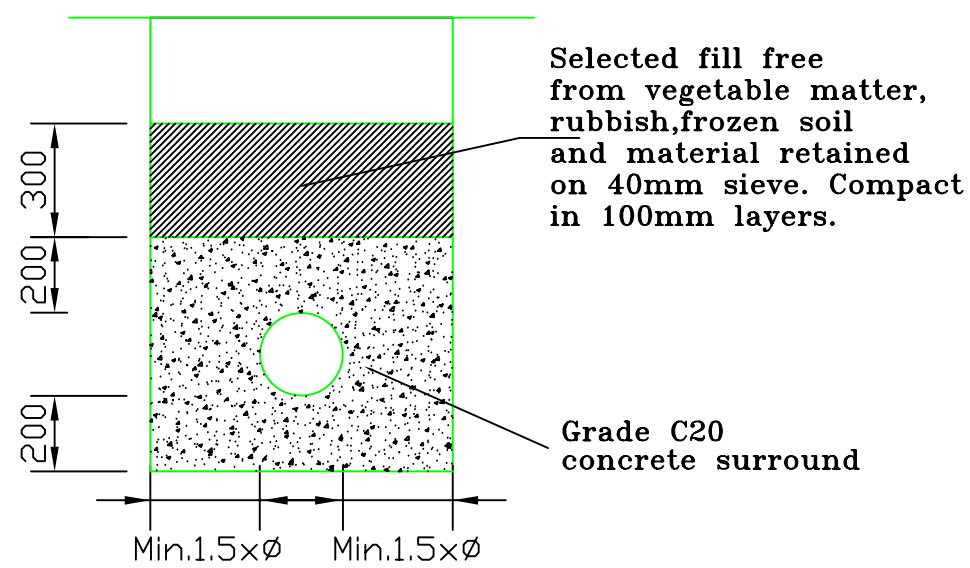
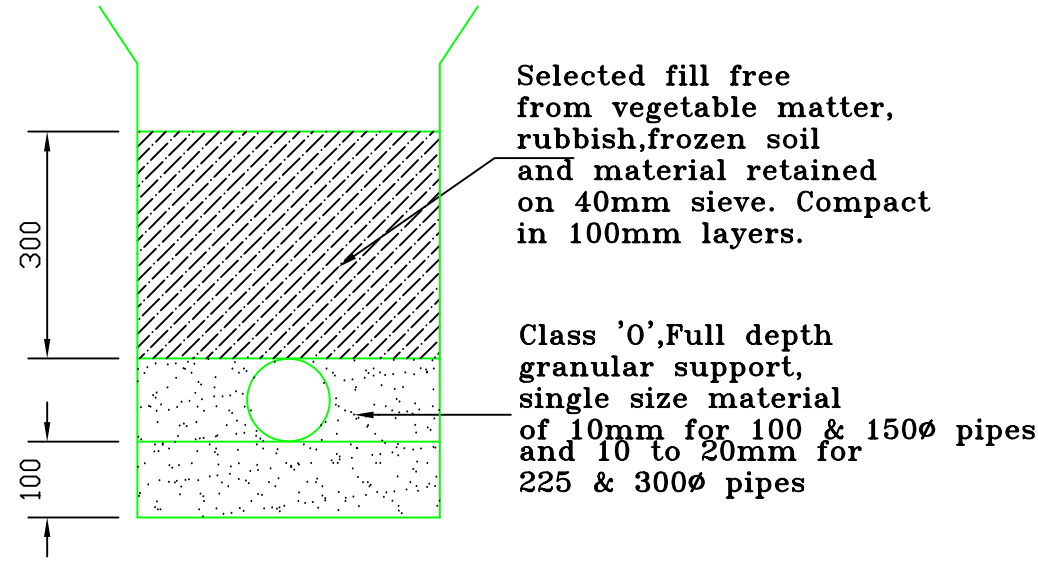




