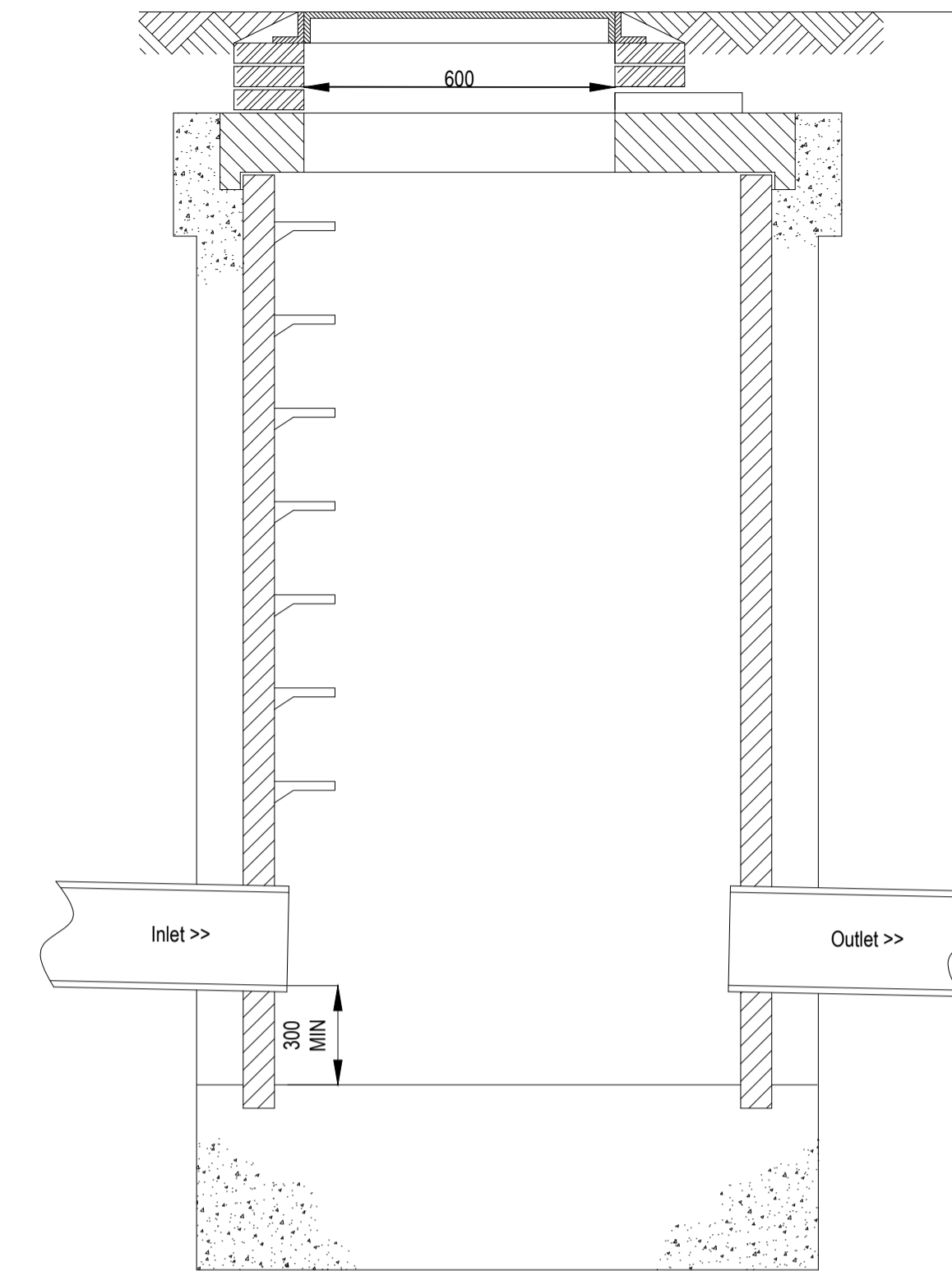
