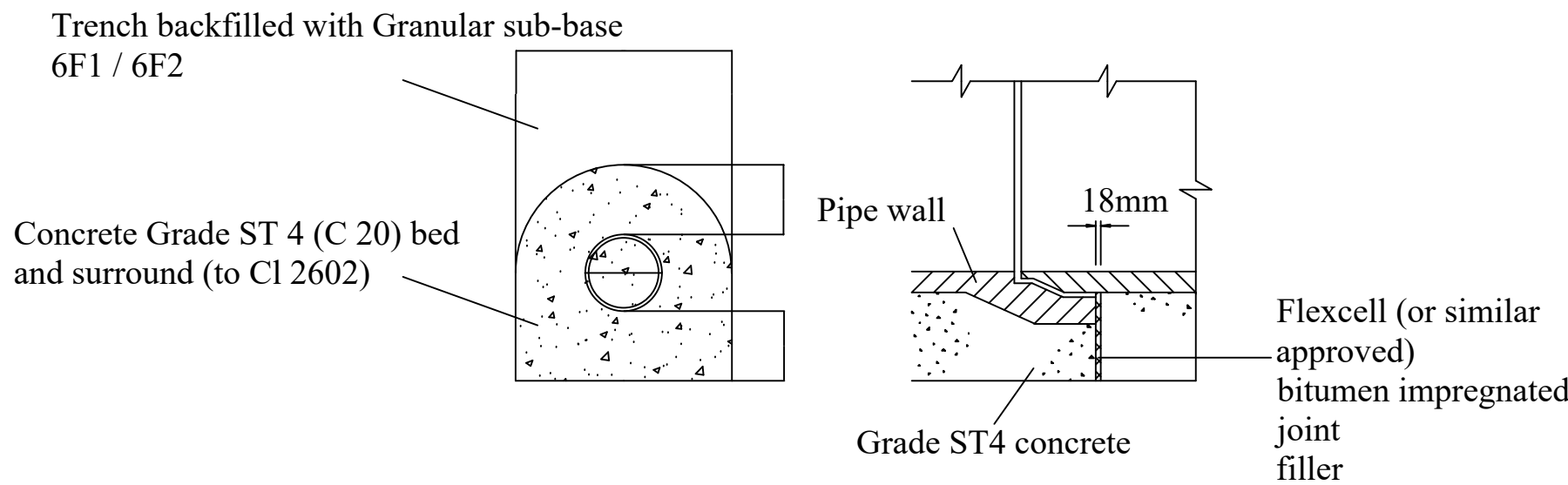
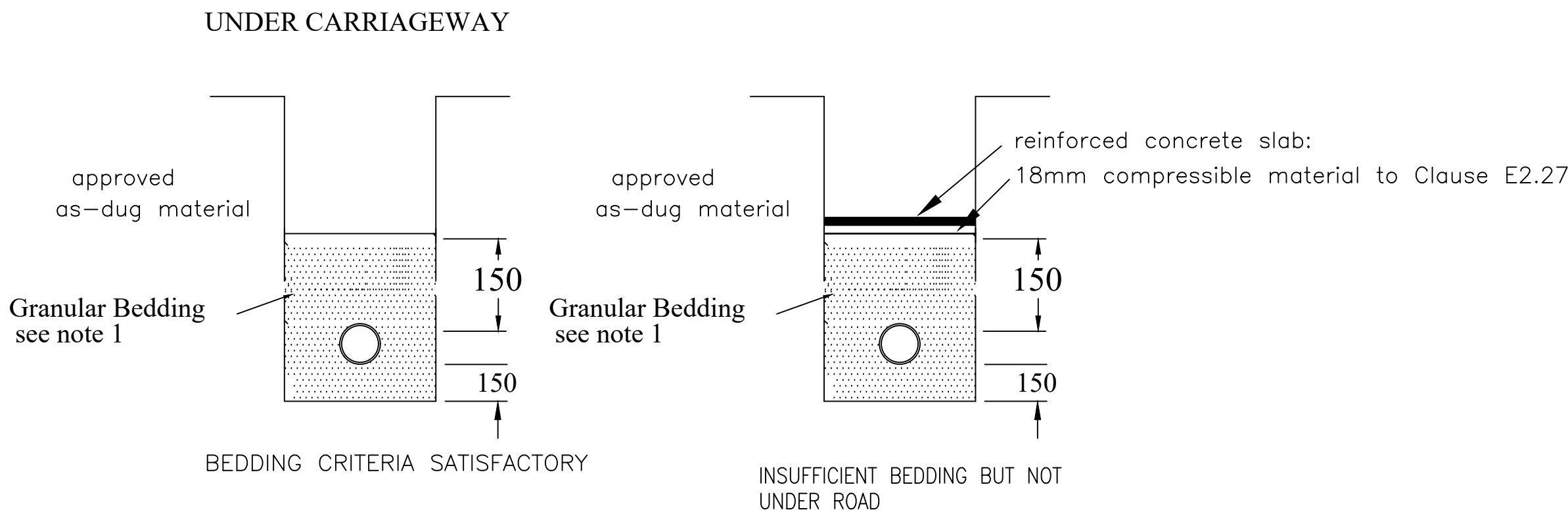