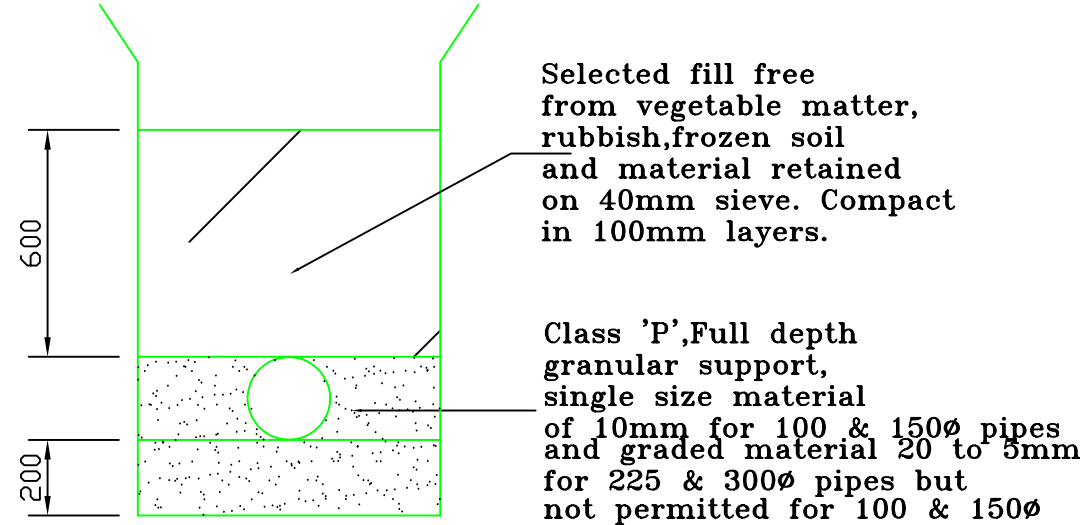
**BEDDING FOR FLEXIBLE
PIPES LESS THAN 900mm
COVER UNDER ROADS**

Scale 1:20



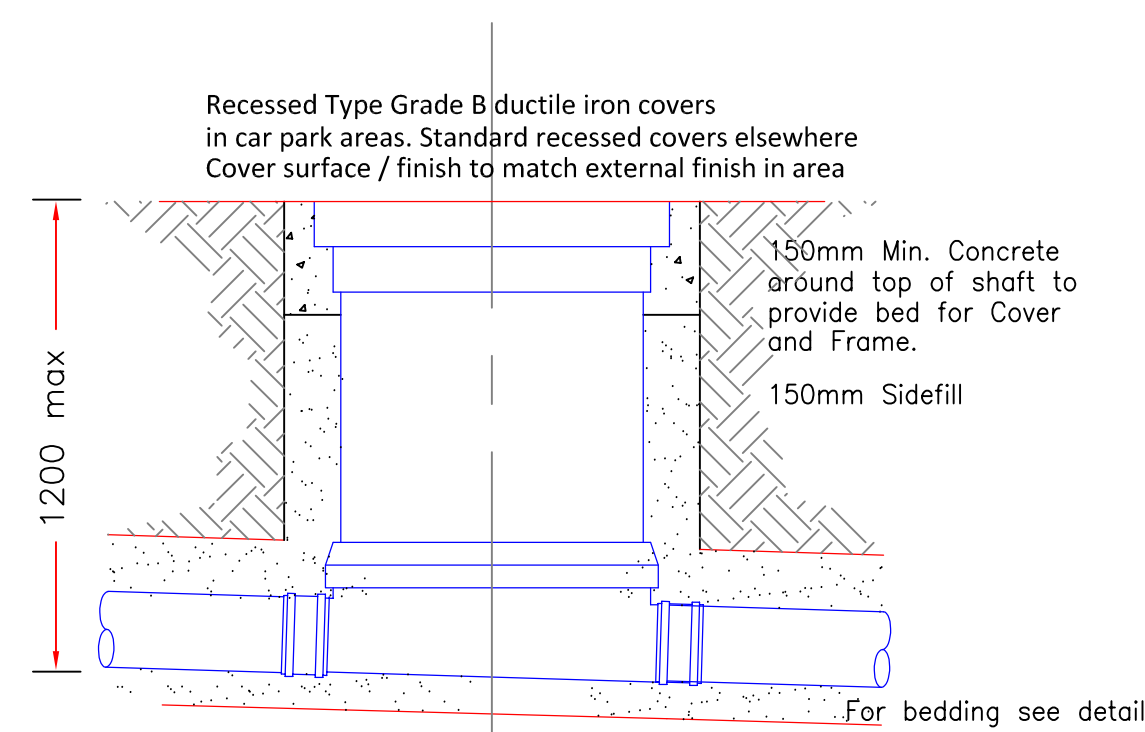
**BEDDING FOR FLEXIBLE
PIPES UNDER ROADS
900 to 1200mm DEEP**

