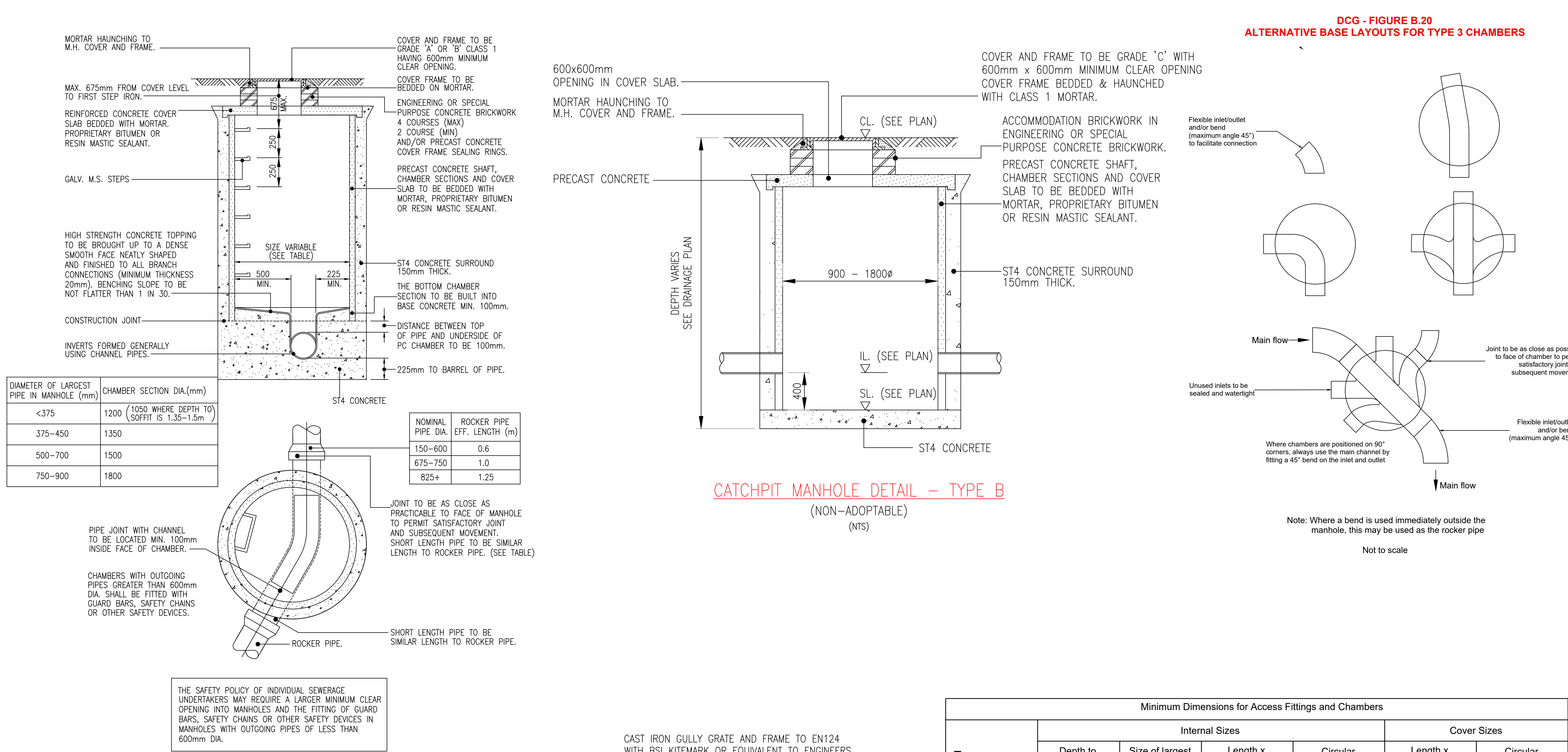
