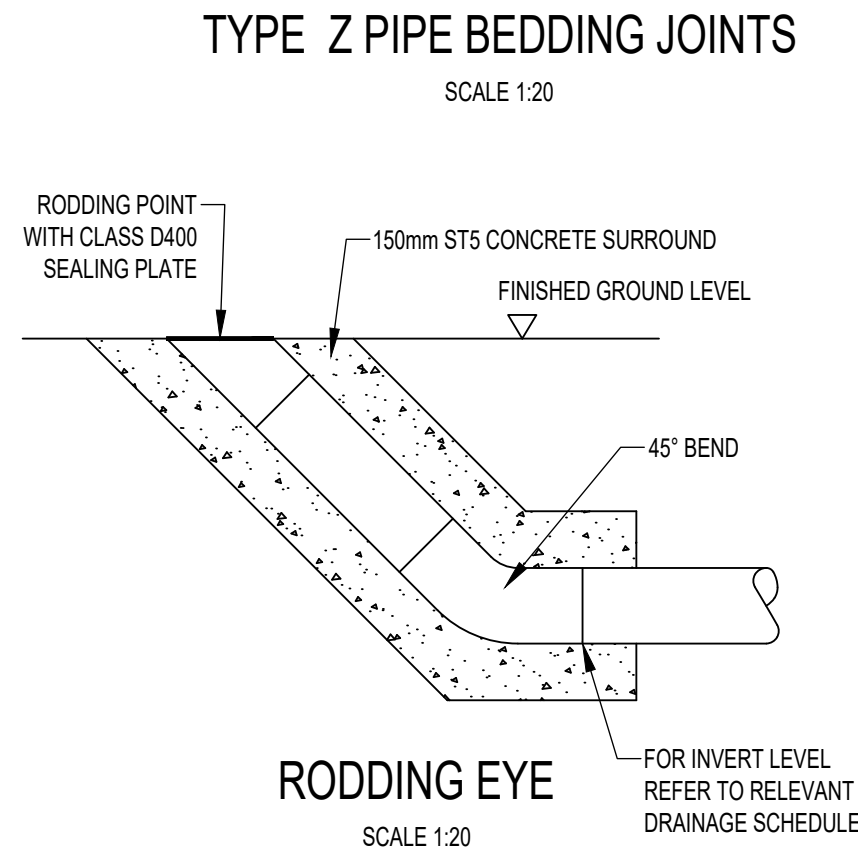
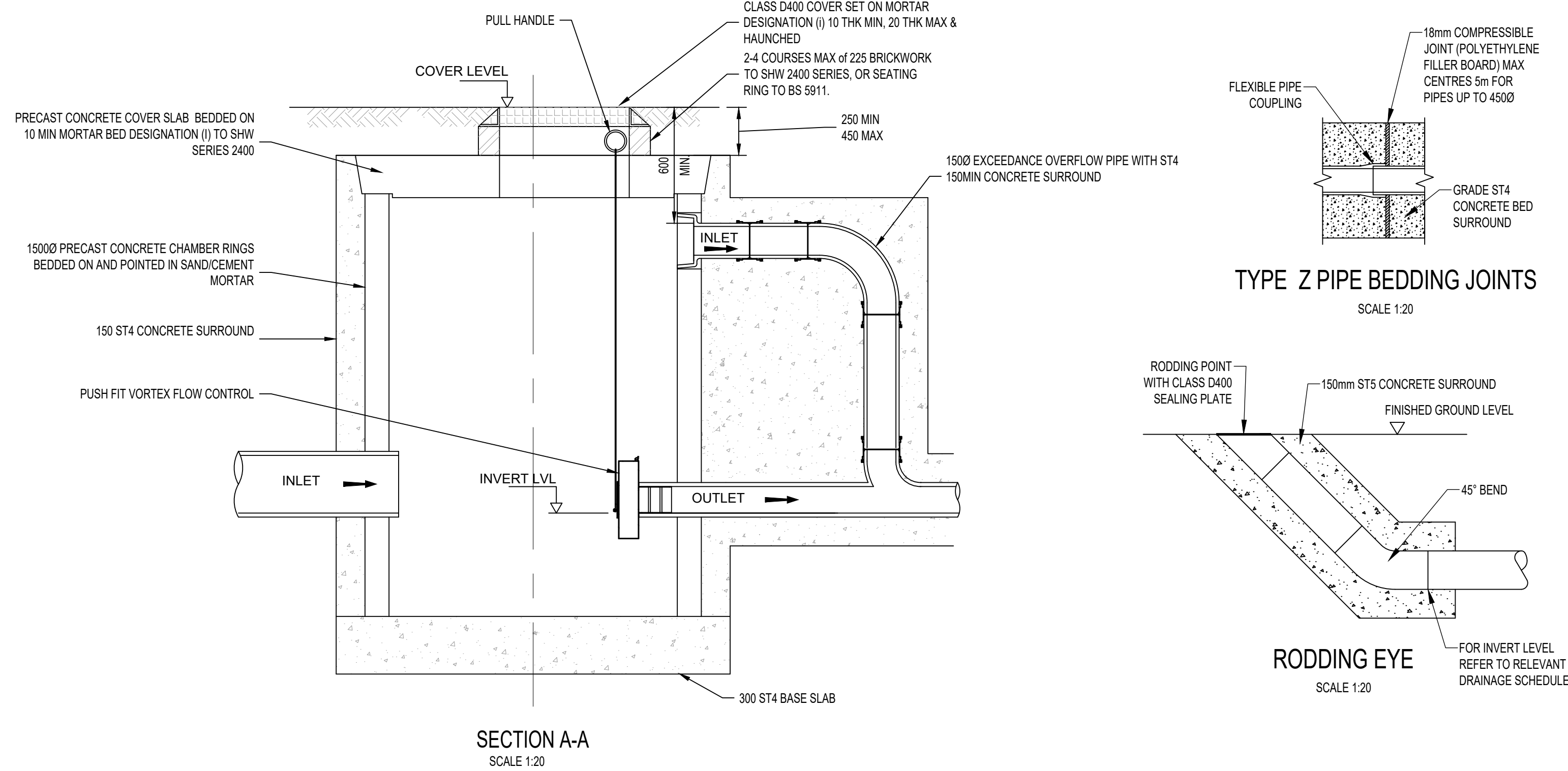