Scale 1:10



BEDDING FOR OTHER FLEXIBLE PIPES

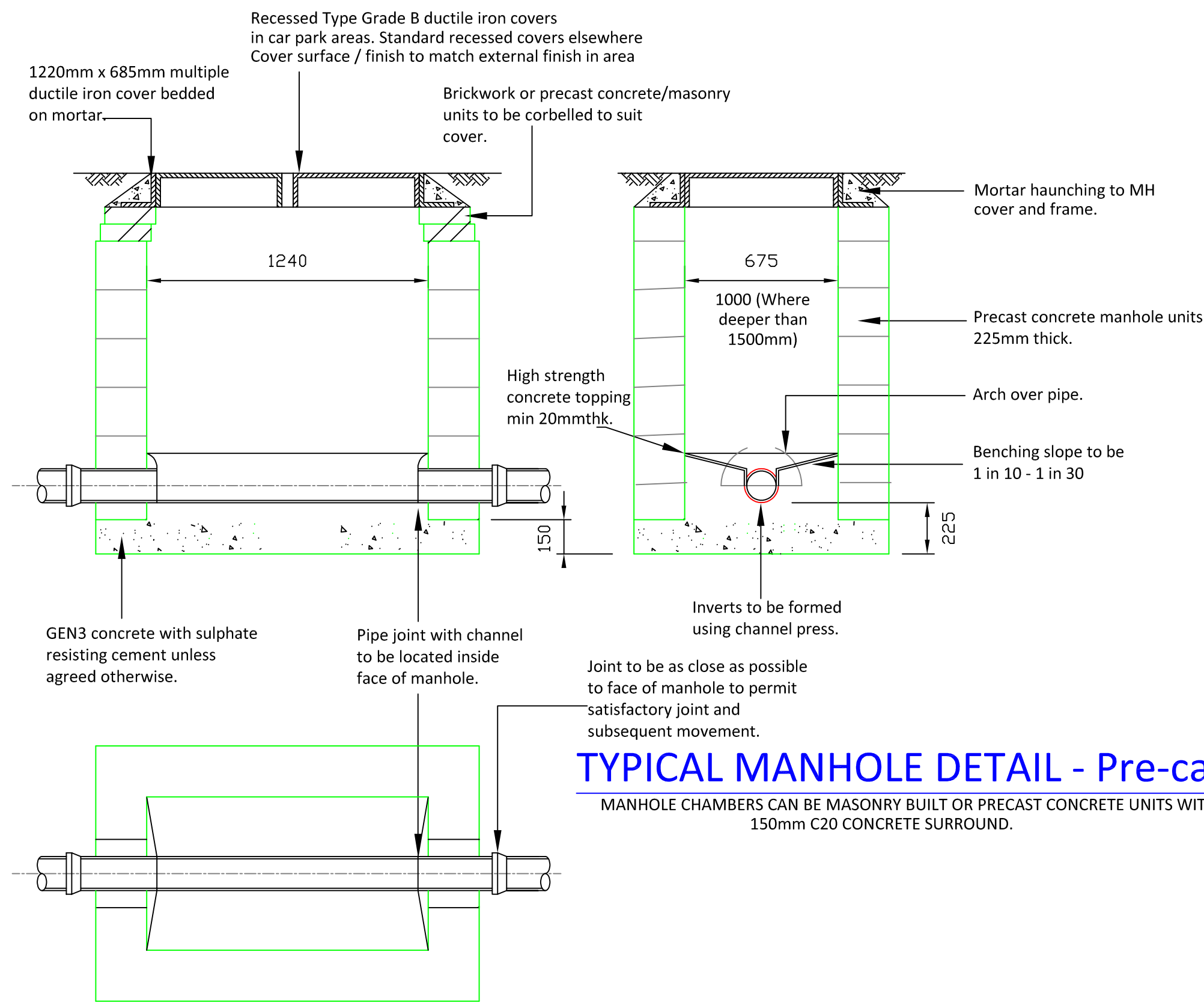
Scale 1:10



**450mmØ INSPECTION CHAMBER
TYPICAL INSTALLATION**

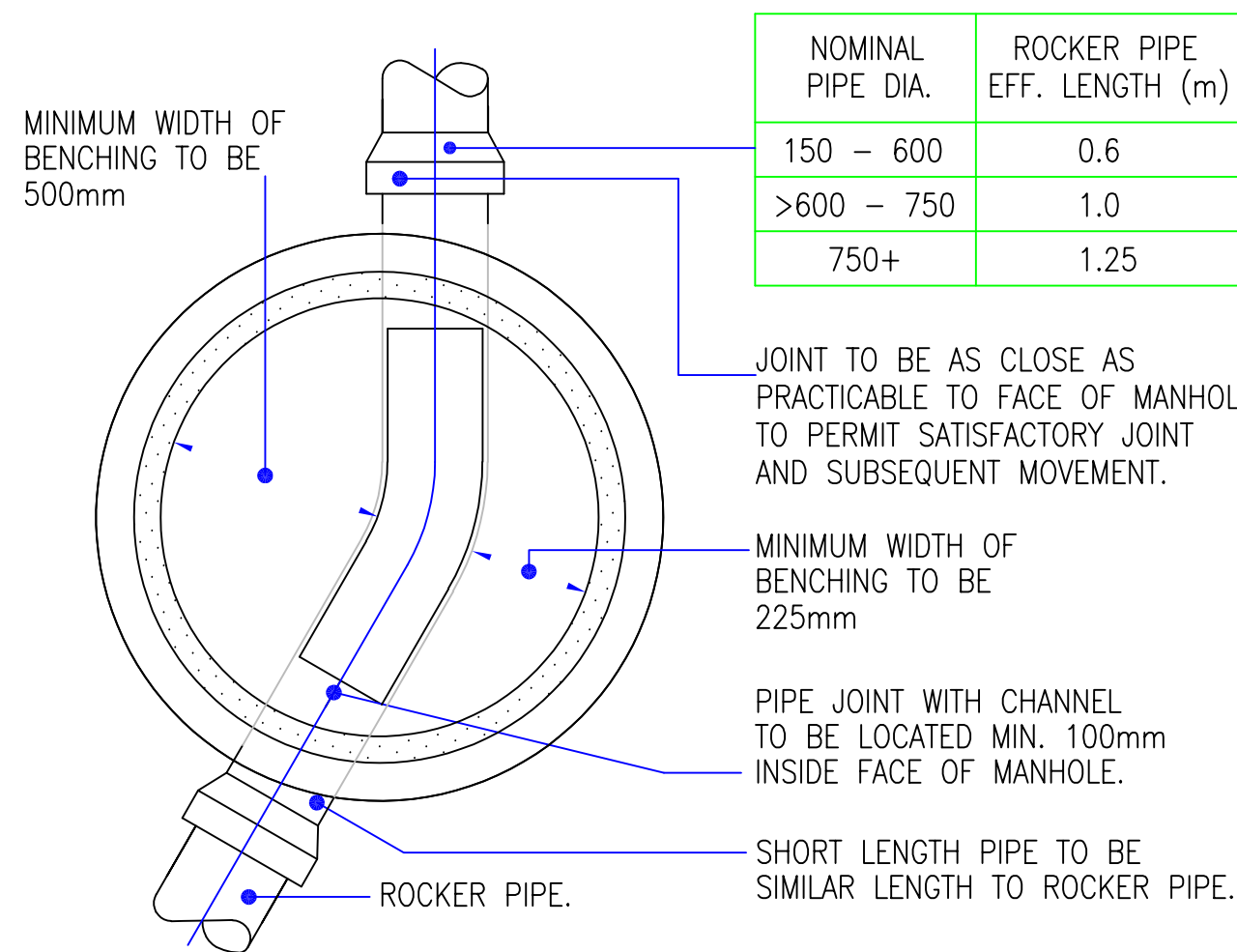
(1:10)

NOTES



TYPICAL MANHOLE DETAIL - Pre-cast units

MANHOLE CHAMBERS CAN BE MASONRY BUILT OR PRECAST CONCRETE UNITS WITH 150mm C20 CONCRETE SURROUND.



