

TYPICAL HYDROBRAKE MANHOLE DETAIL

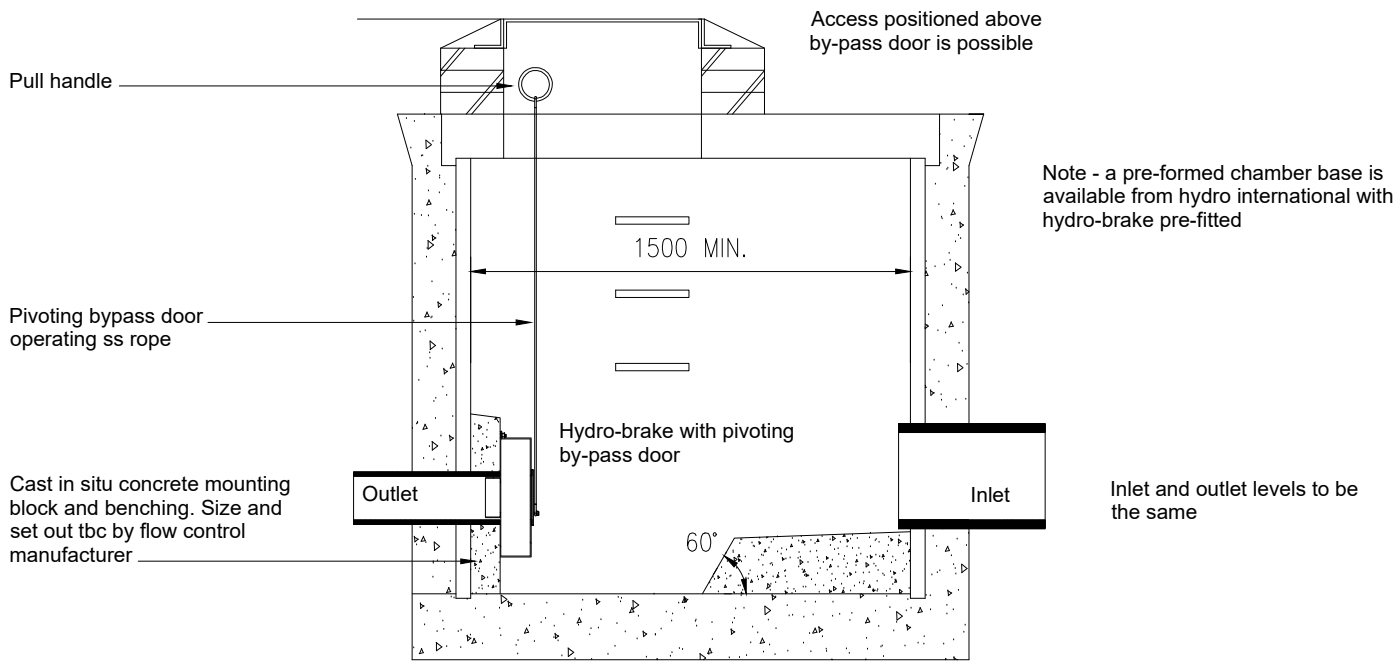