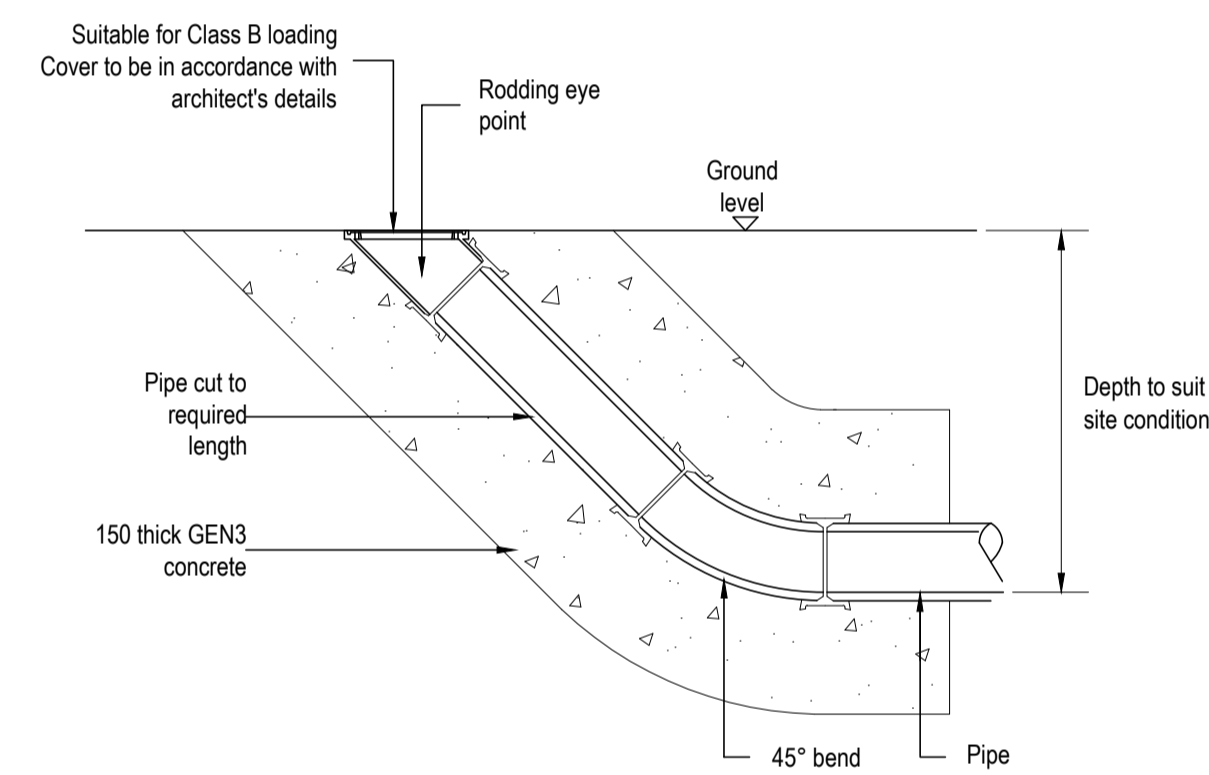


