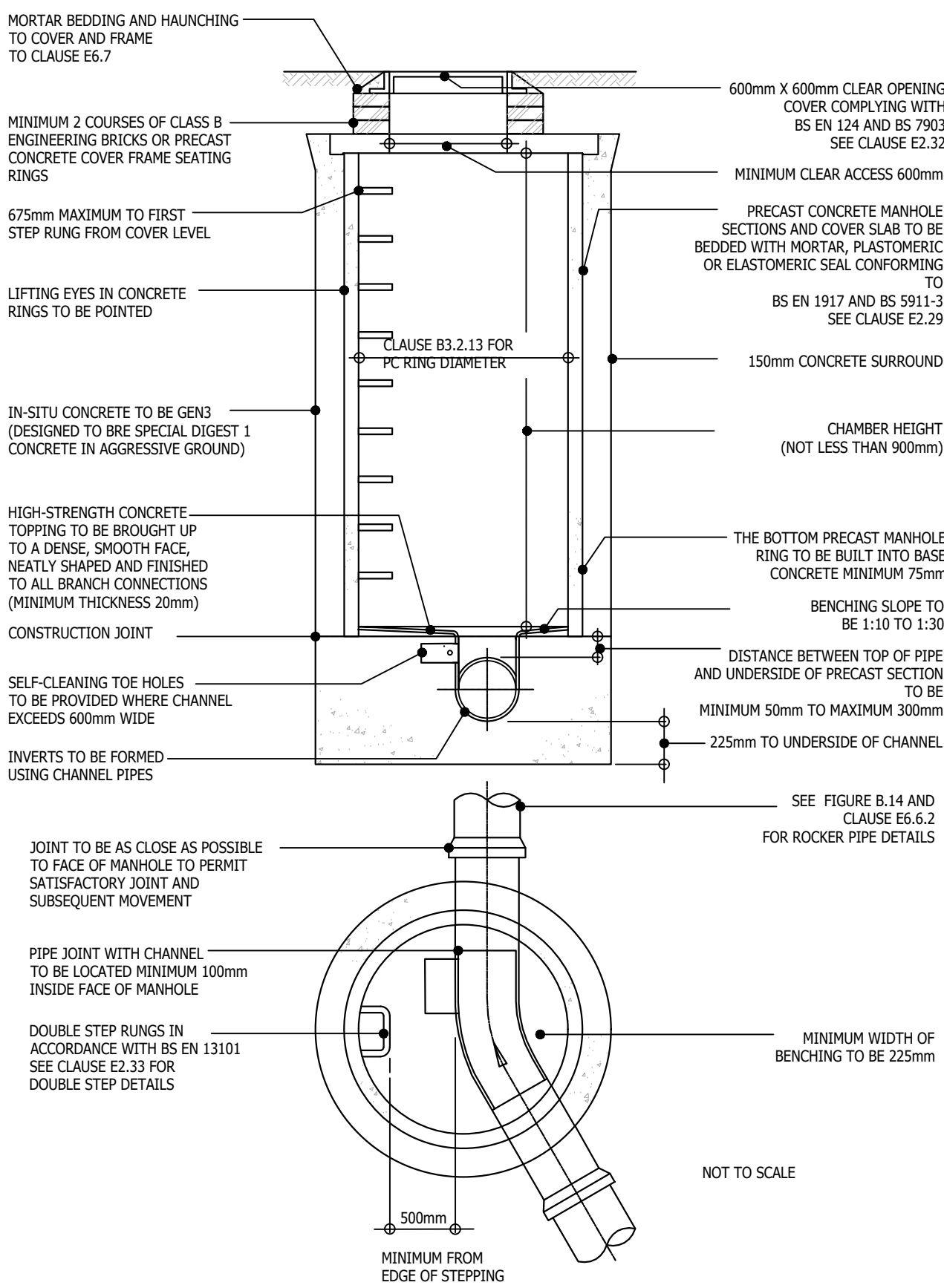


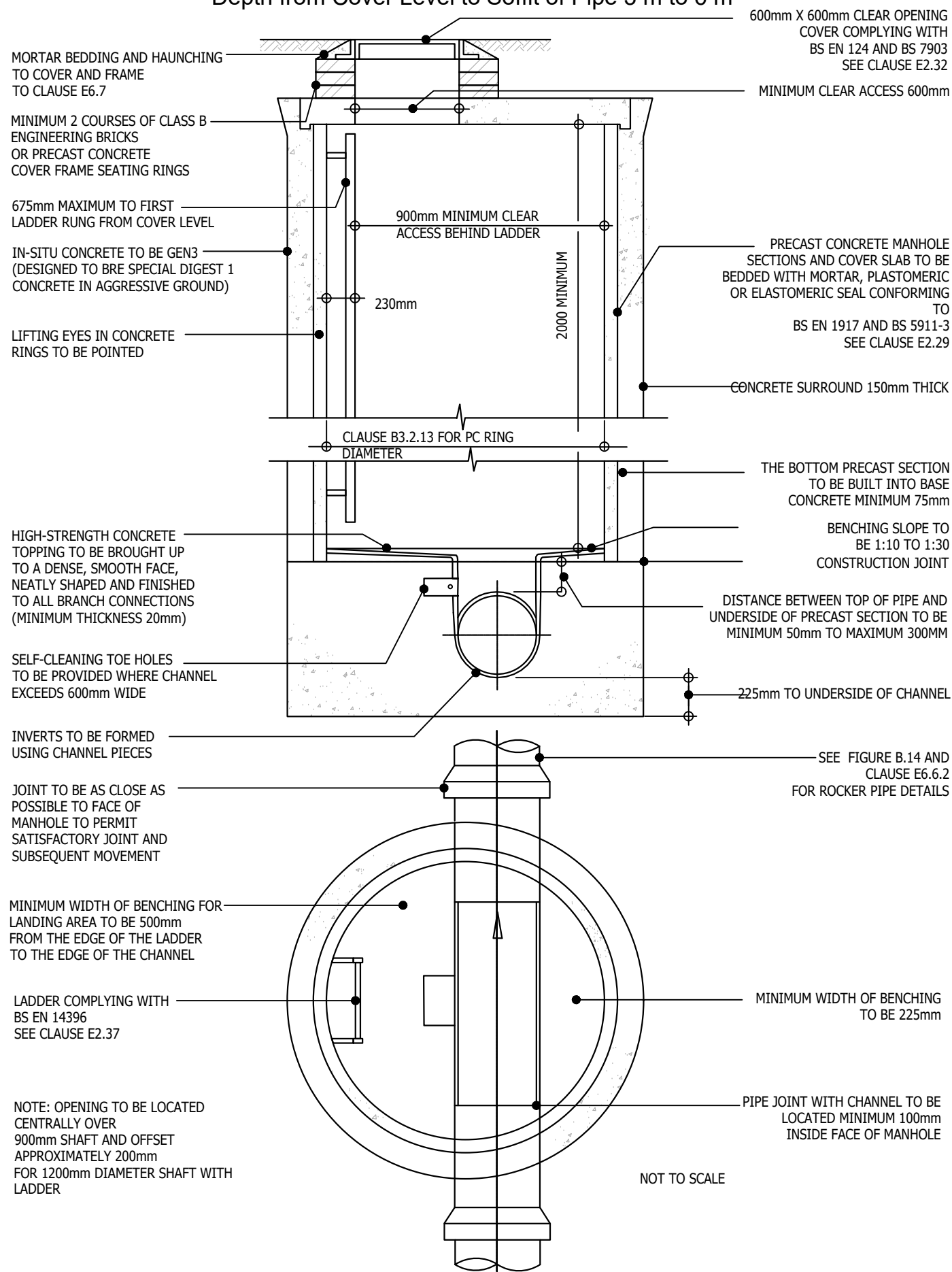
TYPICAL MANHOLE DETAIL - TYPE B

Maximum Depth from Cover Level to Soffit of Pipe 3.0 m



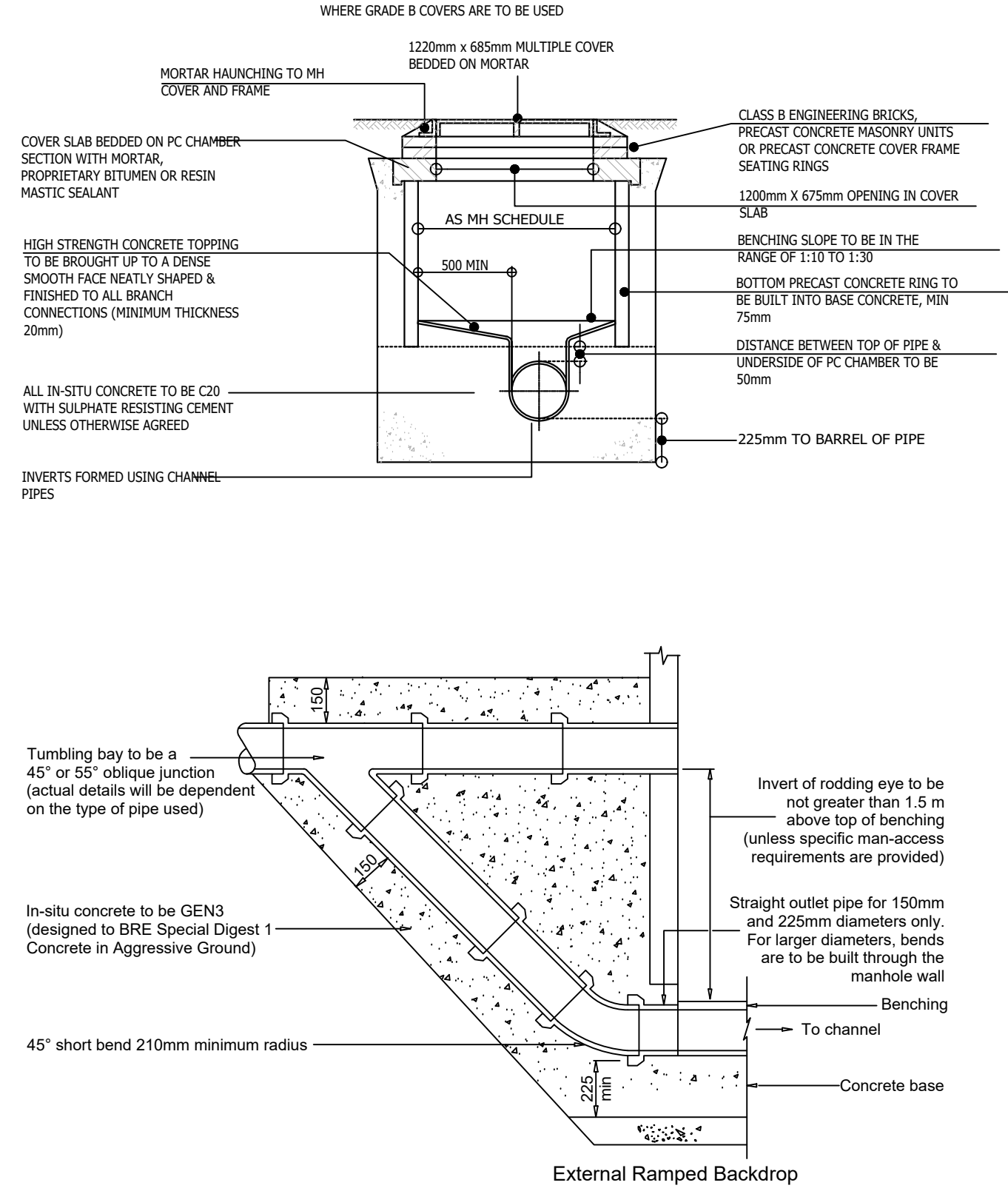
TYPICAL MANHOLE DETAIL - TYPE A

Depth from Cover Level to Soffit of Pipe 3 m to 6 m



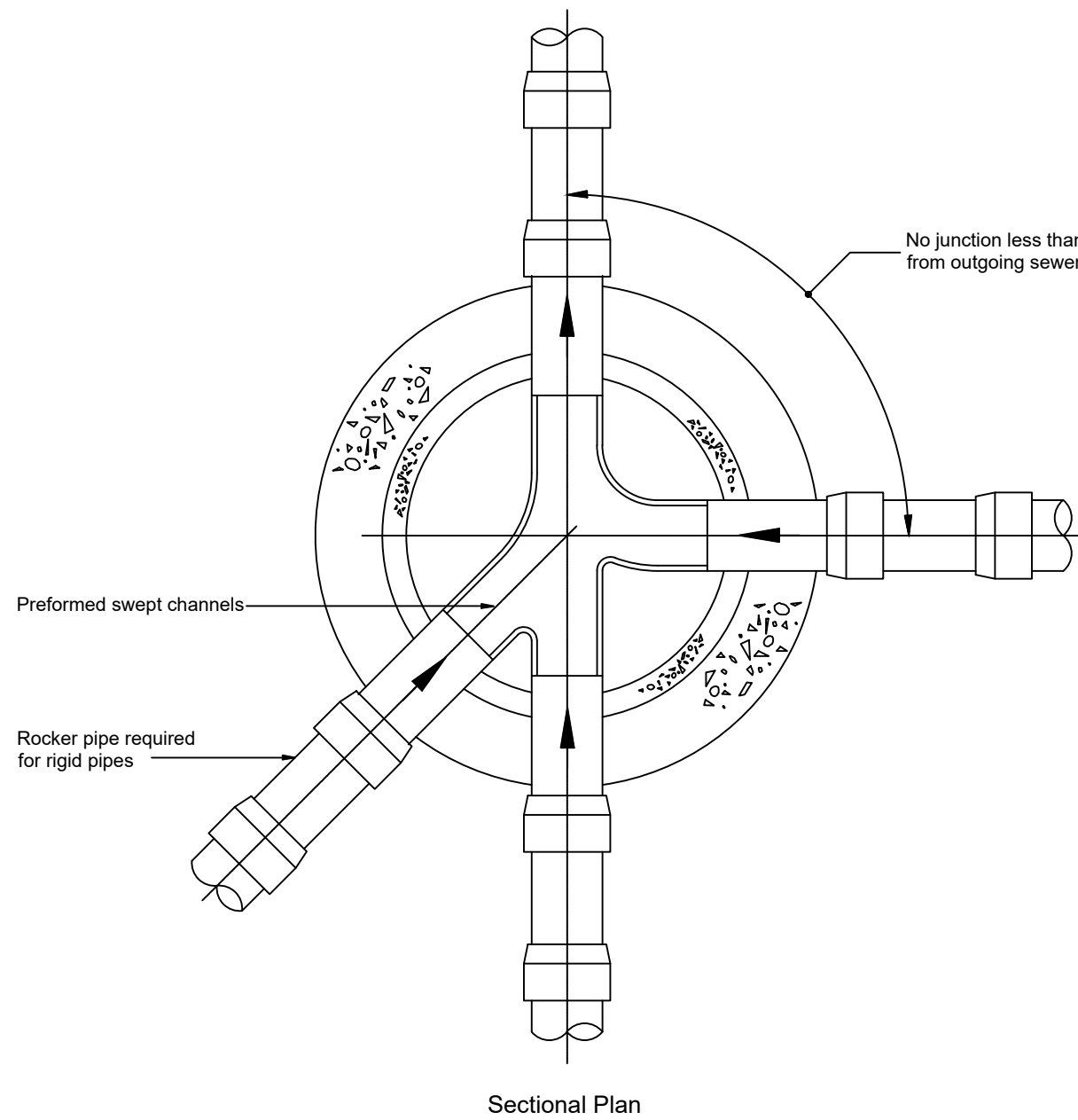
TYPICAL MANHOLE DETAIL - TYPE E

DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 1.0m TO 1.45m



