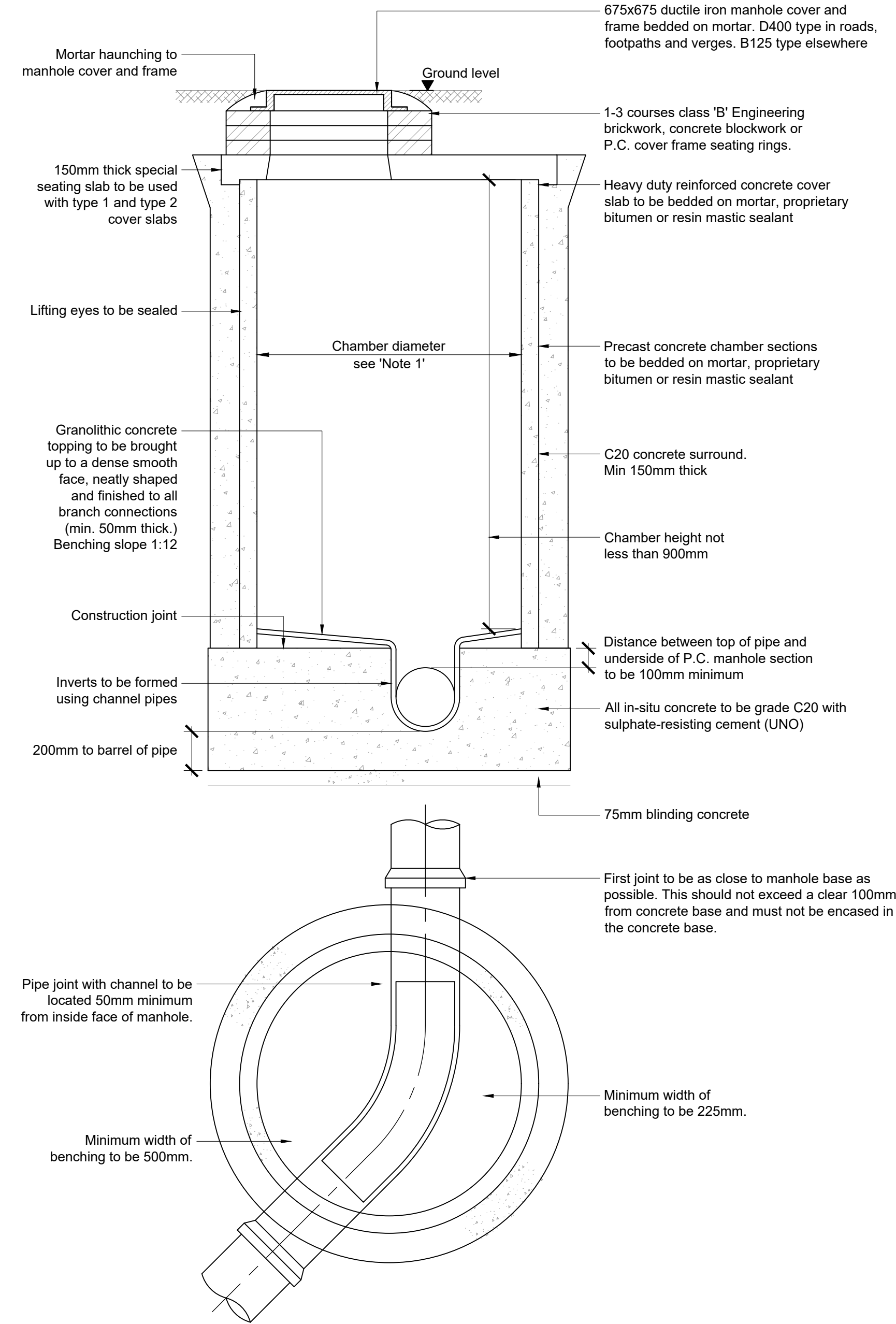
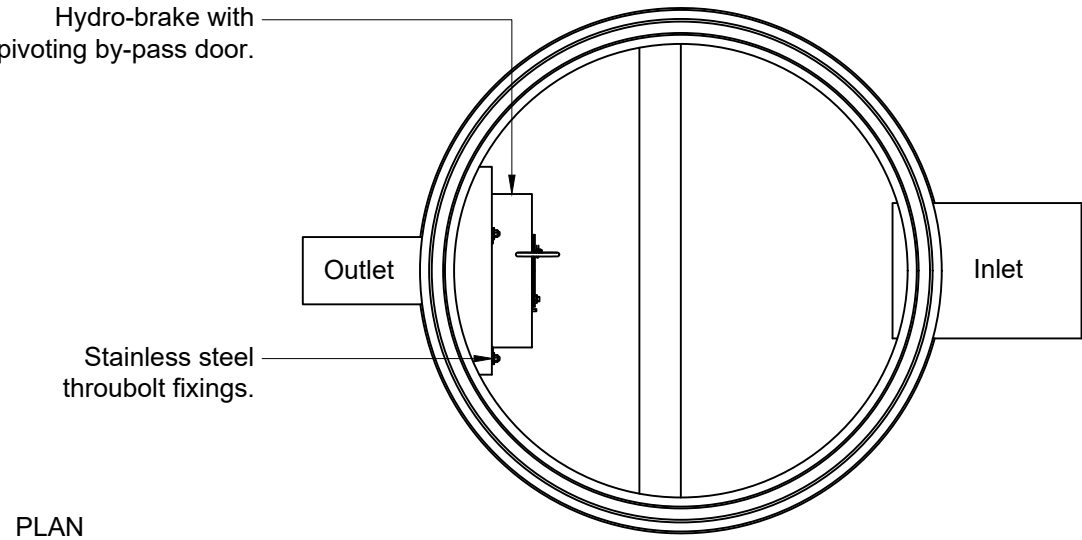