Typical Cellular Storage Tank  
Scale 1:20

Ensure load capabilities of cellular units are suitable for the intended location (i.e private car park area)

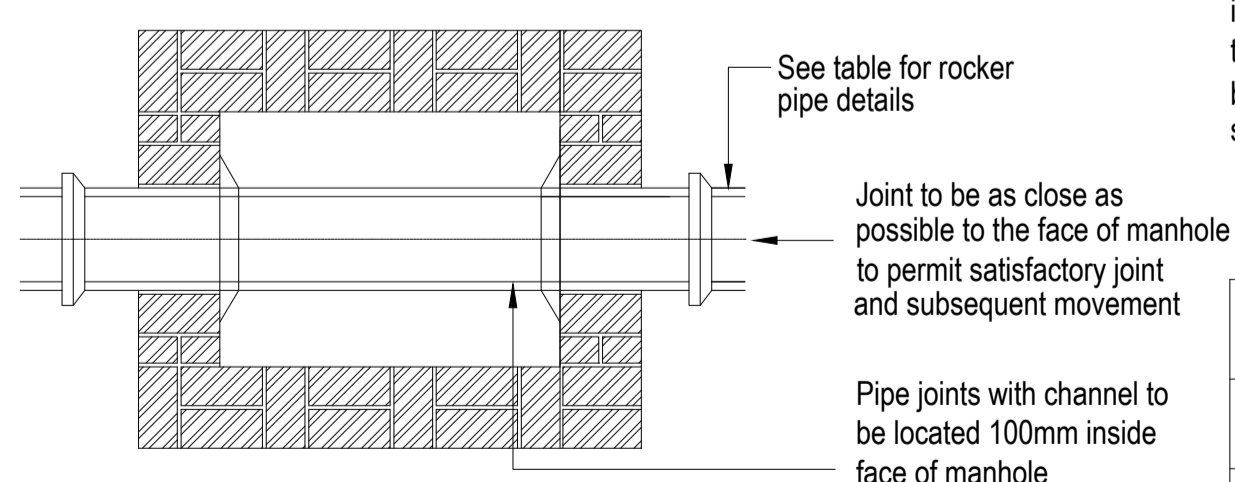
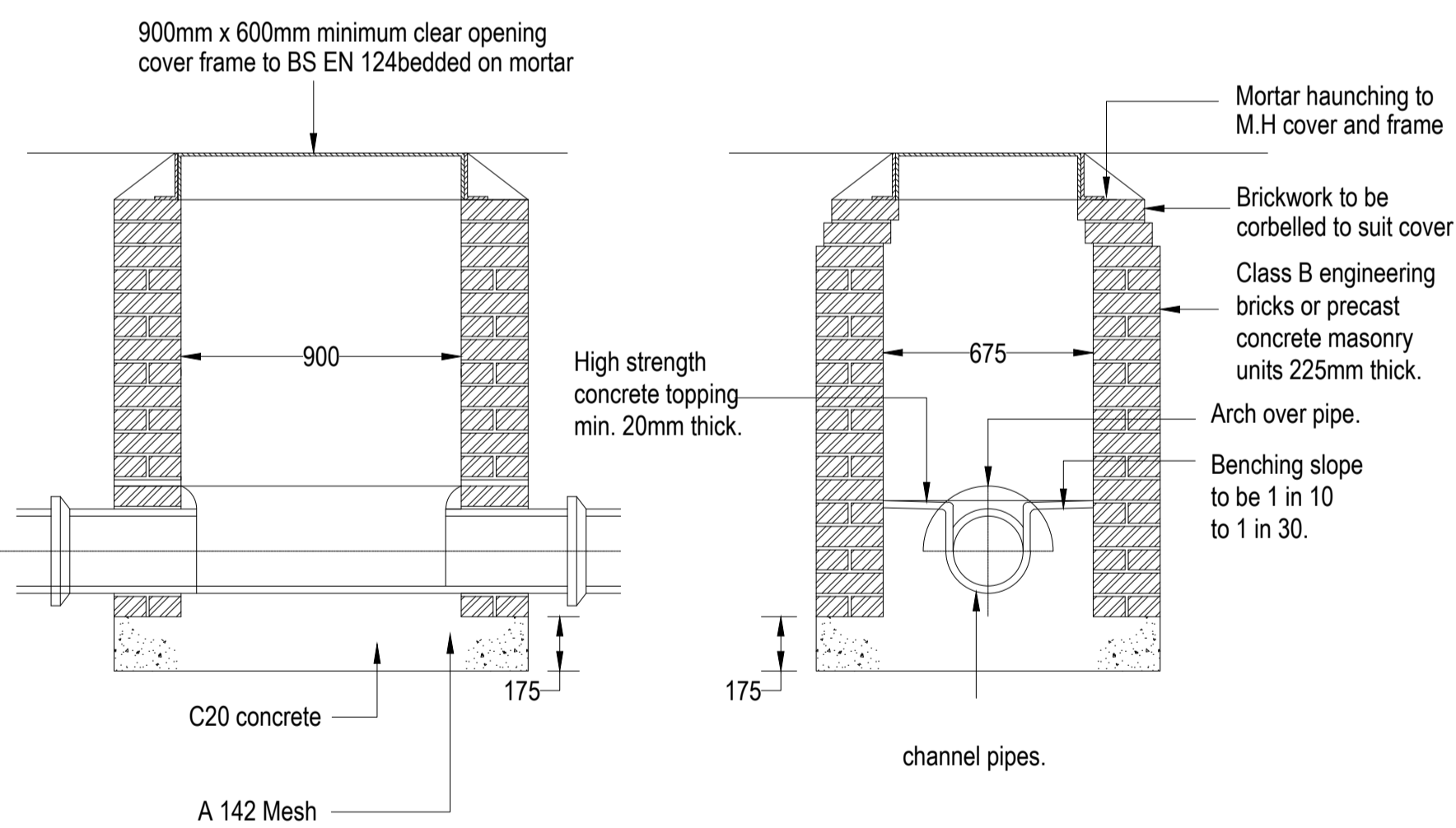