Not to scale, dimensions in millimetres

FIGURE B.14  
TYPICAL ARRANGEMENT OF PIPE JUNCTIONS WITHIN MANHOLES



ALL DRAINAGE PIPEWORK MATERIAL UP TO 300mm TO BE VITRIFIED CLAY, HIGH STRENGTH. ABOVE 300mm TO BE HIGH STRENGTH CONCRETE

ALL WORK TO BE AS SEWERS FOR ADOPTION, 6TH EDITION+TECH ADDENDUM & ANY SOUTHERN WATER AMENDMENTS TO THIS EDITION

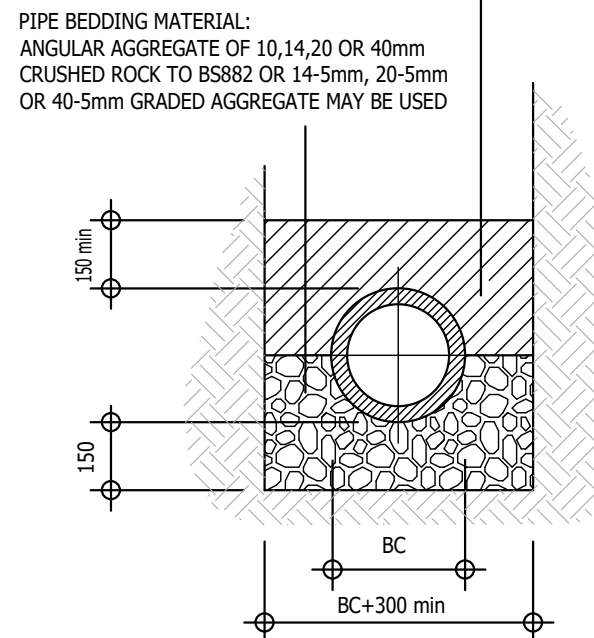
IMPORTANT NOTE:  
