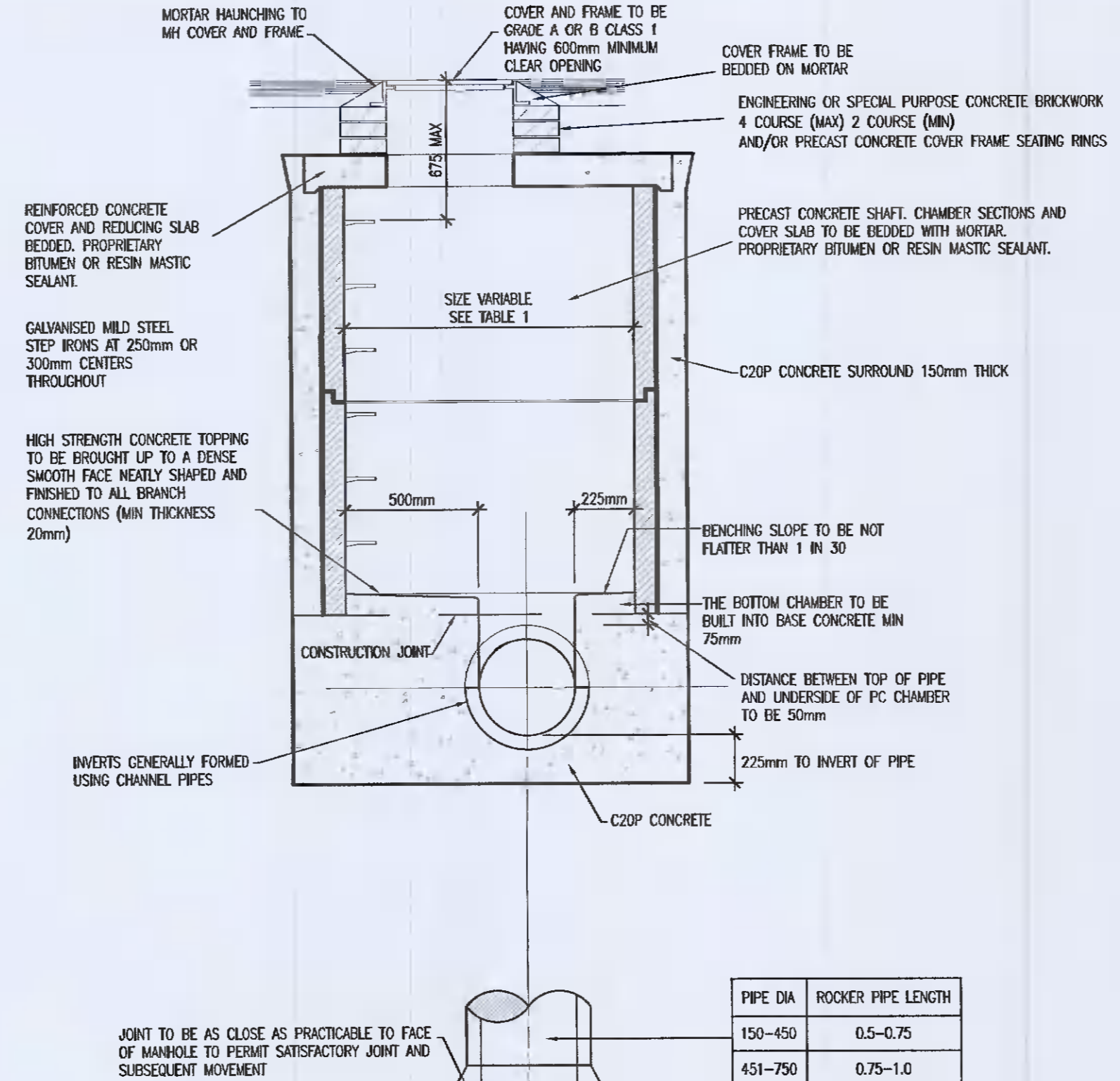