Typical Catchpit Detail  
Construction as per Type B Manhole  
NOT TO SCALE



Rodding Eye  
Scale 1:10

As an alternative to concrete manhole benching, preformed integral benching of thermoplastic or similar construction may be used.

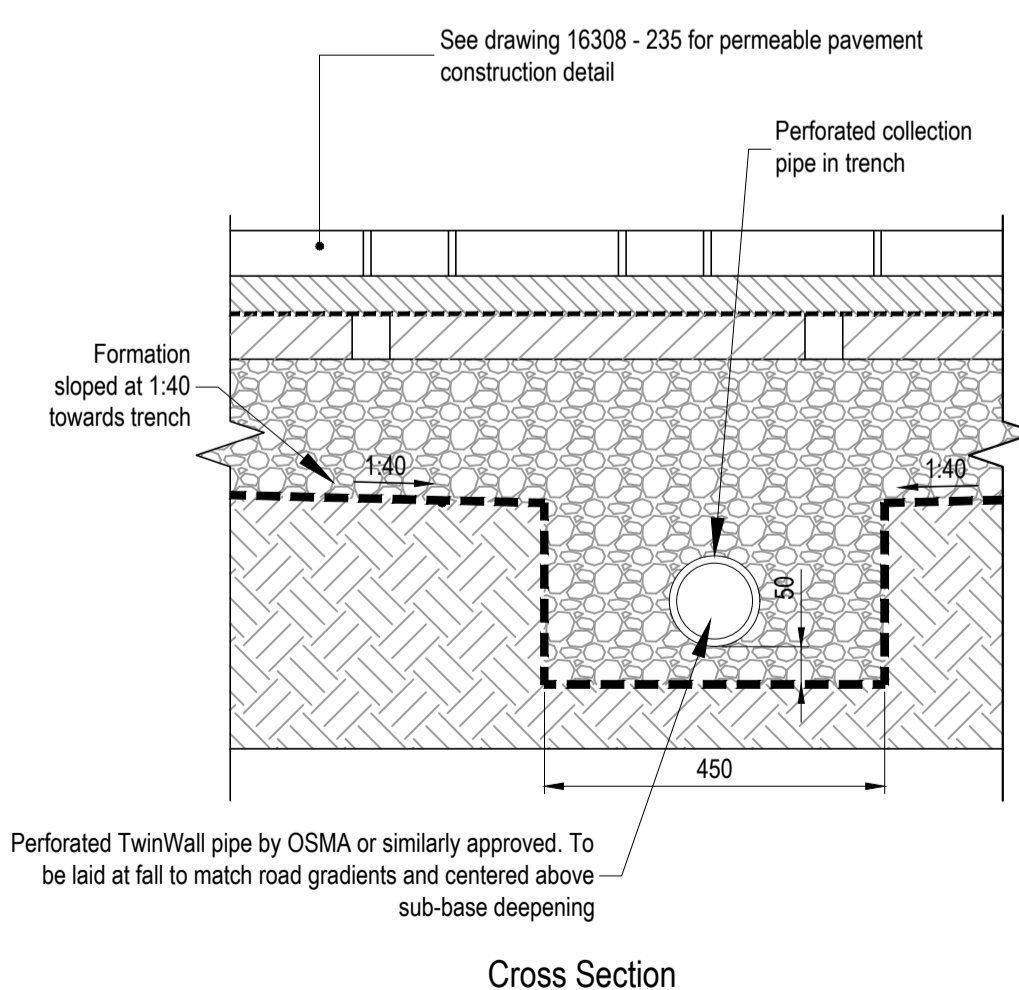


Internal dimensions of manhole normally 900mm x 675mm but manhole width should be increased for pipes larger than 150mm Dia to give 225mm benching each side with the brickwork/masonry units corbelled down to suit cover