ALL WORKS TO ADOPTABLE SECTION 104 SURFACE WATER AND FOUL WATER SEWERS WILL BE AT RISK UNTIL SECTION 104 TECHNICAL APPROVAL

Rigid pipes built into manhole should have a flexible joint as close as feasible to the external face of the structure and the length of the next rocker pipe should be as shown.

| Nominal diameter (mm) | Maximum effective length (m) |
|-----------------------|------------------------------|
| 150 - 600             | 0.6                          |
| 601 - 750             | 1.00                         |
| over 750              | 1.25                         |

All pipes entering the bottom of the manhole to have soffits level.

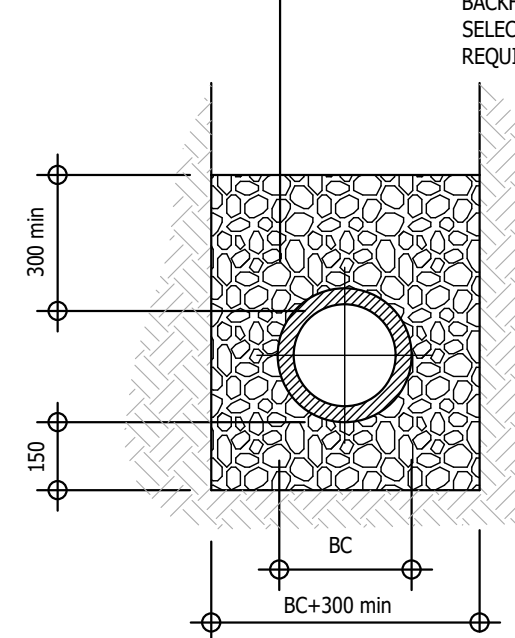
SIDE AND BACKFILL:  
SELECTED SUITABLE AS-DUG MATERIAL ABOVE PIPES, FREE FROM COHESIVE LUMPS GREATER THAN 75mm AND STONES GREATER THAN 40mm WITH A CF VALUE OF 0.30 MAX AS DETERMINED BY A COMPACTION FRACTION TEST TAKEN ON A REPRESENTATIVE SAMPLE OF THE SELECTED MATERIAL