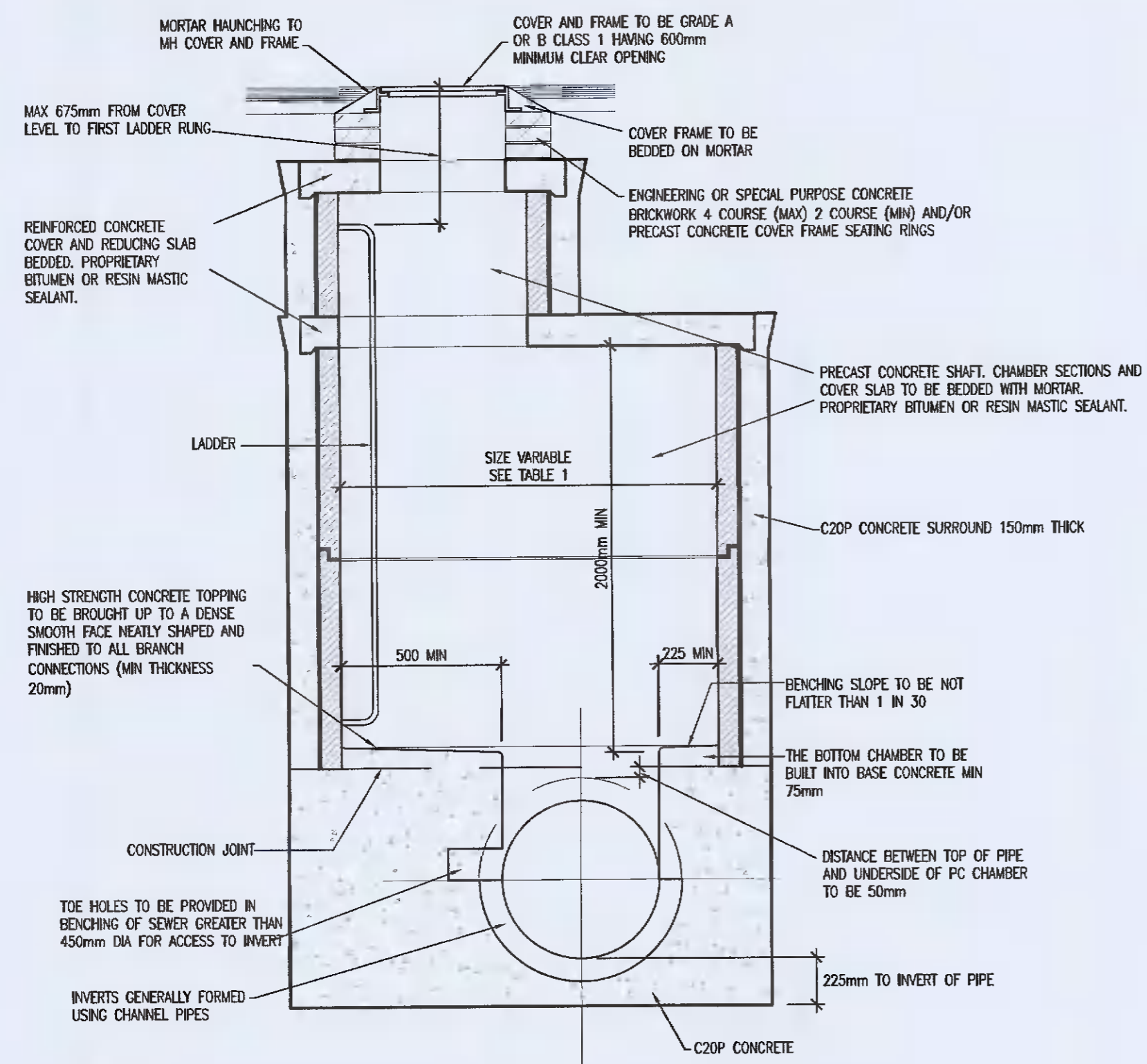
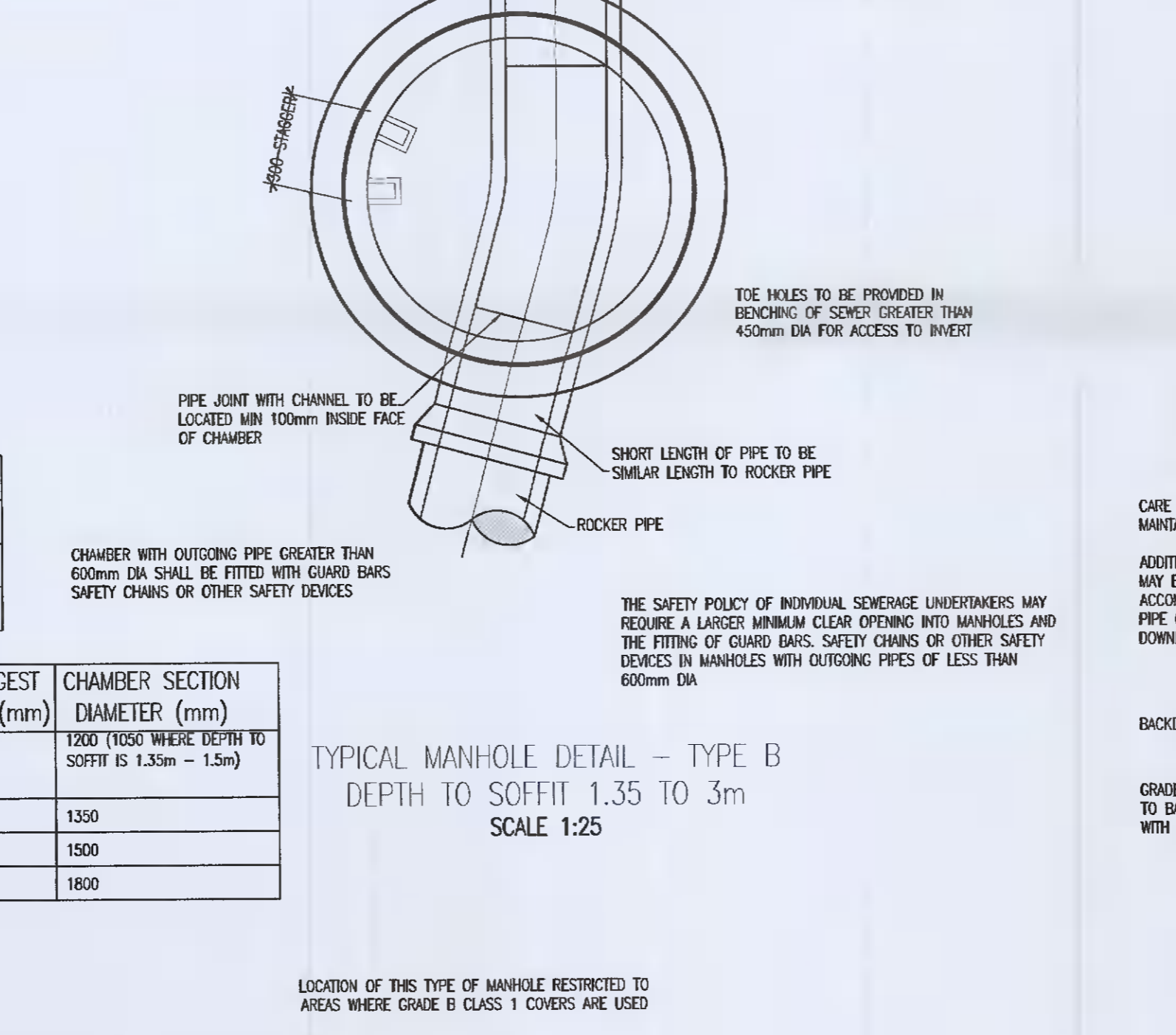