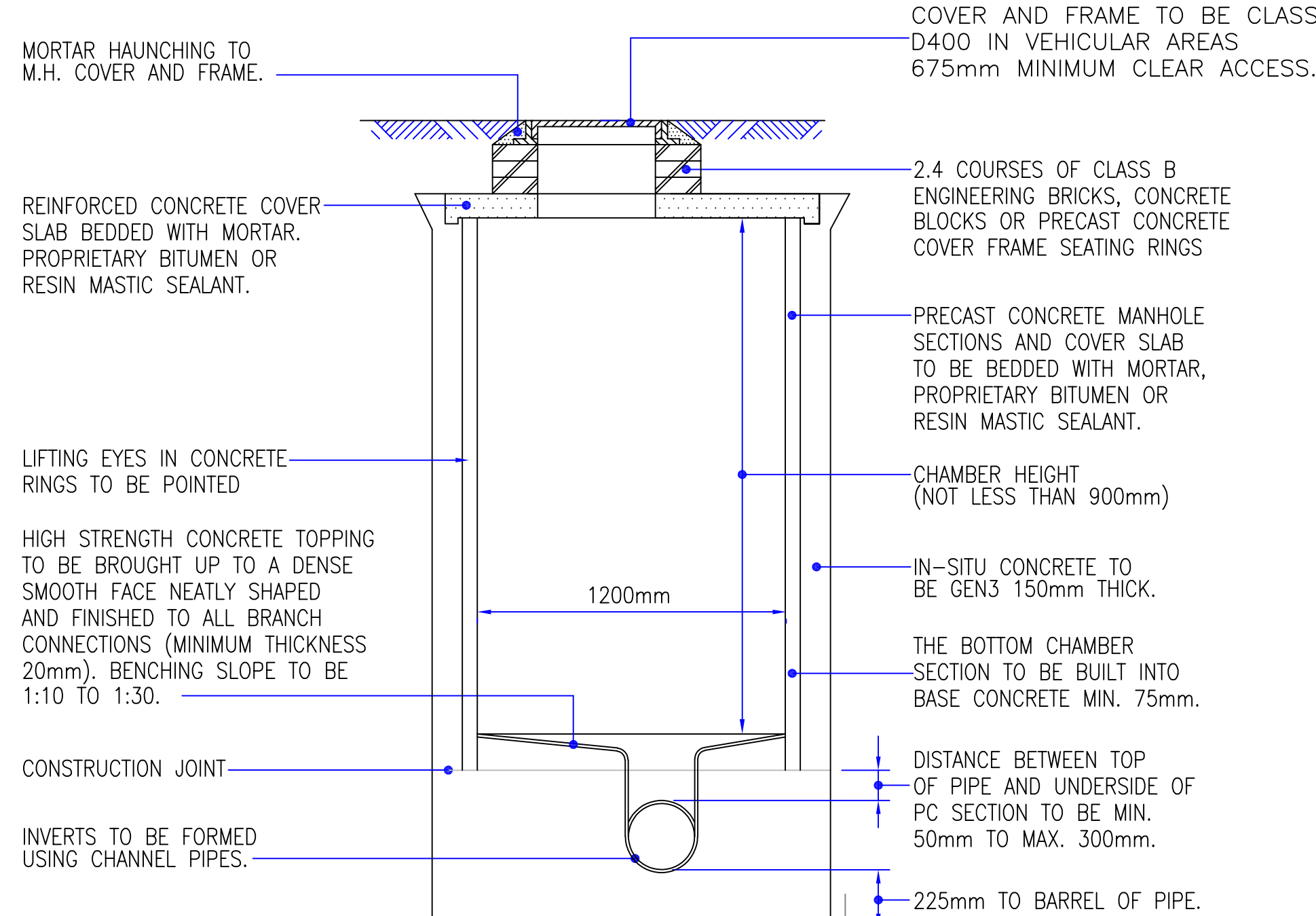
NOMINAL PIPE DIA.	ROCKER PIPE EFF. LENGTH (m)
150 - 600	0.6
>600 - 750	1.0
750+	1.25

JOINT TO BE AS CLOSE AS PRACTICABLE TO FACE OF MANHOLE TO PERMIT SATISFACTORY JOINT AND SUBSEQUENT MOVEMENT.