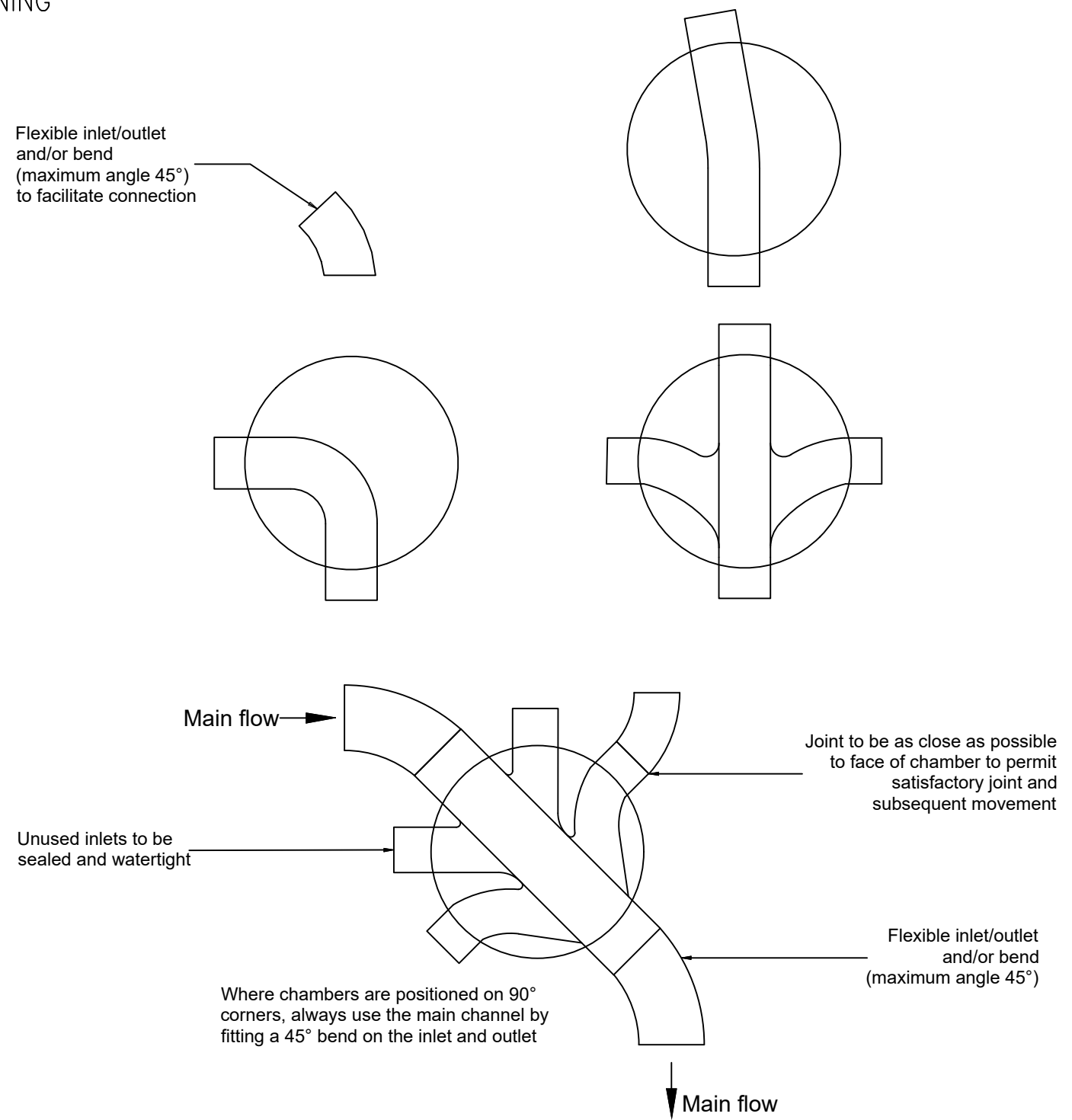