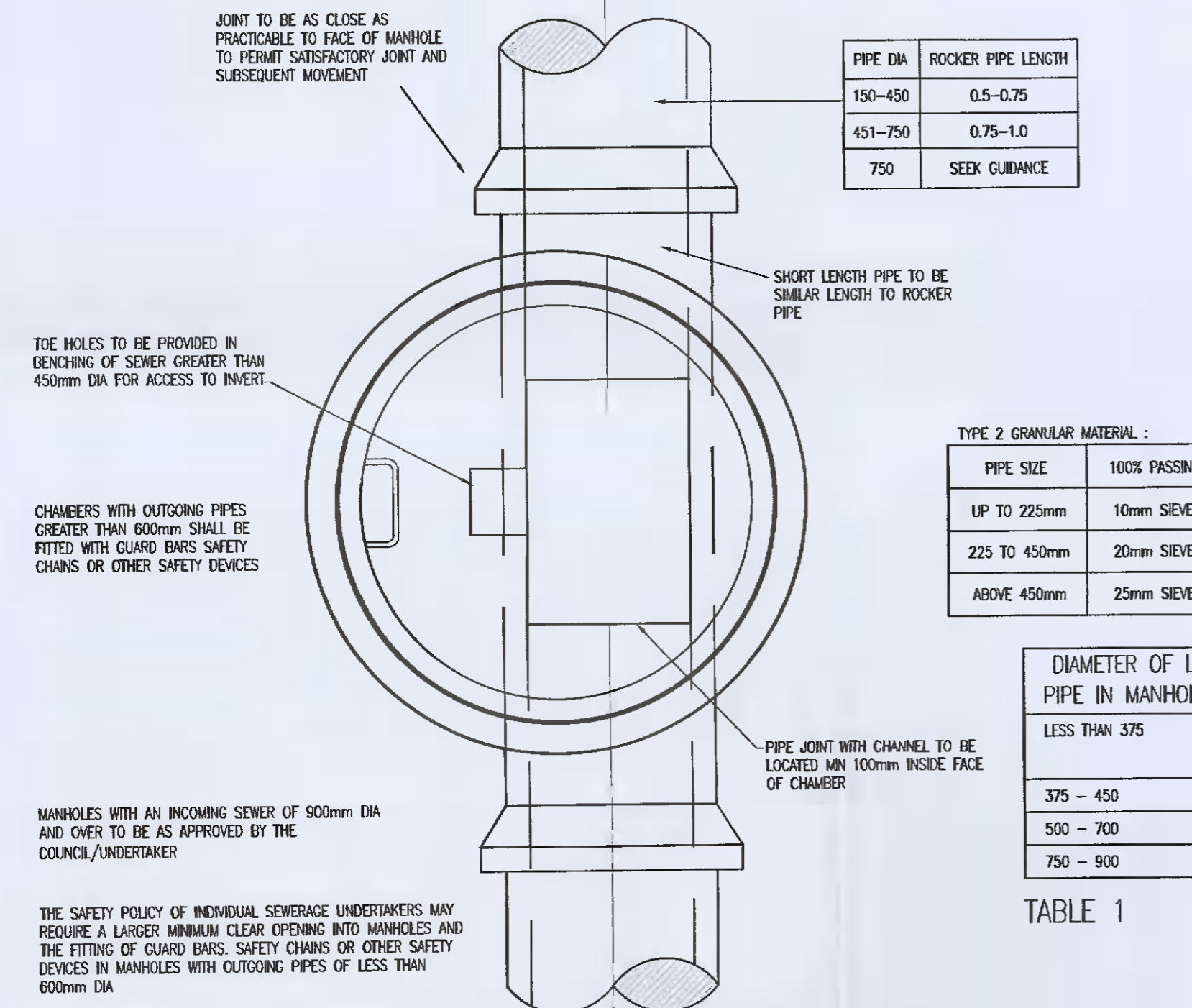


GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT'S & ENGINEER'S DRAWINGS AND SPECIFICATIONS.
- USE FIGURED DIMENSIONS ONLY. DO NOT SCALE
- ALL FFL AND SSL TO BE CONFIRMED BY ARCHITECT
- ALL DFCs, DPMs, RADON BARRIERS, INSULATION AND ALL WEATHERING DETAILS TO ARCHITECT'S DRAWINGS & SPECIFICATIONS
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LEVELS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER & ARCHITECT FOR RESOLUTION
- REFER TO ARCHITECTURAL DRAWINGS FOR ALL SITE & APPLICATION BOUNDARIES



| PIPE DIA | ROCKER PIPE LENGTH |
|----------|--------------------|
| 150-450 | 0.5-0.75 |
| 451-750 | 0.75-1.0 |
| 750 | SEEK GUIDANCE |



TYPE 2 GRANULAR MATERIAL:

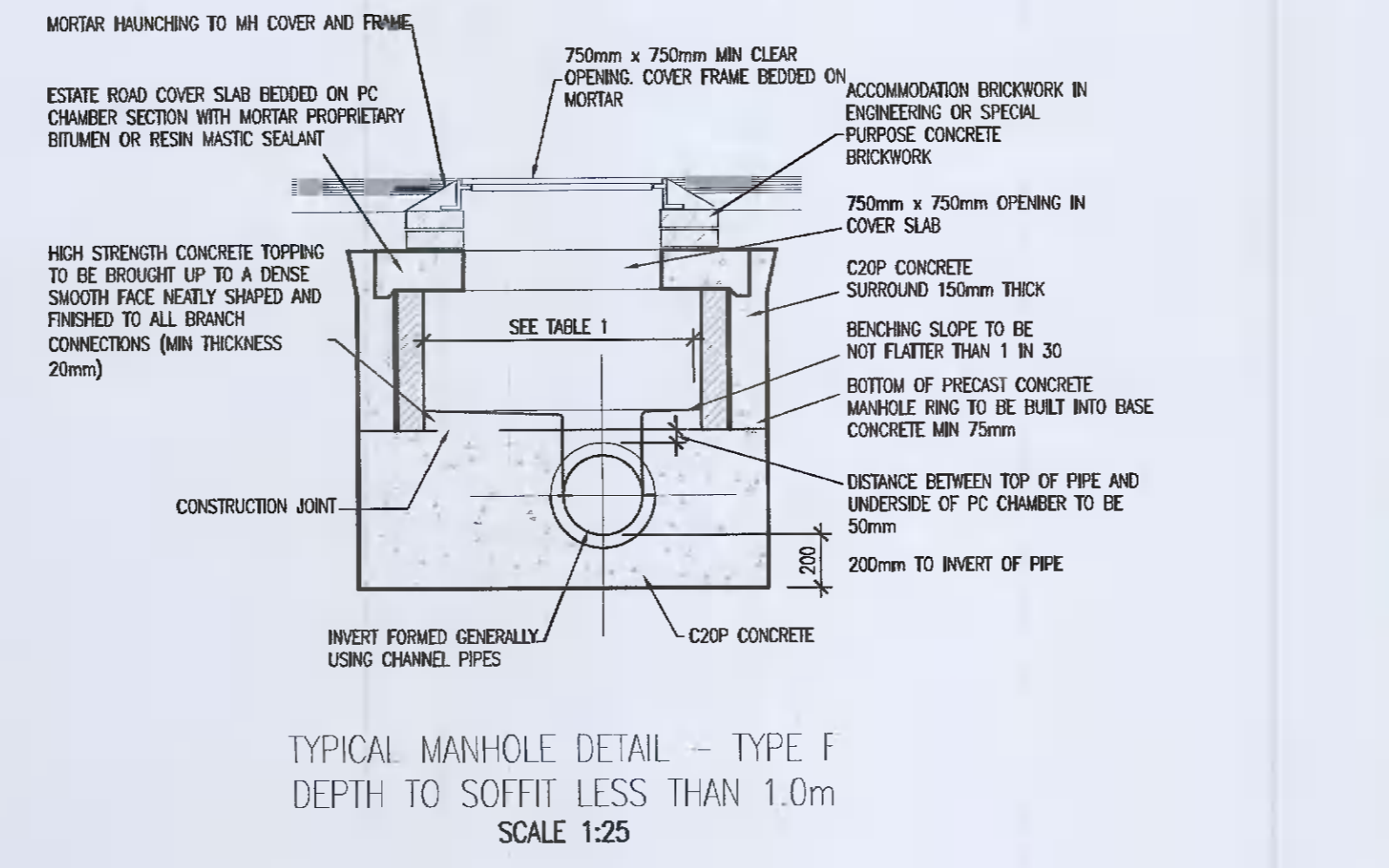
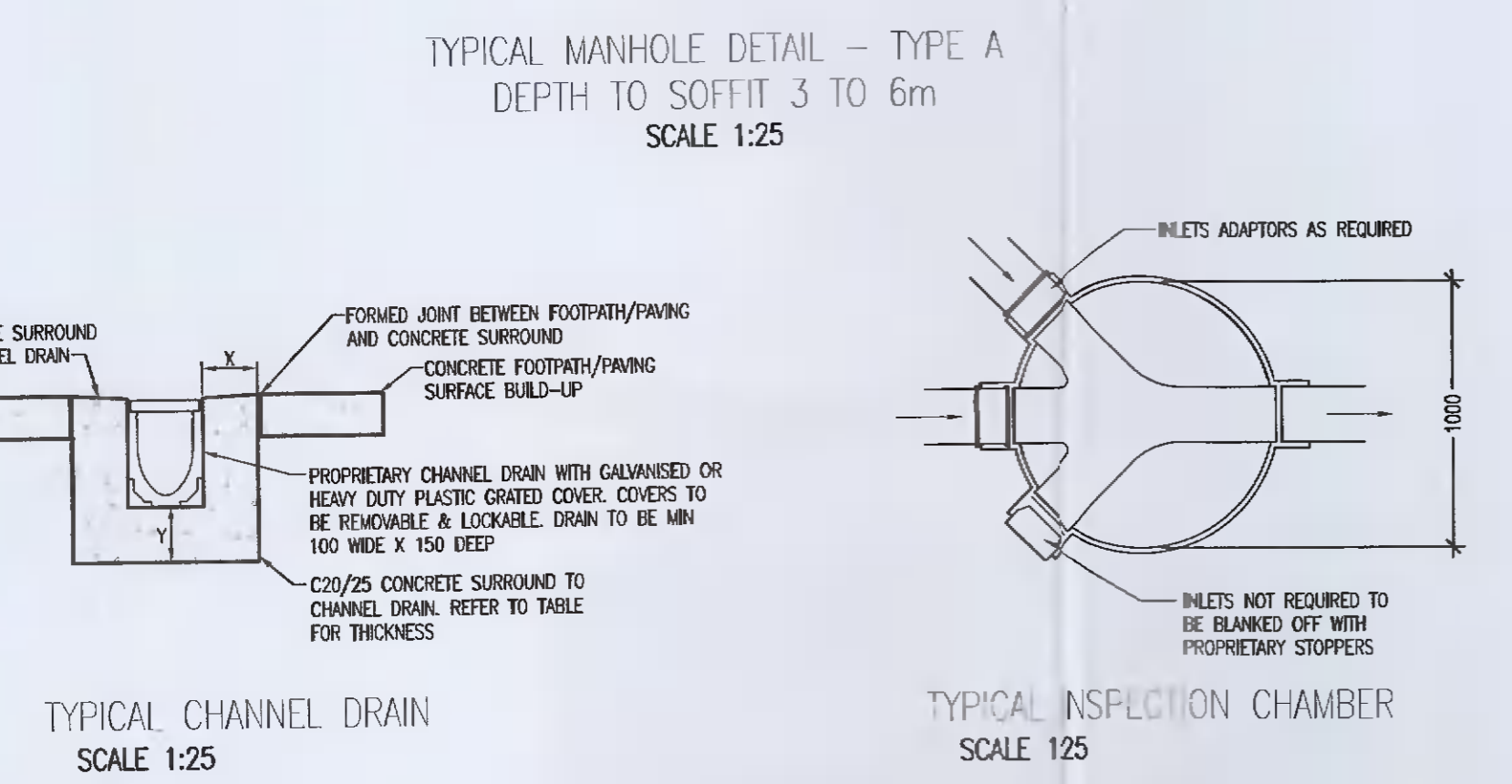
| PIPE SIZE | 100% PASSING |
|--------------|--------------|
| UP TO 225mm | 10mm SIEVE |
| 225 TO 450mm | 20mm SIEVE |
| ABOVE 450mm | 25mm SIEVE |