MINIMUM WIDTH OF BENCHING TO BE 225mm

PIPE JOINT WITH CHANNEL TO BE LOCATED MIN. 100mm INSIDE FACE OF MANHOLE.

SHORT LENGTH PIPE TO BE SIMILAR LENGTH TO ROCKER PIPE.



TYPICAL MANHOLE DETAIL – 1.2mØ PCC Ring (1/20)

KEY

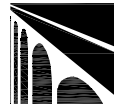
-----	PROPOSED NEW FOUL SEWER
-----	PROPOSED NEW STORM DRAINAGE
-----	EXISTING FOUL DRAINAGE from record drawings
-----	EXISTING STORM DRAINAGE from record drawings
R.E SVP or S	RODDING EYE.
R.W.P or R	SOIL/VENT PIPE (WITH ABOVE GROUND ACCESS AT GROUND FLOOR LEVEL)
G	RAINWATER PIPE (All into roddable gullies or where internal with access at G Floor level)
AAV	GULLY (Trapped and roddable)
○	AIR ADMITTANCE VALVE
○	450mmØ INSPECTION CHAMBER
□	Brick built manhole
○	Pre-cast concrete ring manhole
	Linear drainage channel ACO S100 with bolt down grating, outlet into storm system in locations shown on plan. Installed to suppliers details
+47.920	Proposed levels
+47.920	Existing levels

NOTES

- This drawing is to be read in conjunction with all relevant Engineers and Architects drawings, and the Specification.
- All dimensions are in millimetres unless noted otherwise. All levels are in Metres Above an arbitrary datum and not to Ordnance Datum.
- In accordance with CDM Regulations 2001 the Contractor is to:
 - Notify HSE of works.
 - Comply with the requirements of Health and Safety Plan(if applicable)
 - Provide risk accessments and method statements for all potential hazards relevant to this project.
- The main contractor shall be responsible for the setting out and accuracy of all dimensions. He shall satisfy himself that the information given is correct and any discrepancies should be noted to the Engineer immediately.
- DO NOT SCALE. If discrepancy or query arises on dimensions consult Engineer.
- The Contractor is responsible for specifying product and codes and ordering of drainage materials.
- All drainage to be installed to BS5955 Pt6 and in strict accordance with the manufacturers instructions.

- All PVCu drainage products to conform to BS EN1401 & Kite mark certified in accordance with specification.
- All drainage pipes on this drwg to be 100mmØ unless shown otherwise. Min. falls 1/80 for foul and 1/100 for storm drainage.
- Cover grades are in accordance with BS497 Pt 1 Cover Grades :- D400 – carriageways. B125 – carriageways for slow traffic. A15 – inaccessible to vehicles
- Sewer runs and manholes to be adopted are to be in accordance with Sewers for Adoption, 5th Edition.
- Any drainage laid less than 600mm below FGL to be covered with minimum 150mm Gen 3 grade concrete to half diameter.
- No foul drainage sewer connection works to be undertaken until permission to discharge has been granted by Southern Water.
- Soakaways to be a minimum of 5.0m from existing and new buildings.
- Provide 100x100 PCC lintel max span 650mm where svp exit the building.
- ACO channels installed and bedded to manufacturers requirements.

DO NOT SCALE THIS DRAWING

Date	By	Revision	QA'D	Chk'd	Ref
Status					
PRELIMINARY					
 Cowan Consultancy STRUCTURAL, CIVIL AND BUILDING CONSULTANTS			Also at: Landguard Manor Landguard Manor Road Shanklin Isle of Wight PO37 7JB		
3 Turnberry House 4400 Parkway Whiteley Fareham Hampshire PO15 7FJ			Tel: 01489 577488 Fax: 01489 579873 consultants@cowanconsult.co.uk www.cowanconsult.co.uk		
Client Prestige Homes					
Project 7 Selsmore Avenue Hayling Island					
Title Drainage Details					
Date	Mar 19	Scale 1/50 & As shown	Drg. No.		
Drawn	EG	Chk'd	QA'D	414274.02P1	