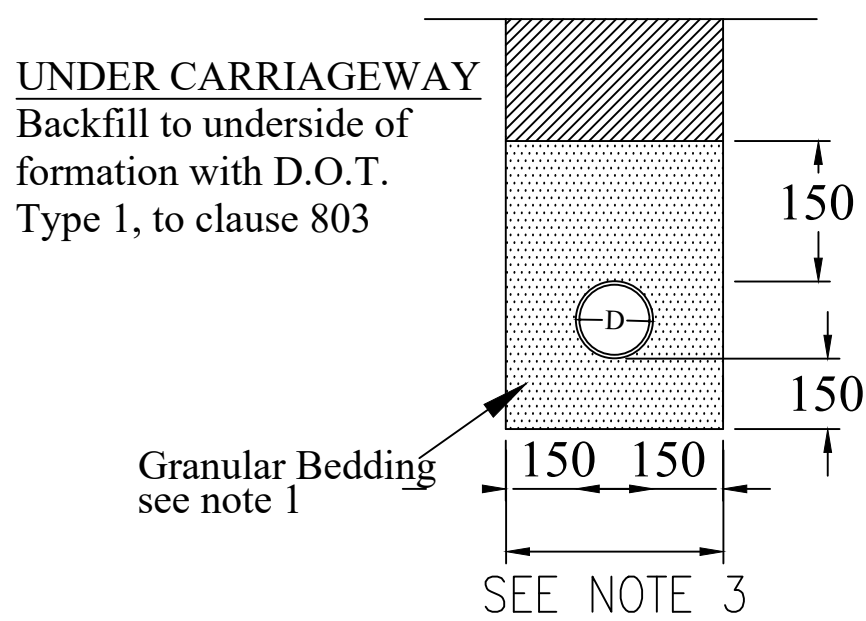
