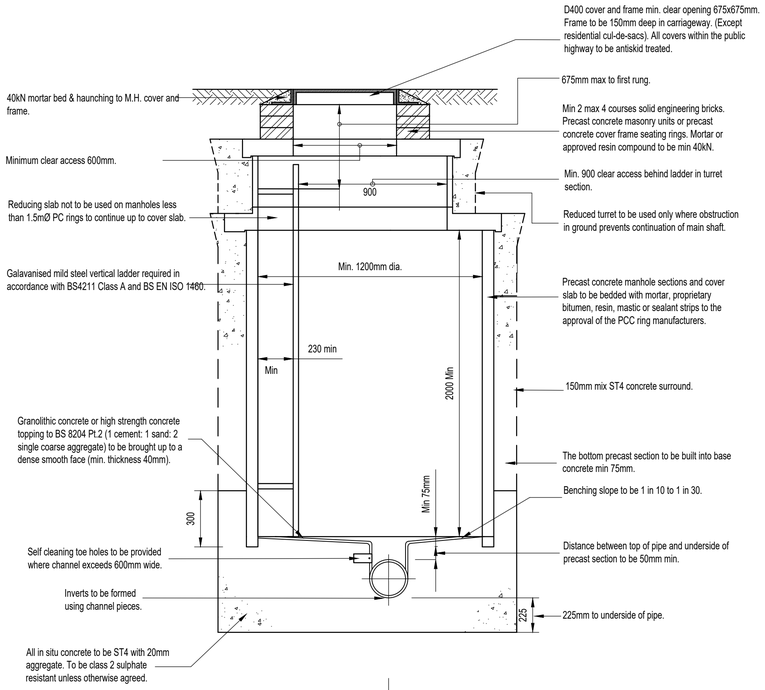
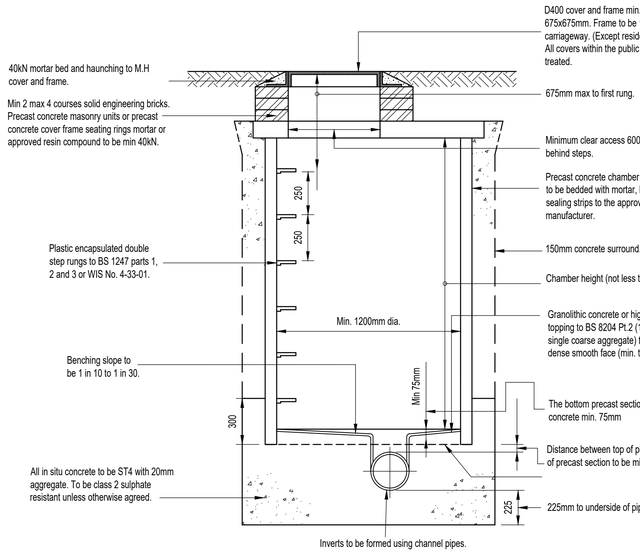
A1

TYPICAL MANHOLE CHAMBER SIZES*	
Dia. largest pipe in manhole.	Chamber section dia. required.
< 375	1200
375-450	1350
500-700	1500
750-900	1800

*For guidance only, refer to drg PJS21-065-508 Manhole Schedules

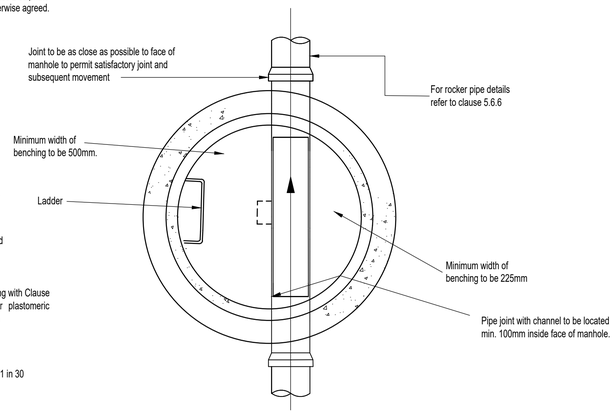
Int. Pipe Dia. (mm)	Ext. Pipe Over Barrel (Bc)	Agg. size for graded bedding material
150 225 300	203 286 375	14 to 5 mm
375 450 525 600 675 750	457 540 622 705 787 870	20 to 5 mm
825 900 975 1050 1125 1200 1275 1350 1425 1500 1575 1650 1725 1800 1875 1950	952 1035 1118 1194 1295 1372 1448 1549 1638 1715 1803 1880 1969 2057 2134 2210	40 to 5 mm





Notes.