| DIAMETER OF LARGEST PIPE IN MANHOLE (mm) | CHAMBER SECTION DIAMETER (mm) |
|--|---|
| LESS THAN 375 | 1200 (1050 WHERE DEPTH TO SOFFIT IS 1.35m - 1.5m) |
| 375 - 450 | 1350 |
| 450 - 700 | 1500 |
| 750 - 900 | 1800 |

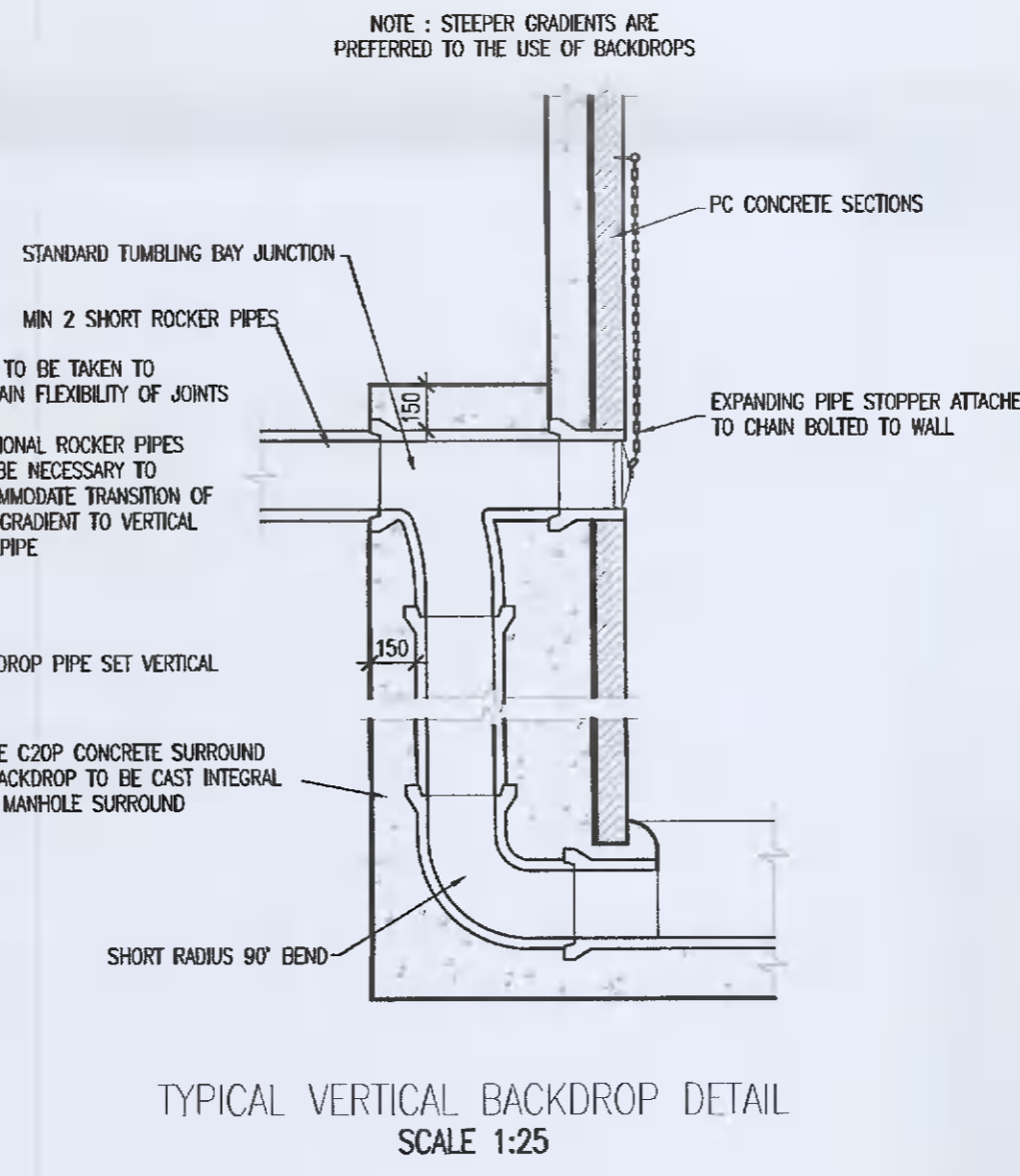
TABLE 1

TYPICAL MANHOLE DETAIL - TYPE B
DEPTH TO SOFFIT 1.35 TO 3m
SCALE 1:25

LOCATION OF THIS TYPE OF MANHOLE RESTRICTED TO AREAS WHERE GRADE B CLASS 1 COVERS ARE USED

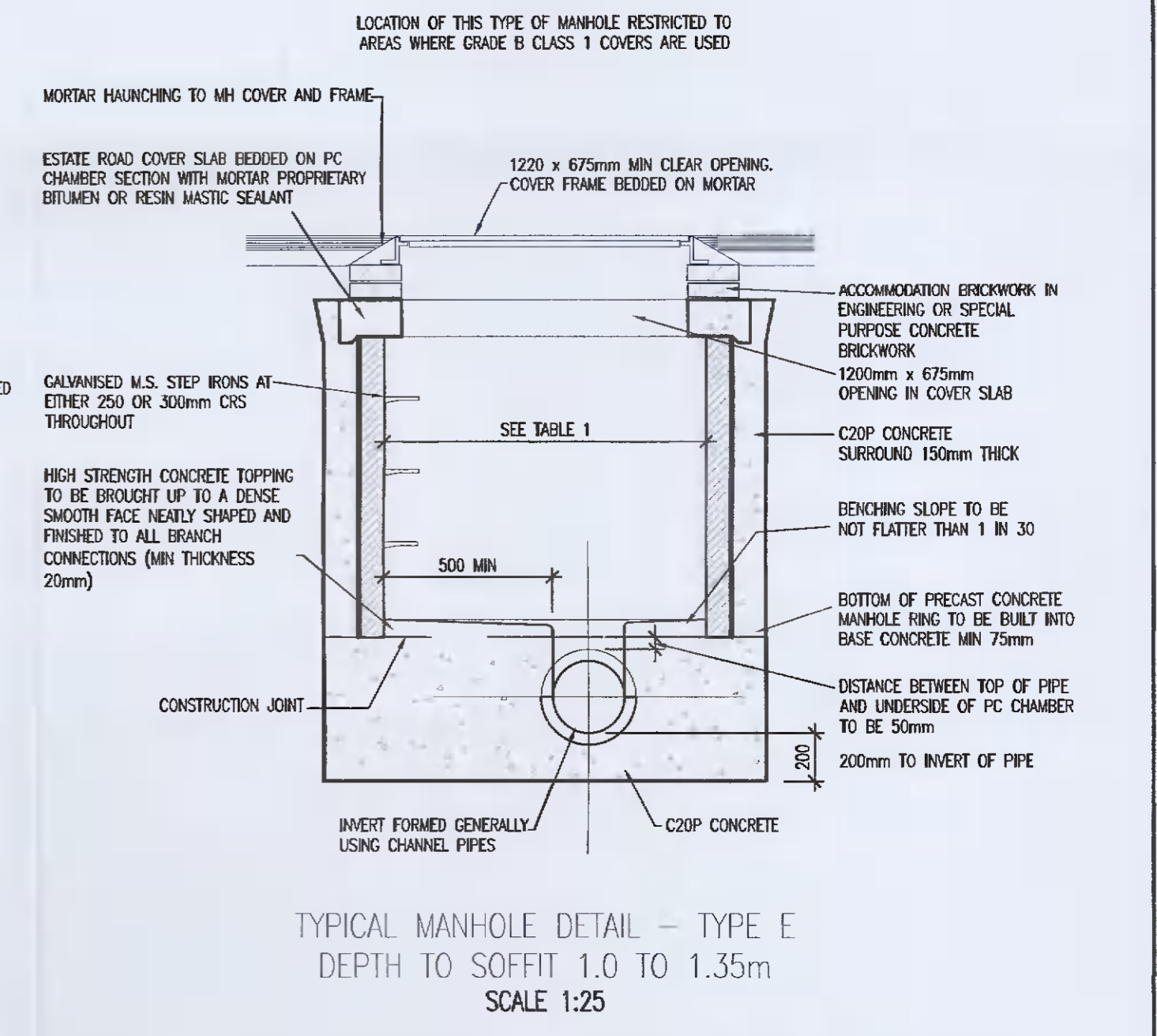


TYPICAL MANHOLE DETAIL - TYPE F
DEPTH TO SOFFIT LESS THAN 1.0m
SCALE 1:25



- ALL SEWERS SHALL BE PRESSURE TESTED PRIOR TO BACKFILLING
- TYPE 1 GRANULAR MATERIAL: BROKEN STONE OR GRAVEL TO PASS 10mm SIEVE AND BE RETAINED ON 5mm SIEVE.