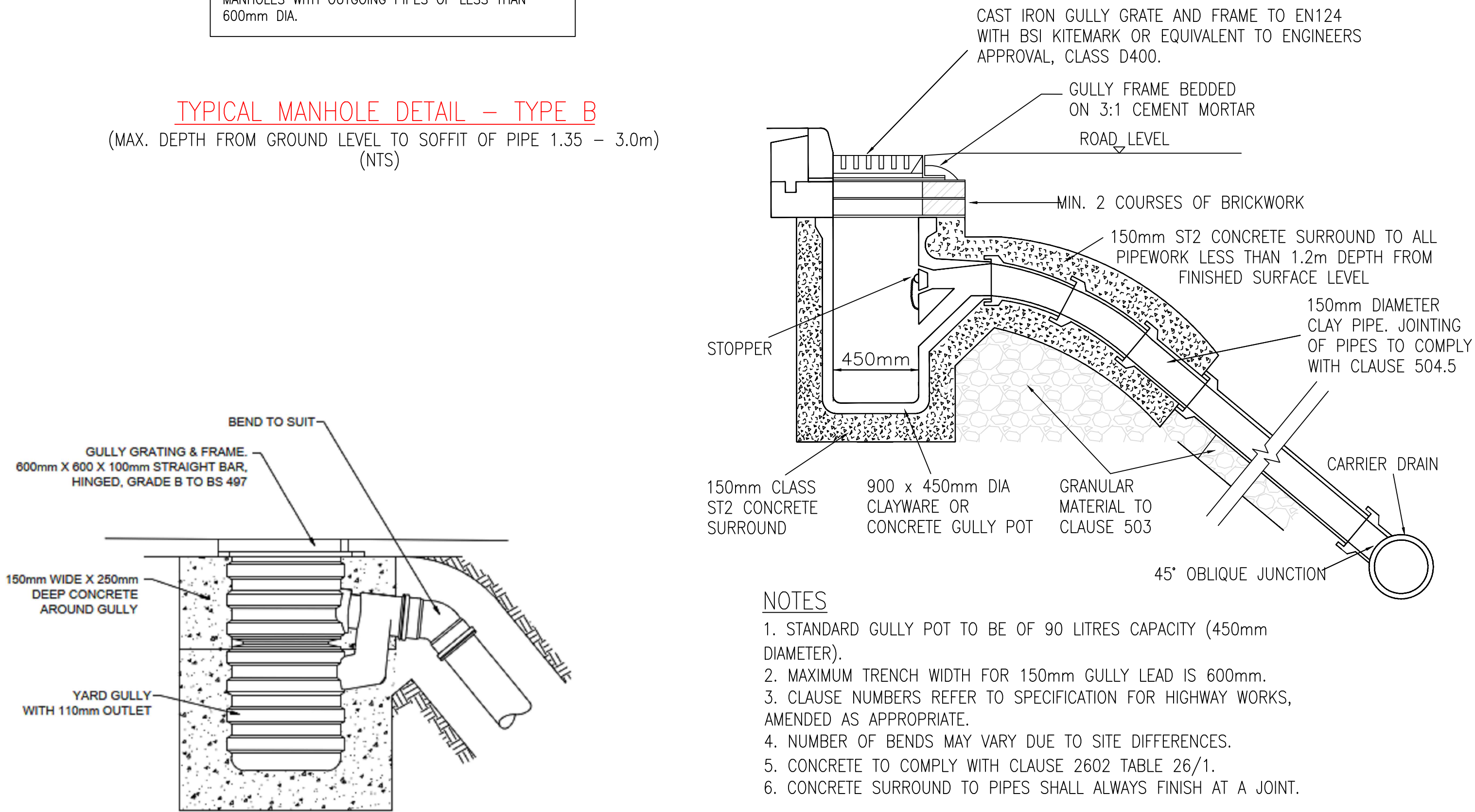


DCG - FIGURE B.20  
ALTERNATIVE BASE LAYOUTS FOR TYPE 3 CHAMBERS



CATCHPIT MANHOLE DETAIL – TYPE B  
(NON-ADOPTABLE)  
(NTS)