FIGURE B.24  
CONNECTIONS TO SEWER

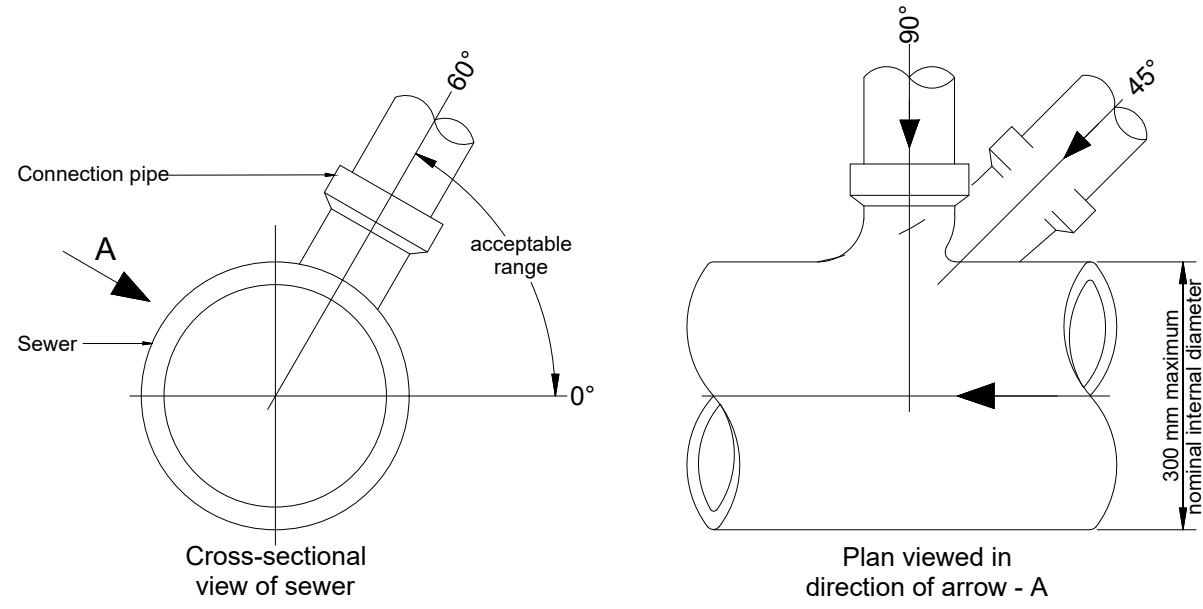
