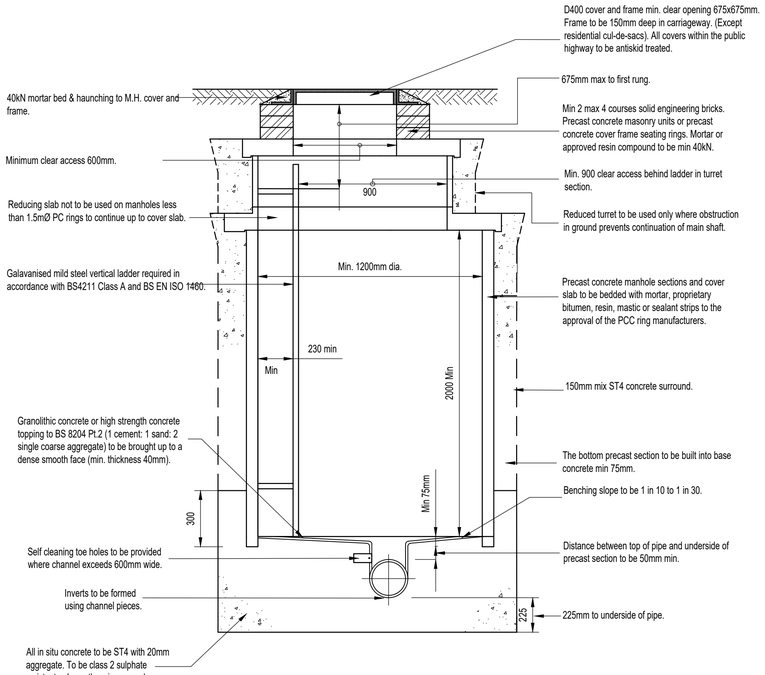
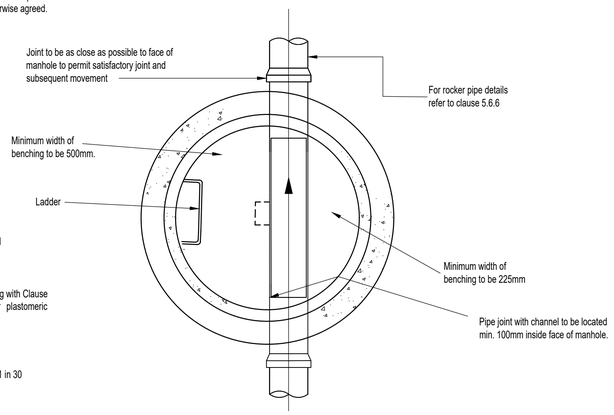
A1

| 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<br>225<br>300 | 203<br>286<br>375 | 14 to 5 mm |
| 375<br>450<br>525<br>600<br>675<br>750 | 457<br>540<br>622<br>705<br>787<br>870 | 20 to 5 mm |
| 825<br>900<br>975<br>1050<br>1125<br>1200<br>1275<br>1350<br>1425<br>1500<br>1575<br>1650<br>1725<br>1800<br>1875<br>1950 | 952<br>1035<br>1118<br>1194<br>1295<br>1372<br>1448<br>1549<br>1638<br>1715<br>1803<br>1880<br>1969<br>2057<br>2134<br>2210 | 40 to 5 mm |