TYPICAL MANHOLE DETAIL – TYPE B  
(MAX. DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 1.35 – 3.0m)  
(NTS)



| Minimum Dimensions for Access Fittings and Chambers |                                                             |                                                                |                                                                                                            |                                                                                                                      |                                                                                              |                                                          |
|-----------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Type                                                | Internal Sizes                                              |                                                                |                                                                                                            |                                                                                                                      | Cover Sizes                                                                                  |                                                          |
|                                                     | Depth to soffit (m)                                         | Size of largest pipe (DN)                                      | Length x Width (mm)                                                                                        | Circular (mm)                                                                                                        | Length x Width (mm)                                                                          | Circular (mm)                                            |
| Rodding Eye                                         | As Drain but Minimum 100mm                                  |                                                                |                                                                                                            |                                                                                                                      |                                                                                              |                                                          |
| Shallow Access                                      |                                                             |                                                                |                                                                                                            |                                                                                                                      |                                                                                              |                                                          |
| Small                                               | 0.6 or less                                                 | 150                                                            | 150x100                                                                                                    | 150                                                                                                                  | 150x100                                                                                      | 150                                                      |
| Large                                               |                                                             |                                                                | 225x100                                                                                                    | 225                                                                                                                  | 225x100                                                                                      |                                                          |
| Inspection Chamber                                  | 0.6 or less<br>1.2 or less<br>1.2 - 3.0                     | 150                                                            | 450x450<br>450x450                                                                                         | 190<br>450<br>450                                                                                                    | 450x450<br>300x300                                                                           | 190<br>450<br>350                                        |
| Manhole                                             | 1.5 or less<br><br><br><br><br><br><br><br><br><br>Over 1.5 | 150<br>225<br>300<br>>300<br><br>225<br>300<br>375-450<br>>450 | 675x750<br>675x1200<br>675x1200<br>DN+450 x1800<br><br>1200x1000<br>1200x1075<br>1350x1225<br>DN+775 x1800 | 1200<br>1200<br>1200<br>The larger of 1800 or (DN+450)<br><br>1200<br>1200<br>1200<br>The larger of 1800 or (DN+775) | 675x750<br>1200x675<br>1200x675<br>1200x675<br><br>600x600<br>600x600<br>600x600<br>1200x675 | n/a<br>n/a<br>n/a<br>n/a<br><br>600<br>600<br>600<br>600 |
| Manhole Shaft                                       | Over 3.0                                                    |                                                                |                                                                                                            |                                                                                                                      |                                                                                              |                                                          |
| - Steps                                             |                                                             |                                                                | 1050x800                                                                                                   | 1050                                                                                                                 | 600x600                                                                                      | 600                                                      |
| - Ladder                                            |                                                             |                                                                | 1200x800                                                                                                   | 1200                                                                                                                 | 600x600                                                                                      | 600                                                      |
| - Winch                                             |                                                             |                                                                | 900x800                                                                                                    | 900                                                                                                                  | 600x600                                                                                      | 600                                                      |

BUILDING REGULATIONS MINIMUM  
DIMENSIONS FOR MANHOLES  
(Not to Scale)

This plan complies with the Building Regulations 2010  
Section 'H' - Drainage & Waste Disposal.

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NOTES

- DO NOT SCALE FROM THIS DRAWING. USE ONLY WRITTEN DIMENSIONS
- ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY (CESWI) UNLESS STATED OTHERWISE
- THE LENGTH OF THE NEXT PIPE (ROCKER PIPE) AWAY FROM THE STRUCTURE SHALL BE:

| PIPE DIAMETER (mm) | LENGTH (m) |
|--------------------|------------|
| DN150 - DN600      | 0.6        |
- ALL DIMENSIONS ARE IN MILLIMETRES
- PROPOSED MANHOLES ARE TO BE TO SEWERS FOR ADOPTION 7th EDITION AND THE DESIGN & CONSTRUCTION GUIDANCE.
- DETAILS SHOWN FOR TYPE E PPIC CHAMBERS ARE TAKEN FROM WAVIN DETAILS. THESE CHAMBERS SHALL BE INSTALLED TO THE MANUFACTURERS SPECIFICATION. IF ALTERNATIVE CHAMBERS ARE PROPOSED THE DETAILS MAY VARY AND SHOULD BE SUBMITTED TO THE DESIGNER. ALL PART NUMBERS SHOWN RELATE TO WAVIN PRODUCTS.
- ALL WORKS TO COMPLY WITH "SEWERS FOR ADOPTION-7th EDITION" AND THE DESIGN & CONSTRUCTION GUIDANCE.
- A 30mm REDUCTION IN LEVEL HAS BEEN ALLOWED FOR IN THE CALCULATION OF INVERT LEVELS FOR ALL BRANCH CONNECTIONS TO PLASTIC INSPECTION CHAMBERS (AS PER WAVIN DETAILS). INVERT LEVELS REFER TO MAIN CHANNEL. IF ALTERNATIVE CHAMBERS ARE PROPOSED THIS VALUE MAY VARY AND THE DESIGNER SHOULD BE CONSULTED.
- PIPEWORK TO BE VITRIFIED CLAY OR PLASTIC. VITRIFIED CLAY PIPES SHOULD COMPLY WITH REQUIREMENTS BS EN 295 FOR FOUL PIPES.
- PLASTIC PIPEWORK IS TO BE INSTALLED ( POLYPIPE OR SIMILAR APPROVED) IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION.
- PLASTIC PIPEWORK IS TO BE INSTALLED ( POLYPIPE OR SIMILAR APPROVED) IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION. ALL THERMOPLASTIC PIPEWORK SHALL COMPLY WITH THE REQUIREMENTS OF THE DESIGN & CONSTRUCTION GUIDANCE.
- THE DEVELOPER MUST SELF-VET AND CERTIFY THAT THE DESIGN CRITERIA, MATERIAL STANDARDS AND WORKMANSHIP SPECIFICATIONS FOR THE PROPOSED DRAINAGE ARE IN ACCORDANCE WITH THOSE SET OUT IN THE DESIGN & CONSTRUCTION GUIDANCE, BUILDING REGULATIONS AND THE REQUIREMENT OF THE STATUTORY SEWERAGE UNDERTAKER.
- PROPOSED PIPEWORK WITH LESS THAN THE FOLLOWING DEPTHS TO SOFFIT REQUIRES A CONCRETE SURROUND:
  - PROPOSED PIPEWORK WITH <1.2m DEPTH TO SOFFIT IN ROADS/SERVICE AREAS.
  - OR <0.9m DEPTH TO SOFFIT IN PEDESTRIAN AREAS & DOMESTIC DRIVEWAYS WITH 7.5T VEHICLE WEIGHT LIMIT.
  - OR <0.5m DEPTH TO SOFFIT IN PEDESTRIAN AREAS & DOMESTIC DRIVEWAYS WITH NO VEHICLE WEIGHT LIMIT.
  - OR <0.35m DEPTH TO SOFFIT IN LANDSCAPED AREAS REQUIRES CLASS 2 BEDDING"

|     |            |                 |     |     |      |
|-----|------------|-----------------|-----|-----|------|
| R1  | 21/07/2025 | FOR INFORMATION | MG  | CLS | AJF  |
| REV | DATE       | DESCRIPTION     | DRN | CHD | APPD |

DRG. STATUS

FOR INFORMATION



CLIENT  
DOWLS CONSTRUCTION LTD

PROJECT  
NETHERLEY ROAD, TARBOCK GREEN, PRESCOT, L35 1QE

DRG. TITLE  
DRAINAGE STANDARD DETAILS SHEET 2

|                          |     |
|--------------------------|-----|
| DRG. NO.                 | REV |
| 25085-AJF-ZZ-ZZ-DR-D-108 | R1  |