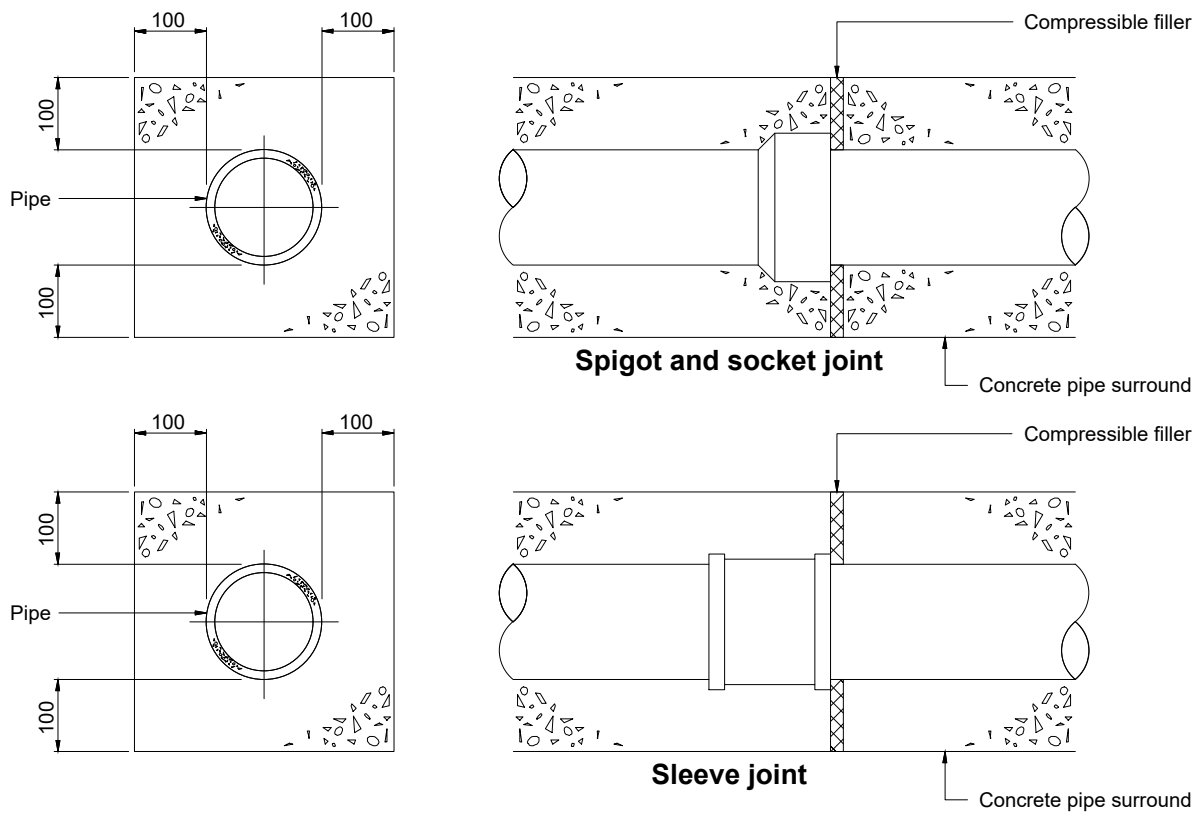
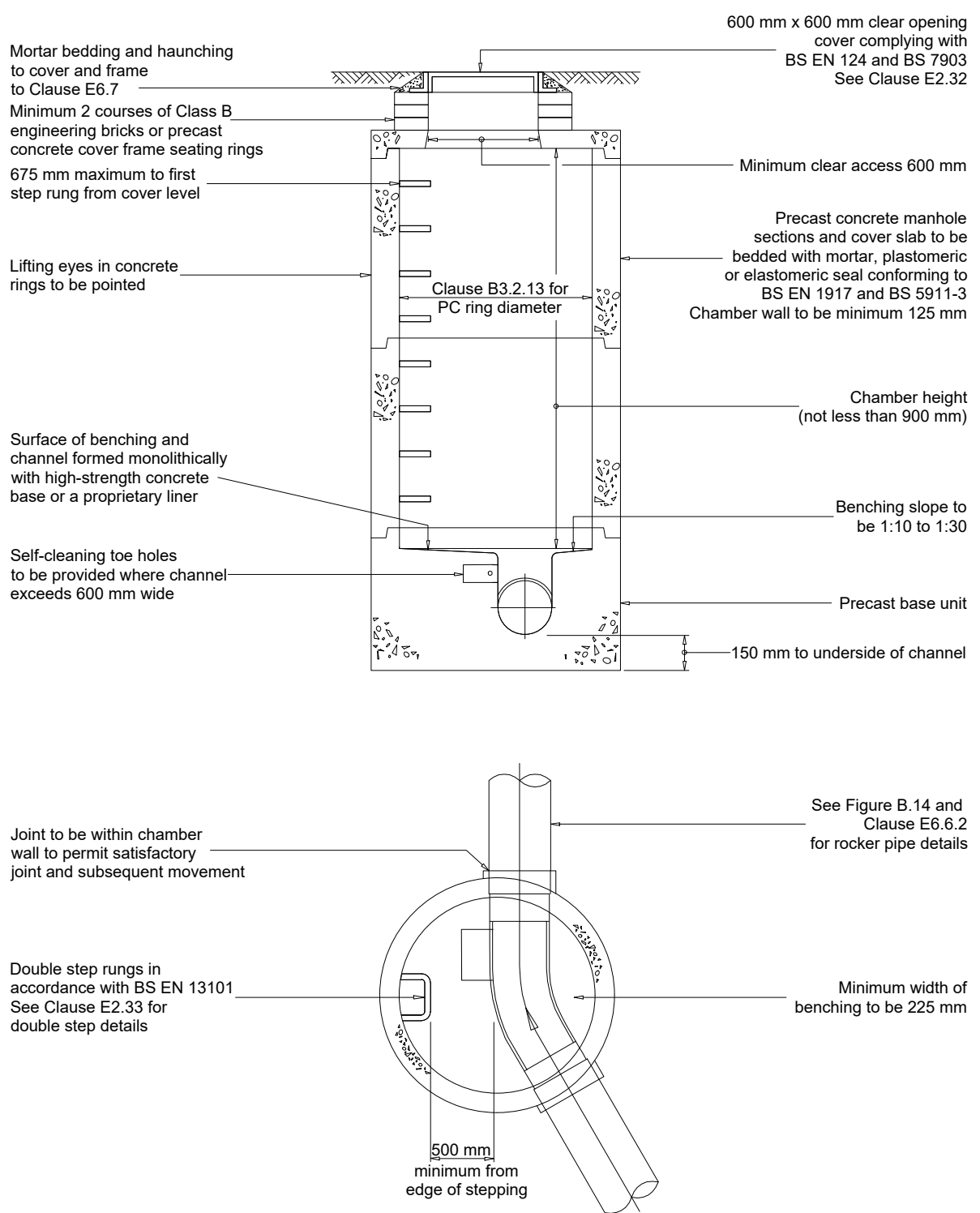