CLASS B BEDDING

FOR USE WHERE COVER TO CROWN OF PIPE IS GREATER THAN 900mm UNDER VERGES, FOOTWAYS & CYCLEWAYS

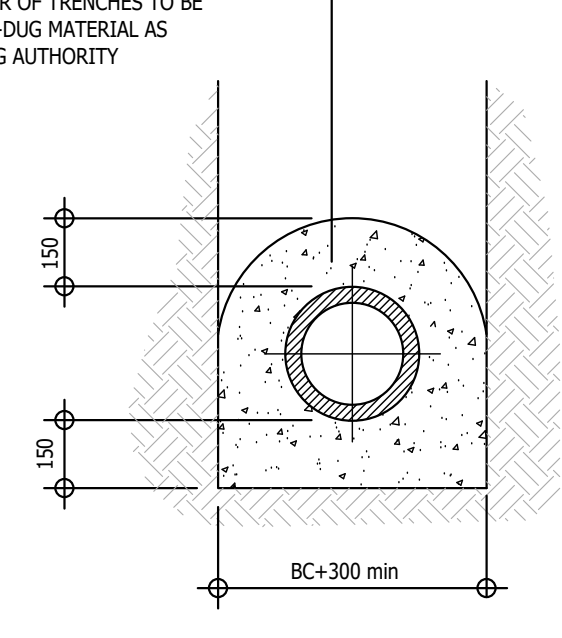
PIPE BEDDING MATERIAL:  
AGGREGATES FROM NATURAL SOURCES OR SINTERED PULVERISED FUELSH COMPLYING WITH THE RELEVANT PROVISIONS OF BS882 AND BS3797 PART 2 RESPECTIVELY AND TO BE SIZED ACCORDING TO PIPE DIAMETER - CAREFULLY COMPACTED