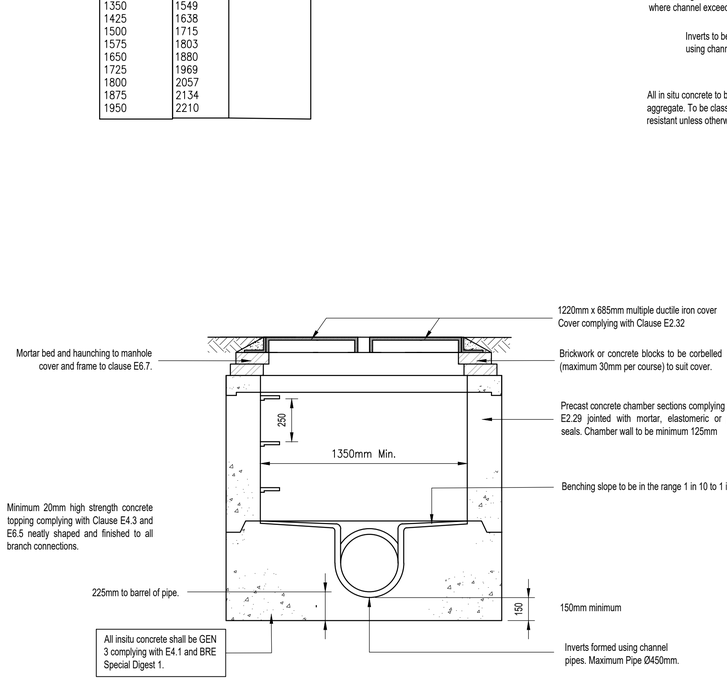



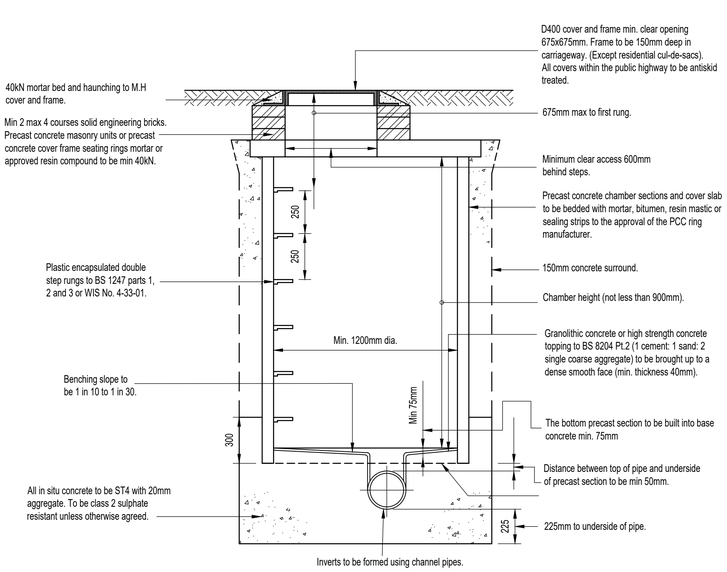

PLAN

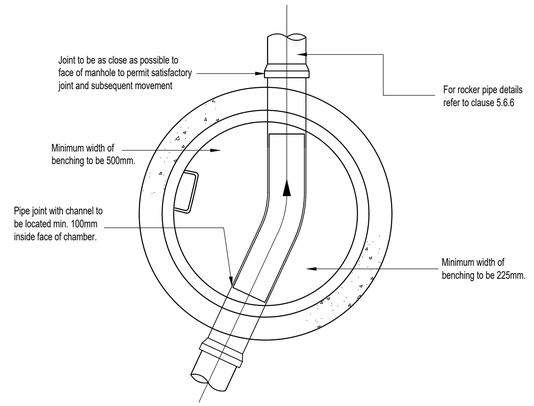
TYPICAL MANHOLE DETAIL TYPE A

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

SCALE 1:20




PLAN

TYPICAL MANHOLE DETAIL TYPE B

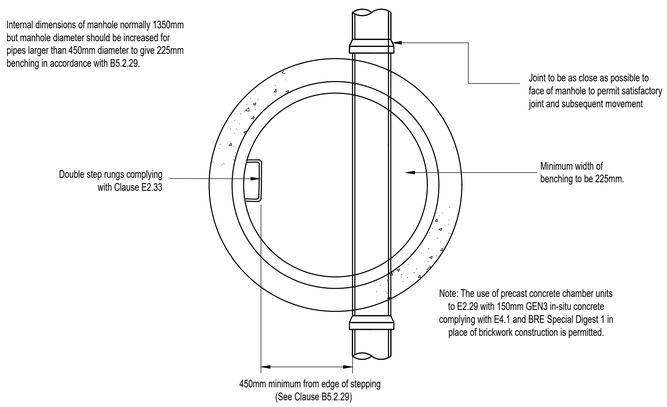
DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 1.5m TO 3.0m

SCALE 1:20

## Notes.

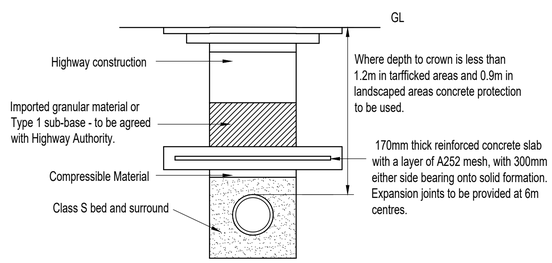
1. Do not scale this drawing. If in doubt, ask.
2. This drawing is to be read in conjunction with all other relevant Engineers, Architects and specialist design drawings and details.
3. All dimensions are in millimetres unless noted otherwise. All levels are in metres unless noted otherwise.
4. Any discrepancies 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.

ANY WORKS CARRIED OUT ON SITE PRIOR TO RECEIVING TECHNICAL APPROVALS WILL BE UNDERTAKEN AT THE DEVELOPERS RISK



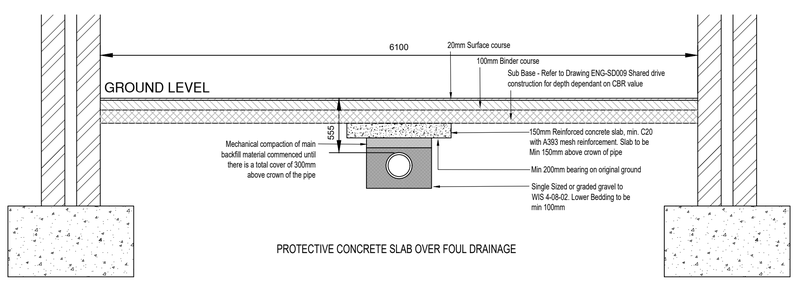

TYPICAL MANHOLE DETAIL TYPE C

DEPTH FROM C.L. TO SOFFIT LESS THAN 1.5m
MAXIMUM PIPE SIZE 450MM DIAMETER
SCALE 1:20




PROTECTIVE CONCRETE SLAB DETAIL

NTS




PROTECTIVE CONCRETE SLAB OVER FOUL DRAINAGE

| | | | | |
|---|---|---|---|---|
| B | 13.12.23 | Foul drainage cross section Updated | DC | TN |
| A | 21.11.23 | Foul drainage cross section added as per IWNL request | DC | TN |
| Rev | Date | Amendments | By | Chk |

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Registered number: 6815595 Tel: 01509 507 507 Email: pjs@pjs-ce.co.uk

Client

Davidsons Homes

Project

Lutterworth Road, Burbage

Drawing Title

Drainage Construction Details

| | Drawn | Checked | Status | Scale |
|---|---|---|---|---|
| Initial | ML | TN | Approval | As Shown |
| Date | 25/10/22 | 25/10/22 | | |

| Project Number | Drawing Number | Revision |
|---|---|---|
| PJS21-65 | DR-910 | B |