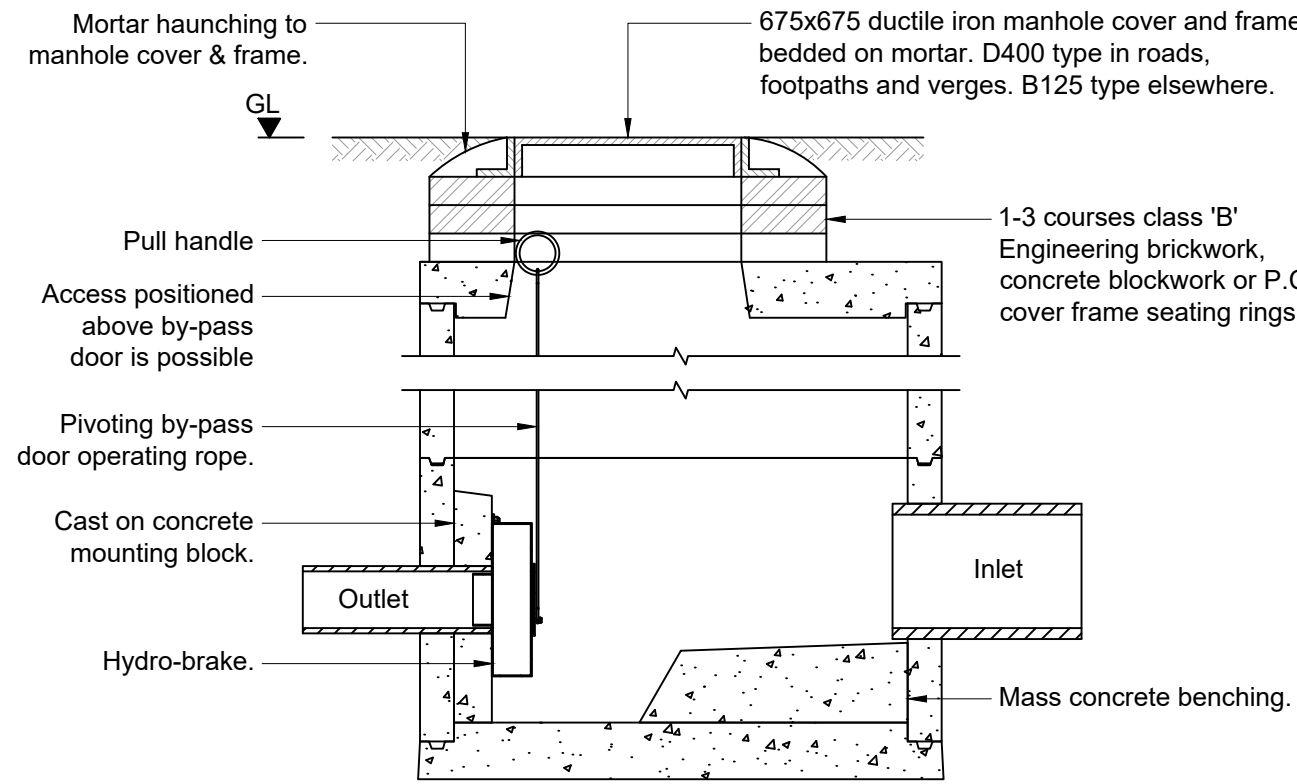
TYPICAL MANHOLE DETAIL
SCALE 1:20

ADDITIONAL NOTES:

- Manhole diameter to be as follows :
1200mm Ø (pipe Ø up to 300mm)
1350mm Ø (pipe Ø > 300mm up to 450mm)
1500mm Ø (pipe Ø > 450mm up to 525mm)
1800mm Ø (pipe Ø > 525mm up to 750mm)
2100mm Ø (pipe Ø > 750mm up to 900mm)
- 1050mm concrete rings may be used where the manhole is of a 'Straight Through' or 'Terminal' type, where the depth to invert does not exceed 2.5m and the pipe diameter is not greater than 150mm.
- Where the depth to the top of the benching exceeds 3.0m, a type '2' manhole shall be used.
- Manhole construction to be in accordance with the current editions of 'Sewers for Scotland' section 4 and 'Civil Engineering Specification for the Water Industry'.
- Top and bottom P.C. rings to be plain ended. Channel to be formed using pre-formed half channel.
- Where pipes are 600mm diameter or greater, handrail, safety chain and toe holes to be provided.
- Connection to be made soffit/soffit where upstream pipe is smaller than outlet pipe. Invert/ invert when upstream pipe is equal or larger than outlet.
- A flexible pipe shall be provided as close as feasible to the outside face of the manhole. The next pipe away will be a rocker pipe. See Clause 4.6.6.2.
- Where there is no change in pipe diameter, the manhole invert shall follow the same gradient as the outgoing sewer.