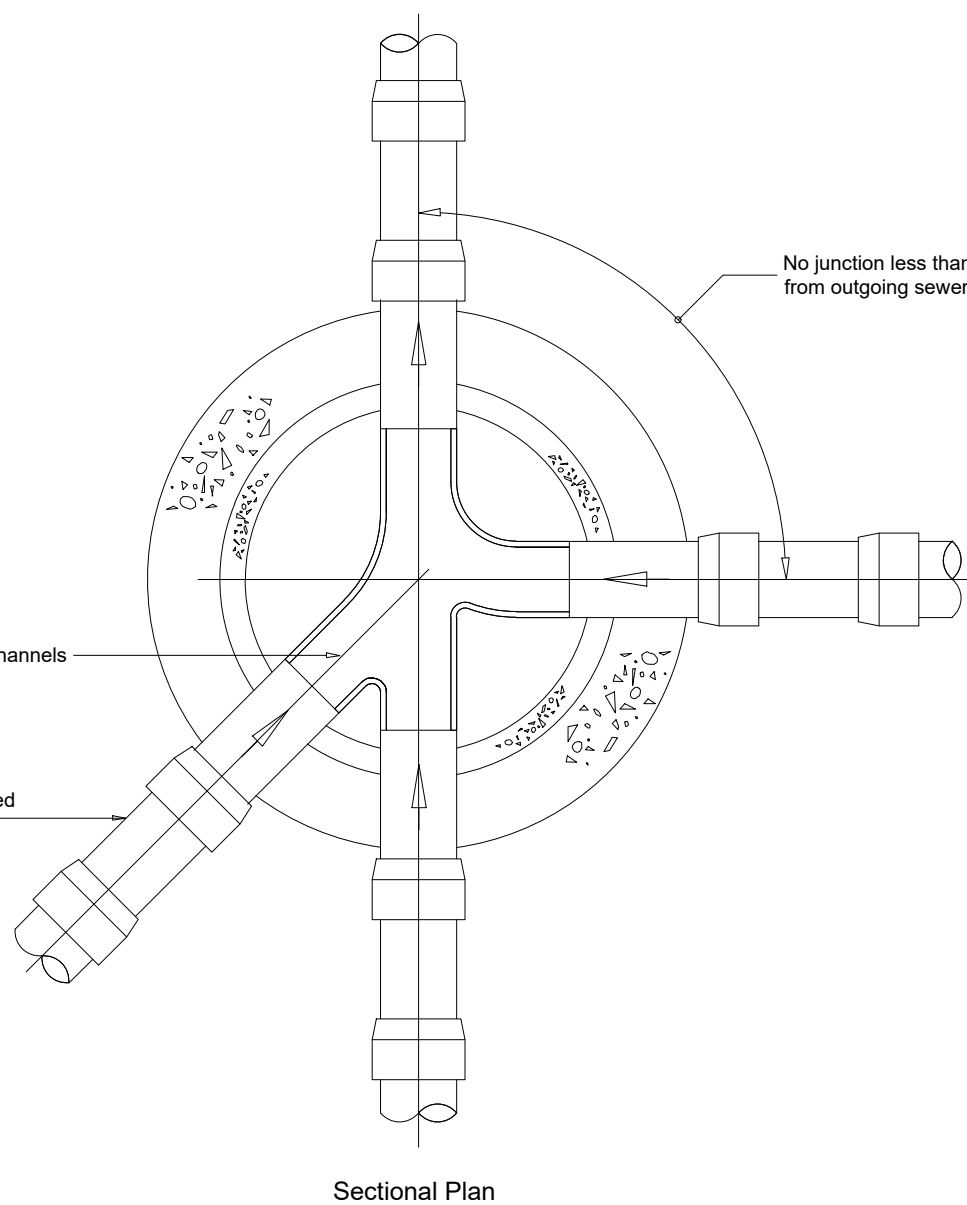
FIGURE B.26  
JOINTS FOR CONCRETE ENCASED PIPES