CLASS S BEDDING

FOR USE WHERE COVER TO CROWN OF PIPE IS GREATER THAN 1200mm UNDER CARRIAGEWAYS

PIPE BEDDING MATERIAL:  
PLAIN CONCRETE MIX ST2. CONCRETE TO BE SEPARATED AT EACH JOINT WITH AN APPROVED COMPRESSIBLE MATERIAL



CLASS Z BEDDING

FOR USE WHERE COVER TO CROWN OF PIPE IS LESS THAN 1200mm UNDER CARRIAGEWAYS, OR LESS THAN 900mm UNDER OTHER AREAS

PIPE BEDDING DETAILS

GENERAL NOTES

- The location, size, depth and identification of existing services that may be shown or referred to on this drawing have been assessed from non intrusive observations , record drawings or the like. The contractor shall safely carry out intrusive investigations, trial holes or soundings prior to commencing work to satisfy himself that it is safe to proceed and that the assessments are accurate. any discrepancies shall be notified to gta prior to works commencing.
- Tender or billing drawings shall not be used for construction or the ordering of materials.
- Do not scale. All dimensions and levels to be site confirmed.
- This drawing shall be read in conjunction with all relevant architects, consultants drawings and specifications, together with H&S plan requirements
- Copyright : This drawing must not be copied, amended nor reproduced without the prior written agreement of gta.
- All drawings specifications and recommendations made by gta are subject to Local Authority and other relevant Statutory Authorities approval. Any works or services made abortive due to the client proceeding prior to these approvals is considered wholly at the Clients risk. gta hold no responsibility for resulting abortive works or costs.

|                                                                                                                                                                                                                                                                                      |               |          |               |       |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------|---------------|-------|----|
|                                                                                                                                                                                                                                                                                      |               |          |               |       |    |
| T1                                                                                                                                                                                                                                                                                   | INITIAL ISSUE |          | 20.11.20      | SOL   | 1  |
| Rev                                                                                                                                                                                                                                                                                  | Amendments    |          | Date          | Dsn   | C  |
| Status TENDER                                                                                                                                                                                                                                                                        |               |          |               |       |    |
| Client                                                                                                                                                                                                                                                                               |               |          |               |       |    |
| <div></div> <div><b>PERSIMMON</b></div> <div>Together, we make a home</div> <div><u>PERSIMMON HOMES - THAMES VALLEY</u></div>                                                                   |               |          |               |       |    |
| Architect                                                                                                                                                                                                                                                                            |               |          |               |       |    |
| Project                                                                                                                                                                                                                                                                              |               |          |               |       |    |
| TODDINGTON LANE<br>LITTLEHAMPTON - PHASE 4                                                                                                                                                                                                                                           |               |          |               |       |    |
| Title                                                                                                                                                                                                                                                                                |               |          |               |       |    |
| MAIN DRAINAGE<br>DETAILS                                                                                                                                                                                                                                                             |               |          |               |       |    |
| Date                                                                                                                                                                                                                                                                                 |               | NOV 2020 | Scale @ A1    | NTS   |    |
| Base Layout Ref.                                                                                                                                                                                                                                                                     |               |          | CAD File ref. |       |    |
| Clients Ref.                                                                                                                                                                                                                                                                         |               |          | Project Ref.  | 10952 |    |
| <div><div></div><div>Civils &amp;<br/>Transport</div></div> <div>Gloucester House, 66a Church Walk,<br/>Burgess Hill, West Sussex, RH15 9AS<br/>Tel.01444 871444 Web: www.gtacivils.co.uk</div> |               |          |               |       |    |
|                                                                                                                                                                                                                                                                                      |               |          |               |       |    |
| Drawing Number                                                                                                                                                                                                                                                                       |               |          |               | Rev.  |    |
| 10952/1500                                                                                                                                                                                                                                                                           |               |          |               |       | T1 |