- Step irons or otherwise to be fitted as required by the Authority's policy.



PLAN



SECTION

TYPICAL HYDROBRAKE CHAMBER DETAIL
SCALE 1:20

NOTES:

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- This document uses status codes in accordance with ISO EN 19650: Work in progress: S0 - WIP Shared (non-contractual): S1 - Coordination, S2 - Information, S3 - Review, S4 & S5 - Approval. Published (contractual): A1, An, etc. (where "n" relates to the project stage)
- This document uses project stages in accordance with the IStructE Structural Plan of Work 2020: 2 - Concept, 3 - Coordination, 4 - Technical Design, 4.5 - Production Design, 5 - Construction, 6 - Handover.
- Only documents with a revision code C# (where '#' relates to a revision number) and status code A5 are suitable for construction. Documents with status code A6 indicate final construction ONLY. Any deviations to that which is on site is not the liability of BKPL.

P01	13.08.25	Issued for Approval	JDE
REV.	DATE	REVISION DETAILS	INITIALS
CURRENT DRAWING REVISION CHECKED BY			EZ
CURRENT DRAWING REVISION APPROVED BY			EZ
DRAWING STATUS:		PROJECT STAGE:	
S4		Stage 2	

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PROJECT:
**Knott Mill Townhouses,
Manchester**

TITLE:
**Drainage Details
Sheet 2**

SCALE (A1)	AUTHOR	DATE	REVISION	BKPL No.
N.T.S	JDE	Aug '25	P01	15606

DRAWING REF:
15606-BKP-XX-XX-DR-C-0511