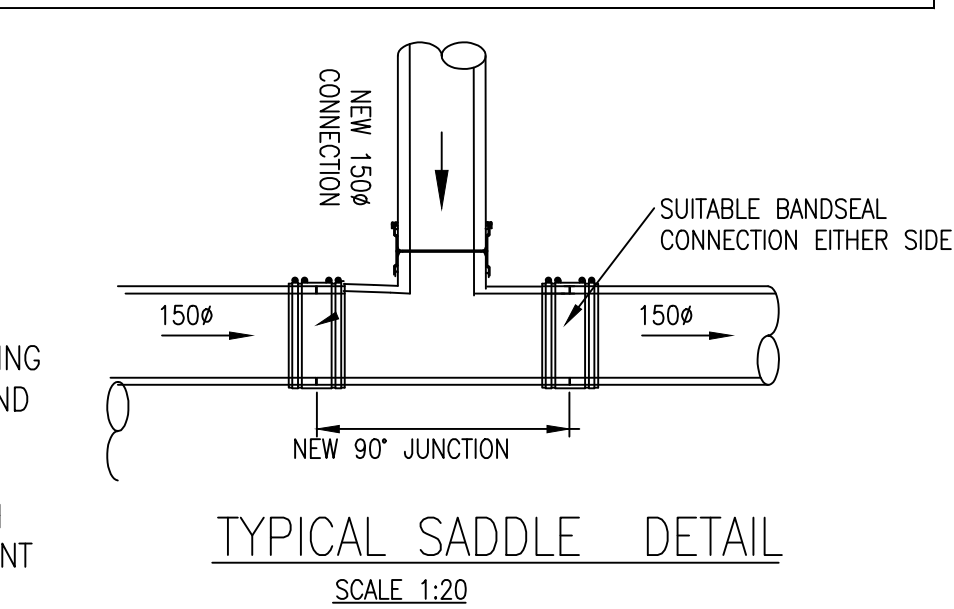
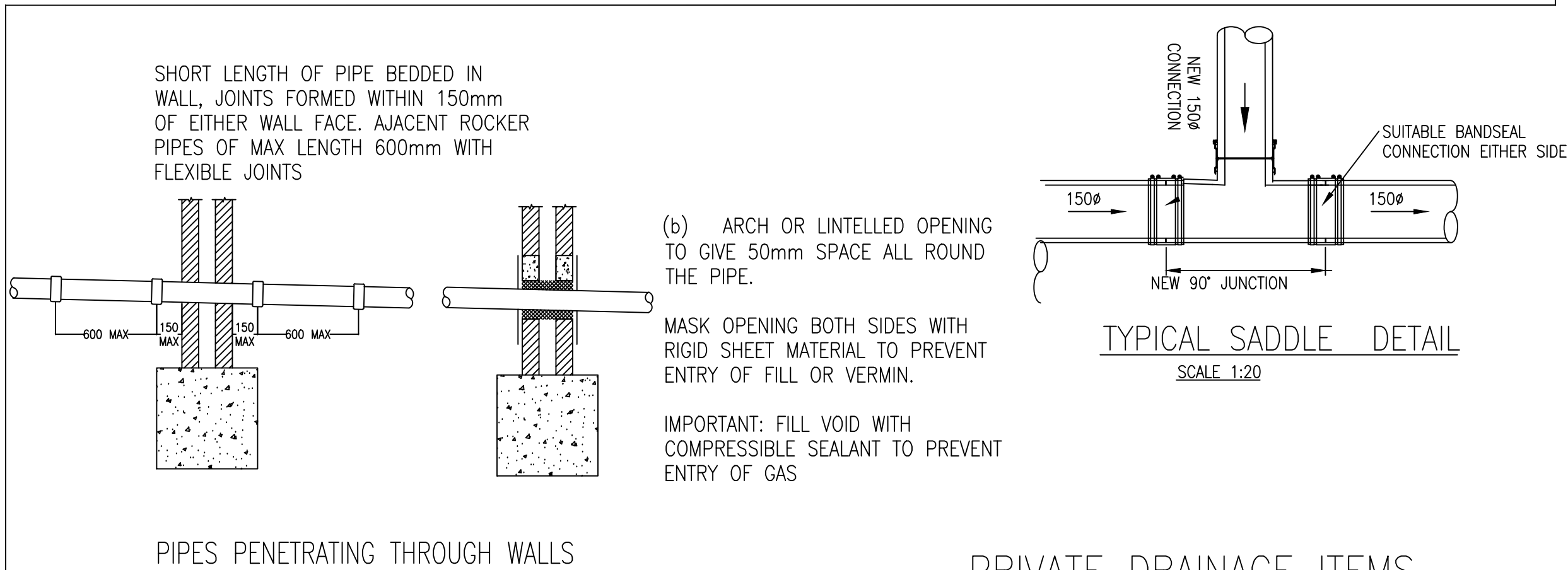