ROCKER PIPE LENGTHS	
NOMINAL DIAMETER (mm)	EFFECTIVE LENGTH (m)
150 to 600	0.6
675 to 750	1.0
825 and over	1.25

Manhole covers and frames to be in accordance with Ref section 4.2.30  
Manhole ladders to be in accordance with Ref section 4.2.35  
Step rungs to be in accordance with Ref section 4.2.31

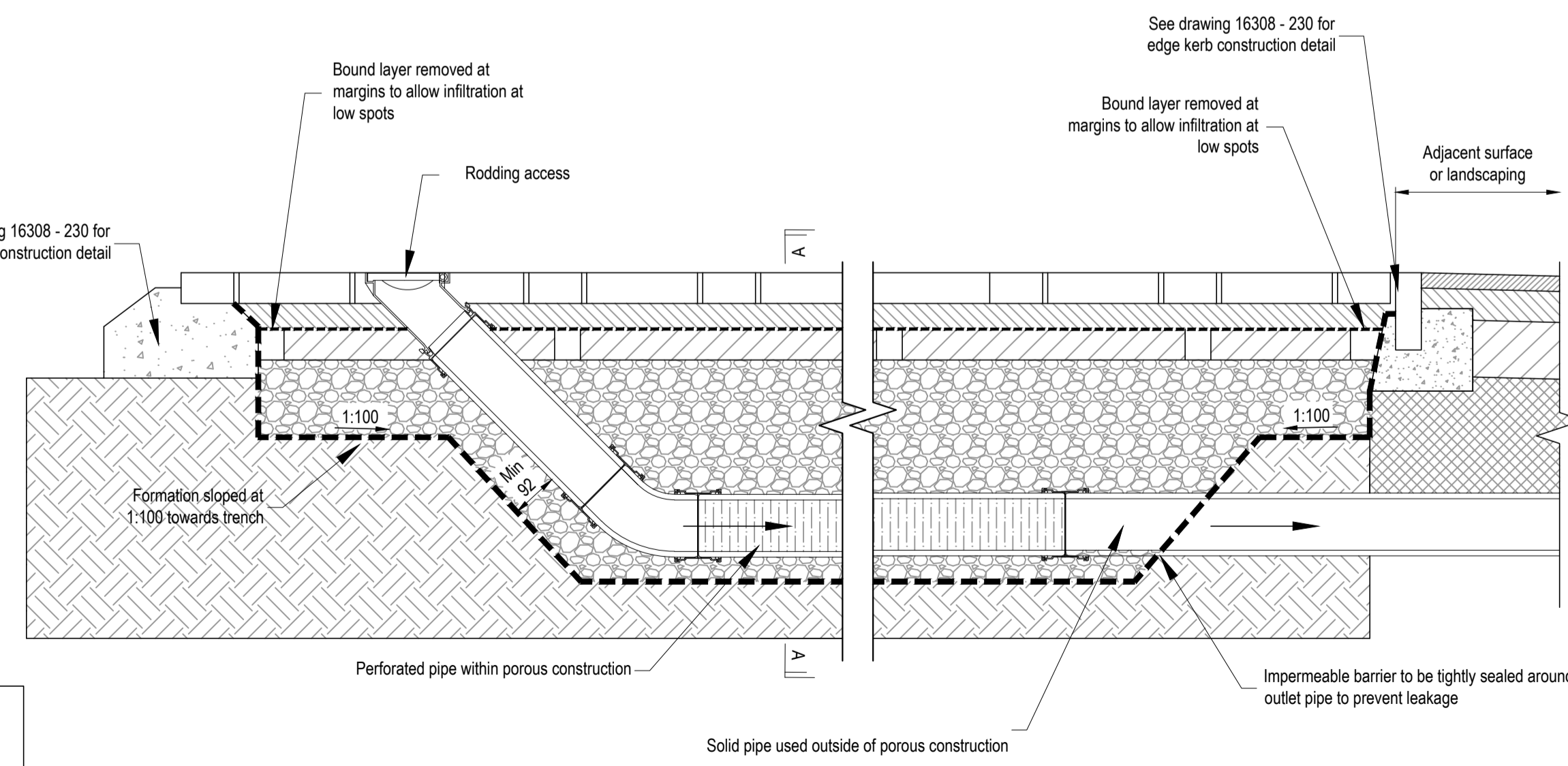
Manhole Detail  
Depth from ground level to soffit of pipe less than 1m.