- TYPE 2 GRANULAR MATERIAL: BROKEN STONE OR GRAVEL TO PASS 10mm - 25mm SIEVE, ACCORDING TO PIPE SIZE, (SEE TABLE) AND BE RETAINED ON 5mm SIEVE.
- TYPE 3 SELECTED FILL: UNIFORM READILY COMPACTED MATERIAL FREE FROM TREE ROOTS, VEGETABLE MATTER, BUILDING DEBRIS, AND FROZEN SOIL AND EXCLUDING CLAY LUMPS RETAINED ON A 75mm SIEVE AND STONES RETAINED ON A 37.5mm SIEVE.
- RIGID PIPES SHALL MEAN CAST OR SPUN IRON, CONCRETE OR CLAY.

| CONCRETE SURROUND THICKNESS | | LOAD CLASS | | | | |
|-----------------------------|-----|------------|-----|------|------|------|
| MINIMUM DIMENSIONS (mm) | X | Y | A15 | B125 | C250 | D400 |
| X | 100 | 150 | 150 | 200 | 200 | |
| Y | 100 | 150 | 150 | 200 | 200 | |



TYPICAL MANHOLE DETAIL - TYPE E
DEPTH TO SOFFIT 1.0 TO 1.35m
SCALE 1:25

PLANNING ISSUE

| | | | | |
|--------|---------------------|------------|-------|-------|
| S4.P01 | ISSUED FOR PLANNING | 15.02.2022 | TN | RK |
| Rev. | Note | Date | Drawn | Check |

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| | | | | | | | | | | | |
|-----------------|----------------------------|-----------------|-------------------------|--------------|-----|-------------|------------|--------|------|-------------|----|
| Client: | DUBLIN & DUN LAOGHAIRE ETB | | | | | | | | | | |
| Project: | LUCAN COMMUNITY COLLEGE | | | | | | | | | | |
| Drawing Title: | TYPICAL MANHOLE DETAILS | | | | | | | | | | |
| Drawn By: | RR | Checked By: | TN | Approved By: | DOB | Date: | 28.08.2016 | Scale: | 1:25 | Sheet Size: | A1 |
| Project Number: | DOBA1446 | Drawing Number: | LCC-DOB-XX-SI-DR-C-0013 | Status Code: | S4 | Rev Number: | P01 | | | | |