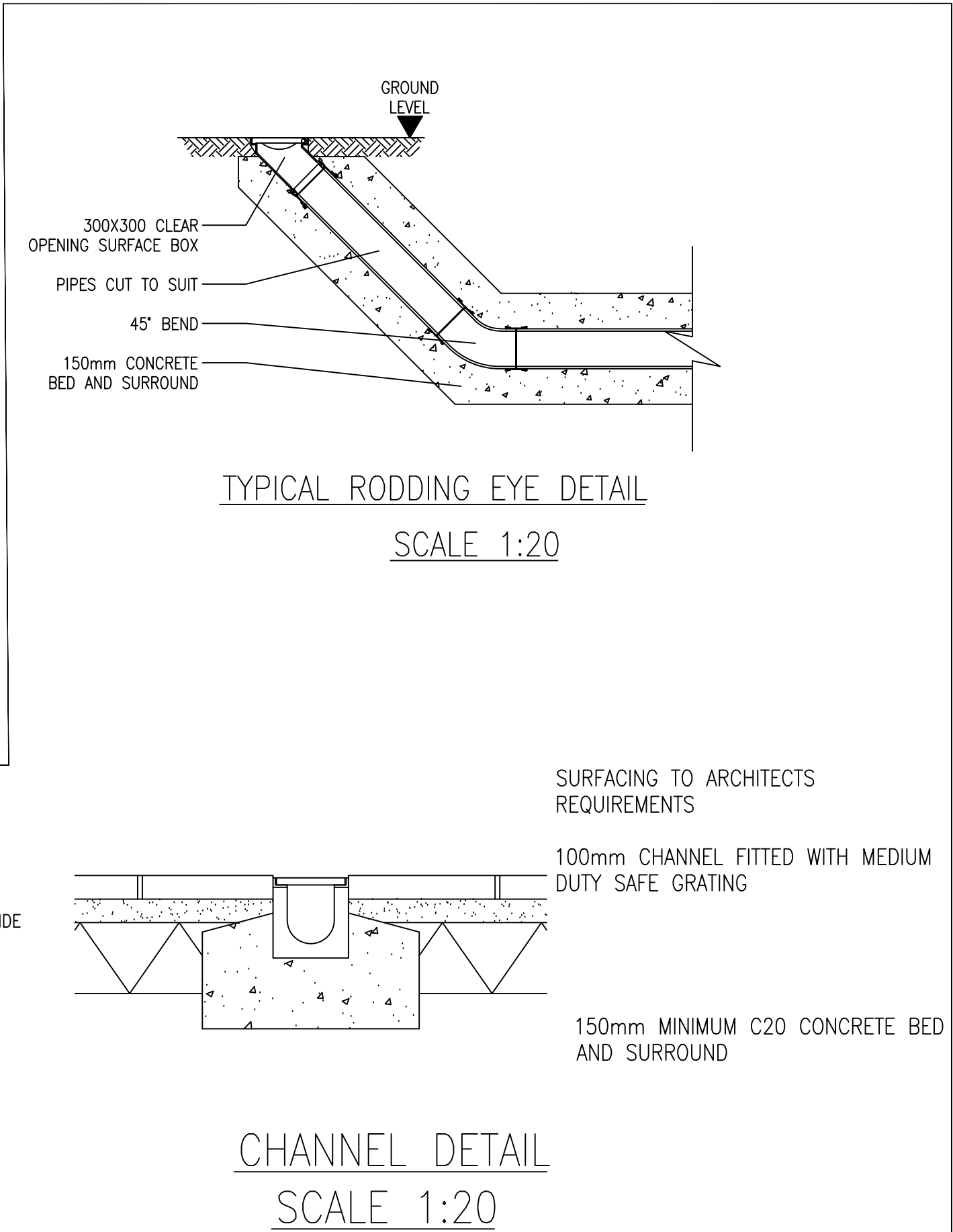
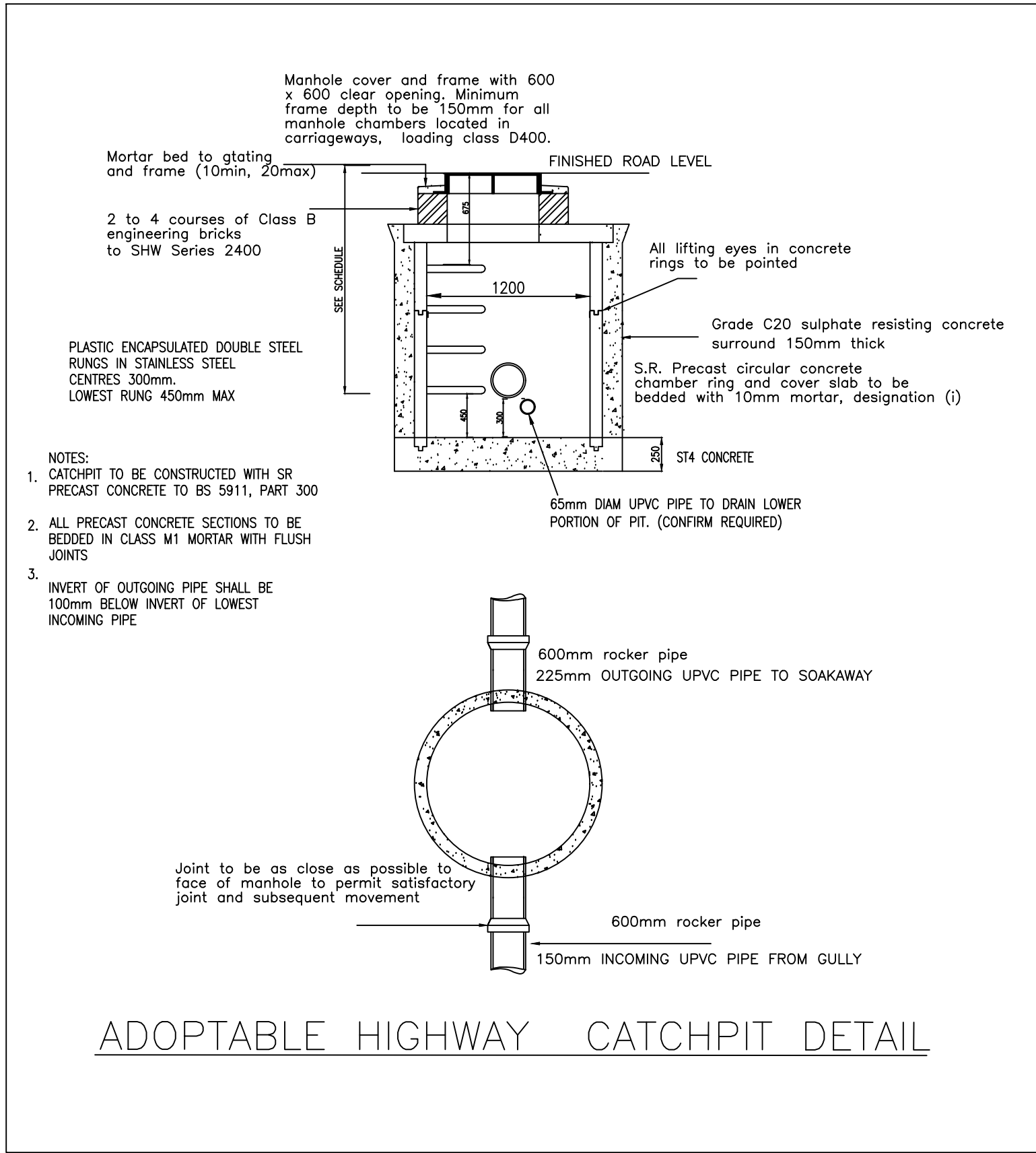
BEDDING DETAIL FLEXIBLE JOINT FOR USE WITH CONCRETE PIPES  
CONCRETE BEDDING AND SURROUND  
DEPTH IN ROAD LESS THAN 1.2m to CROWN