TYPICAL MANHOLE DETAIL - TYPE 2 (Alternative construction detail)  
Maximum depth from cover level to soffit of pipe 3.0 m



TYPICAL ARRANGEMENT OF PIPE JUNCTIONS WITHIN MANHOLES

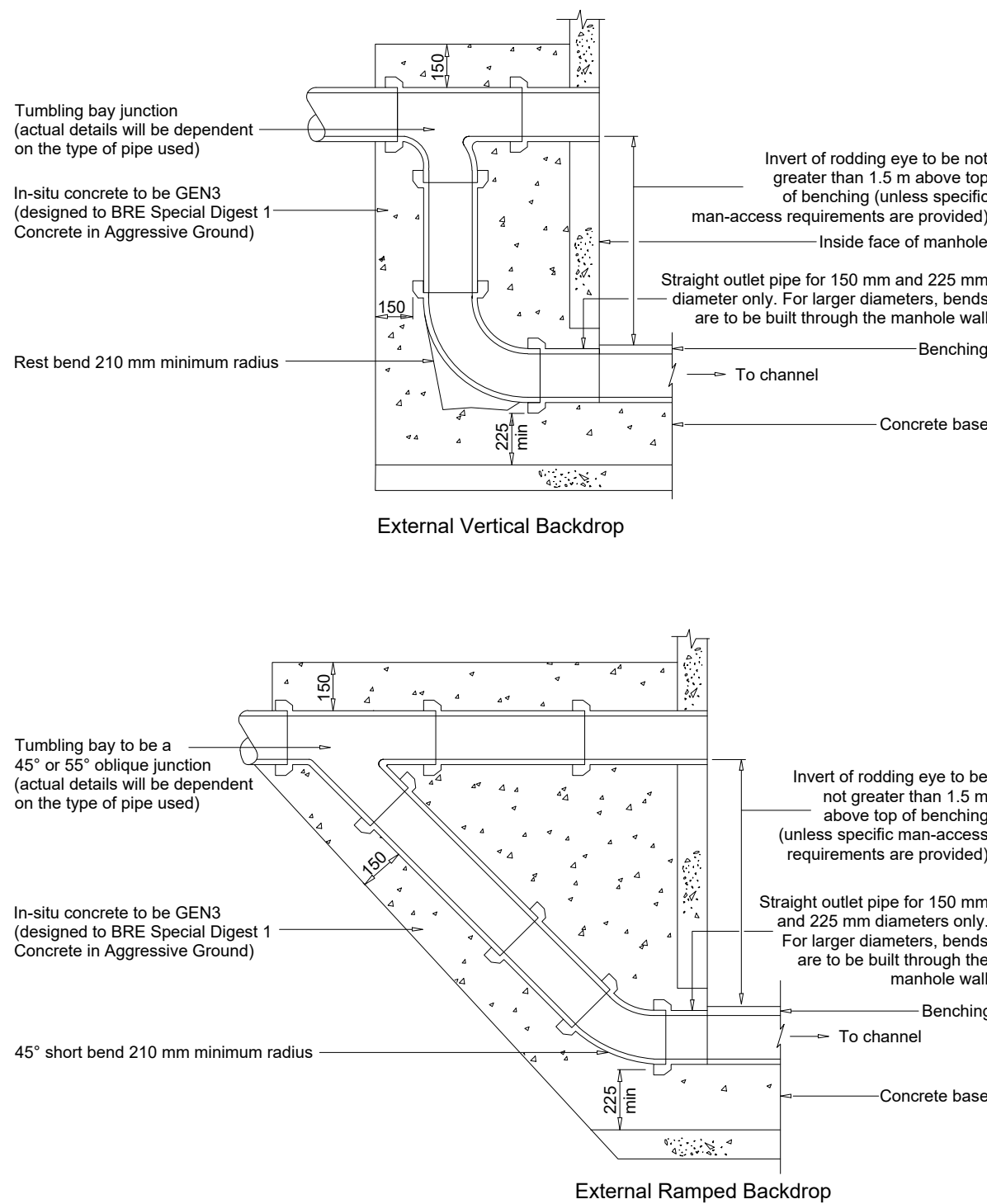


Rigid pipes built into manhole should have a flexible joint as close as feasible to the external face of the structure and the length of the next rocker pipe should be as shown.

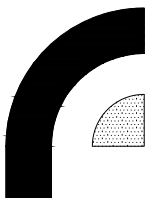
| Nominal diameter (mm) | Maximum effective length (m) |
|-----------------------|------------------------------|
| 150 - 600             | 0.6                          |
| 601 - 750             | 1.00                         |
| over 750              | 1.25                         |

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

FIGURE B.15  
TYPICAL VERTICAL AND RAMPED BACKDROP DETAIL  
Note: Steeper gradients are preferred to the use of backdrops.  
Type of backdrop to be used to be agreed with Undertaker.



Not to scale, dimensions in millimetres

|                                                                                       |          |                                                                                                                      |                     |           |            |           |      |
|---------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------|---------------------|-----------|------------|-----------|------|
| P01                                                                                   | 09.07.21 | ISSUED FOR REVIEW AND COMMENT                                                                                        |                     | AR        | LF         |           |      |
| Rev                                                                                   | Date     | Comment                                                                                                              |                     | By        | Check      |           |      |
| Status Code                                                                           |          | Drawing Status                                                                                                       |                     |           |            |           |      |
| S3                                                                                    |          | PRELIMINARY                                                                                                          |                     |           |            |           |      |
| This drawing may only be used for construction/manufacture if status is CONSTRUCTION  |          |                                                                                                                      |                     |           |            |           |      |