1. Do not scale this drawing. If in doubt, ask.
2. This drawing is to be read in conjunction with all other relevant Engineers, Architects and specialist design drawings and details.
3. All dimensions are in millimetres unless noted otherwise. All levels are in metres unless noted otherwise.
4. Any discrepancies noted on site are to be reported to the Engineer immediately.
5. The Contractor shall check all tie-ins for line and level with existing before commencing any works. The Engineer shall be notified immediately in writing, should any errors be found.
6. 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 any losses or damage caused in respect of such apparatus, however caused.
7. It is the responsibility of the Contractor to execute 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. The Contractor will be deemed to have allowed for full compliance, including full liaison with the Principal contractor/ designer, within his rates.
8. The Contractor is responsible for ensuring that all works are to the satisfaction of the Engineer, and shall be deemed to have included within his rates for any necessary testing.
9. Sewers shall be constructed to the satisfaction of Severn Trent Water and in accordance with the Design and Construction Guidance (DCG).
10. All specification clauses refer to the aforementioned document.
11. This drawing is intended for guidance only, is not fully comprehensive and must be read in conjunction with the above document, which will supersede this document in the event of conflict.
12. Flows in existing sewers shall be maintained at all times.
13. Manholes with outgoing pipes greater than 600mm diameter shall be fitted with safety chains, guard bars or similar.
14. All lifting eyes in P.C.C. products shall be pointed smooth after fixing.
15. Corbelling of brickwork shall note exceed 30mm per course.
16. Cut pipes to be machined cut and ground smooth.
17. All cement and concrete products to use sulphate resisting cement.
18. All pipework to have spiggot and socket flexible joints unless otherwise specified.
19. Wherever appropriate, geotextiles shall be used to contain bedding material e.g. in areas of running sand.
20. Manhole rings are not to be cut.

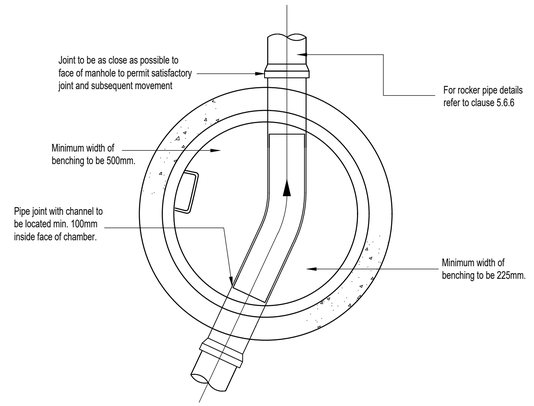


PLAN

TYPICAL MANHOLE DETAIL TYPE A

DEPTH FROM C.L. TO SOFFIT 3.0m TO 6.0m

SCALE 1:20

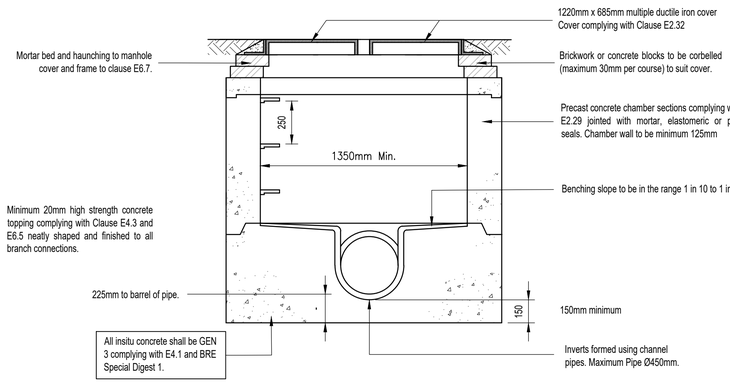


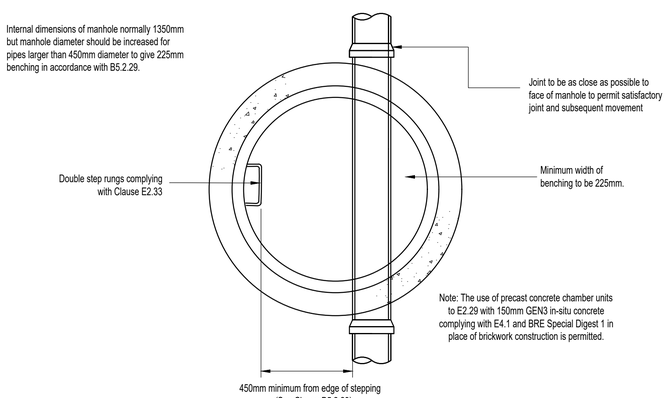
PLAN

TYPICAL MANHOLE DETAIL TYPE B

DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 1.5m TO 3.0m

SCALE 1:20



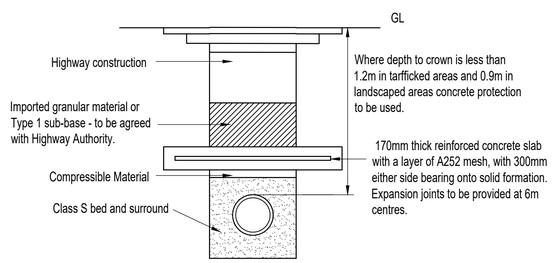


TYPICAL MANHOLE DETAIL TYPE C

DEPTH FROM C.L. TO SOFFIT LESS THAN 1.5m

MAXIMUM PIPE SIZE 450MM DIAMETER

SCALE 1:20



PROTECTIVE CONCRETE SLAB DETAIL

NTS

Rev	Date	Amendments	By	Chk

PJS Consulting Engineers Limited, Geneva II, Lakeview, Sherwood Business Park, Nottingham, NG15 0ED
Registered number: 10815993 Tel: 0115 704 3969 Email: Enquiries@pjs-ce.co.uk

Client

Davidsons Homes

Project

Lutterworth Road, Burbage

Drawing Title

Phase 2
Drainage Construction Detail

	Drawn	Checked	Status	Scale
Initial	LD	TN	Tender	1:500
Date	??/05/24	??/05/24		

Project Number	Drawing Number	Revision
PJS21-065	DR-P2-910	-