BEDDING CLASS S  
BEDDING DETAIL FOR ADOPTABLE MAIN DRAINAGE  
FLEXIBLE AND RIGID PIPES



PRIVATE DRAINAGE ITEMS



GENERAL NOTES

1. GRANULAR BEDDING  
SINGLE SIZED OR GRADED IN ACCORDANCE WITH ACCOMPANYING TABLE.  
AGGREGATES TO B.S. 882.

| NOMINAL BORE OF PIPE (mm) | SINGLE-SIZED (mm) | GRADED (mm)        |
|---------------------------|-------------------|--------------------|
| 100-125                   | 10                | -                  |
| 150-200                   | 10 OR 14          | 14-5               |
| 225-300                   | 10, 14 OR 20      | 14-5 OR 20-5       |
| 375-500                   | 14 OR 20          | 14-5 OR 20-5       |
| EXCEEDING 500             | 14, 20 OR 40      | 14-5, 20-5 OR 40-5 |

2. SELECTED BACKFILL  
TO BE IN ACCORDANCE WITH THE CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY, CLAUSE 2.46.3 AND SEWERS FOR ADDITION (7th EDITION) 4.2.24 AND 4.5.2.

3. TABLE WIDTH LIMITS

| NOMINAL INTERNAL PIPE DIA (mm) | MINIMAL TRENCH WIDTH (mm) | MAXIMUM TRENCH WIDTH UP TO 300mm ABOVE CROWN OF PIPE (mm) |
|--------------------------------|---------------------------|-----------------------------------------------------------|
| 100                            | 410                       | -                                                         |
| 150                            | 600                       | 750                                                       |
| 225                            | 600                       | 825                                                       |
| 300                            | 650                       | 900                                                       |
| 375                            | 725                       | 975                                                       |
| 450                            | 800                       | 1050                                                      |
| 600                            | 950                       | 1200                                                      |

4. DEPTH OF BEDDING BELOW PIPE

\* SLEEVE JOINTED PIPES: GREATER THAN 50mm OR 1/6 DIA.  
\* SOCKET JOINTED PIPES: GREATER THAN 100mm OR 1/6 DIA.  
IN ROCK/HARD MATERIAL

\* SLEEVE JOINTED PIPES: GREATER THAN 150mm OR 1/4 DIA.  
\* SOCKET JOINTED PIPES: GREATER THAN 200mm OR 1/4 DIA.

5. FOR PIPE STRENGTH AND TYPE SEE NOTES ON DRG. No. 1258/01

6. ALL IN SITU. CONCRETE SHALL COMPLY WITH B.S. 5328: 1991 TO MEET CLASS 1 SOIL CONDITIONS.

PENDING HIGHWAYS and WELSH WATER APPROVAL

PRELIMINARY

|     |                                            |          |      |      |
|-----|--------------------------------------------|----------|------|------|
| D   | CATCH PIT PIPEWORK AMENDED                 | 10-07-19 | AK   | AK   |
| C   | CATCH PIT PIPEWORK AMENDED                 | 11-06-19 | AK   | AK   |
| B   | HIGHWAY MANHOLE REMOVED, CATCH PIT AMENDED | 12-05-19 | AK   | AK   |
| A   | ADOPTABLE CATCH PIT                        | 20-11-18 | AK   | AK   |
| Rev | Description                                | Date     | Drwn | Chkd |

KANE DESIGN  
Civil Engineering Design

15 Winchester Way  
Gresford  
Wrexham  
LL12 8HH

Tel: 01 978 855888

Client  
M & M DEVELOPMENTS LTD

Project  
PROPOSED DEVELOPMENT at FORMER CARAVAN SITE, OLD WREXHAM ROAD, GRESFORD, WREXHAM

Title  
DRAINAGE DETAILS

|                |          |                   |
|----------------|----------|-------------------|
| DRAWING NUMBER | SCALE    | NOT TO SCALE @ A1 |
| 1387/05        | DATE     | 22-06-18          |
|                | DRAWN    | AK                |
|                | CHECKED  | AK                |
|                | REVISION | D                 |