|  |          | <b>Furness Partnership</b><br>Consulting Structural/Civil Engineers                                                  |                     |           |            |           |      |
| <input checked="" type="checkbox"/> London                                            |          | 20 Britton Street, London, EC1M 5TX,<br>tel: 020 7490 4353 fax: 020 7490 4354<br>e-mail: info@furnesspartnership.com |                     |           |            |           |      |
| <input type="checkbox"/> Bradford                                                     |          | The Paper Hall, Anne Gate, Bradford, BD1 4EQ<br>tel: 01274 352092<br>e-mail: mail@furnesspartnership.com             |                     |           |            |           |      |
| Project                                                                               |          |                                                                                                                      |                     |           |            |           |      |
| RIVERMEAD LEISURE CENTRE                                                              |          |                                                                                                                      |                     |           |            |           |      |
| Drawing<br>Title                                                                      |          |                                                                                                                      |                     |           |            |           |      |
| PROPOSED DRAINAGE DETAILS<br>SHEET 1                                                  |          |                                                                                                                      |                     |           |            |           |      |
| FP Job No.                                                                            |          | Drawn                                                                                                                | Date                | Checked   | Scale @ A1 |           |      |
| 6265                                                                                  |          | A.R.                                                                                                                 | JULY 2021           | L.F.      | N.T.S.     |           |      |
| PROJECT                                                                               | OPERATOR | ZONE /<br>VOLUME                                                                                                     | LEVEL /<br>LOCATION | FILE TYPE | ROLE       | SHEET No. | Rev. |
| 61496                                                                                 | FUR      | PP                                                                                                                   | ZZ                  | DR        | D          | 0931      | P01  |