Cross Section

All materials within 450mm of finished surface level to be non-frost susceptible

Private Parking Bay Construction  
(Permeable Block)  
scale: 1:10



Long Section

PUMPING CHAMBER TO SPECIALIST DESIGN DETAILS AND DRAWINGS

- NOTES
- DO NOT SCALE.
  - This drawing is to be read in conjunction with all other relevant drawings and details.
  - Should there be any conflict between the details indicated on this drawing and those indicated on other drawings the Engineer should be informed PRIOR to construction on site.
  - Until technical approval has been obtained from the relevant Authority, it should be understood that all drawings issued are Preliminary and NOT for construction. Should the contractor commence site work prior to such approval being given, it is entirely at his own risk.
  - All dimensions are in millimetres unless otherwise stated.
  - The NEL Hazard Identification and Risk Assessment information for this project must be reviewed and understood by the contractor PRIOR to the commencement of any works on site.
  - It is the responsibility of the contractor to exclude the works at all times in strict accordance with the requirements of the Health and Safety at Work Act 1974, and the C.D.M. Regulations 2015.
  - It is the responsibility of the Contractor to locate any service apparatus in the vicinity of the works. The Client will accept no claims whatsoever in respect of losses or damage caused in respect of such apparatus, however caused.
  - The Contractor shall check all tie-ins for line and level with existing before commencing any works. The Engineer should be notified immediately in writing, should any errors be found.
  - All levels are related to ordnance datum.
  - All private drainage works to be in accordance with the requirements of Building Regulations 2000, Part H, "Drainage and Waste Disposal".
  - Pipes with less than 600mm cover are to be protected in accordance with Part H.
  - All pipes, chambers and fittings to be installed, bedded and backfilled in accordance with manufacturers instructions.
  - Pipe which run adjacent to buildings shall be installed in strict accordance with Part H, Clauses 2.23 to 2.25.
  - All drains in the vicinity of existing or proposed trees to be constructed in accordance with the requirements of current NHC standards.
  - All existing land drains encountered on site during construction to be re-connected.
  - Should any change in slab level be considered, agreement shall be sought from the clients engineer prior to commencement and shall take full account of all restrictions to the slab level.
  - The layout of pipelines, manholes etc. is designed to suit the permanent case. Additional loads over & above those designed for may arise during the construction process. The Contractor shall provide any necessary temporary protection to ensure that pipelines, manholes etc. are not damaged as a result of his method of working.
  - All Rainwater Pipes are to be constructed to allow rodding from the pipe.
  - The positions of RWP's and foul connection points are shown for information only and are to be confirmed by architect - refer to architects drawings for setting out information.
  - All pipework is to be tested before and after backfilling in accordance with B.S. 1610:1998.
  - All pipework is to be of thermoplastic construction.

CLN	18/01/24	CLN	18/01/24
REV	COMMENT	DATE	CHECKED BY
PROJECT NUMBER	24-0001	SCALE @ A1	As Shown

PURPOSE OF ISSUE  
PRELIMINARY



Suite 105, Pure Offices, Lake View Drive  
Sherwood Business Park, Nottingham, NG15 0DT  
Tel: 07775 437749  
e-mail: crag@noonanengineering.com

PROJECT  
Proposed Residential Development  
Mike Wells Cars, Montague Street,  
Rushden NN10 9TS

TITLE  
Private Drainage Details  
Sheet 2 of 2

CLIENT  
VJS

PROJECT ORIGINATOR FUNCTIONAL SPATIAL FORM DISCIPLINE NUMBER REV  
MMMS-NEL-ZZ-ZZ-DR-C-0246 P01

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