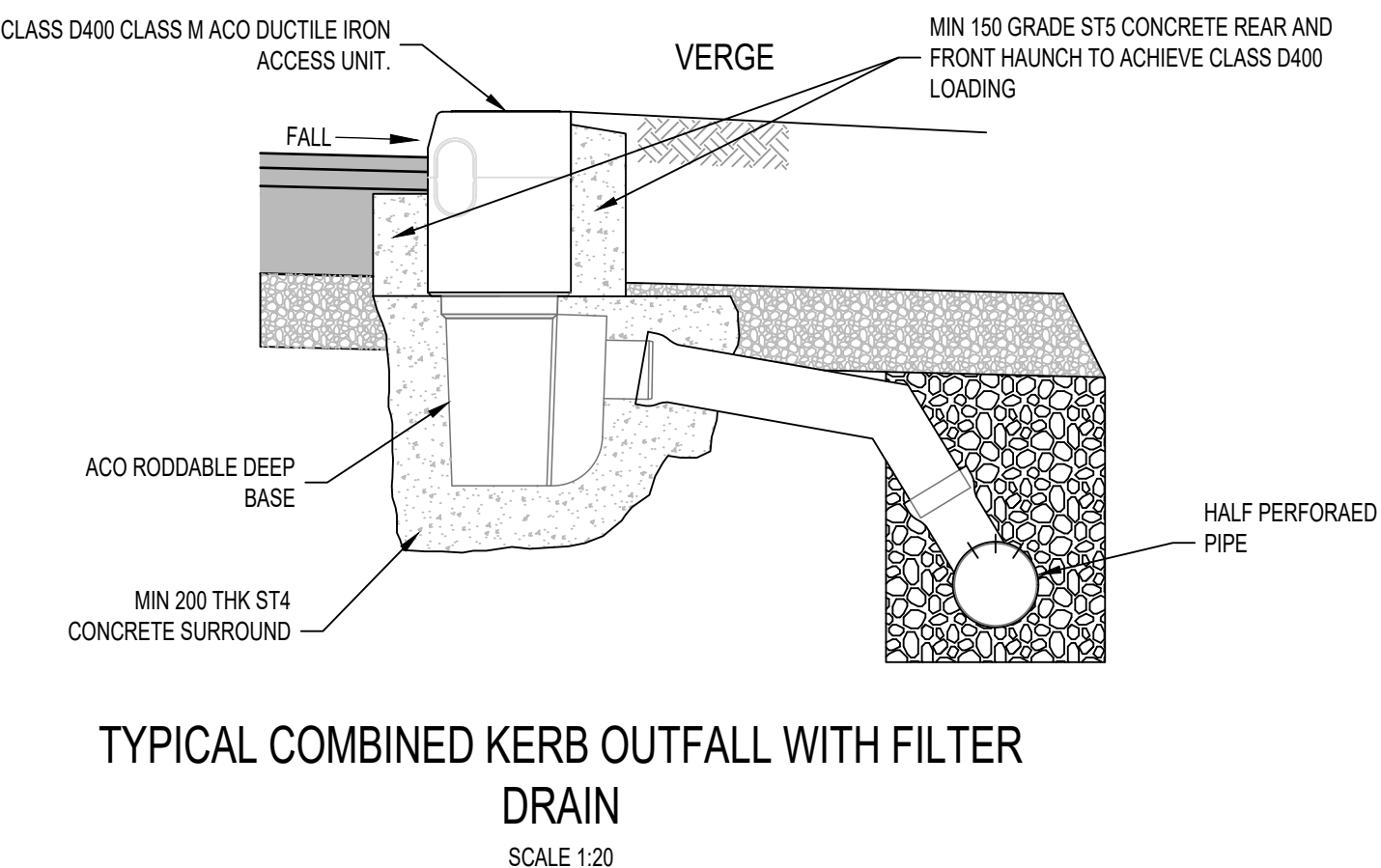
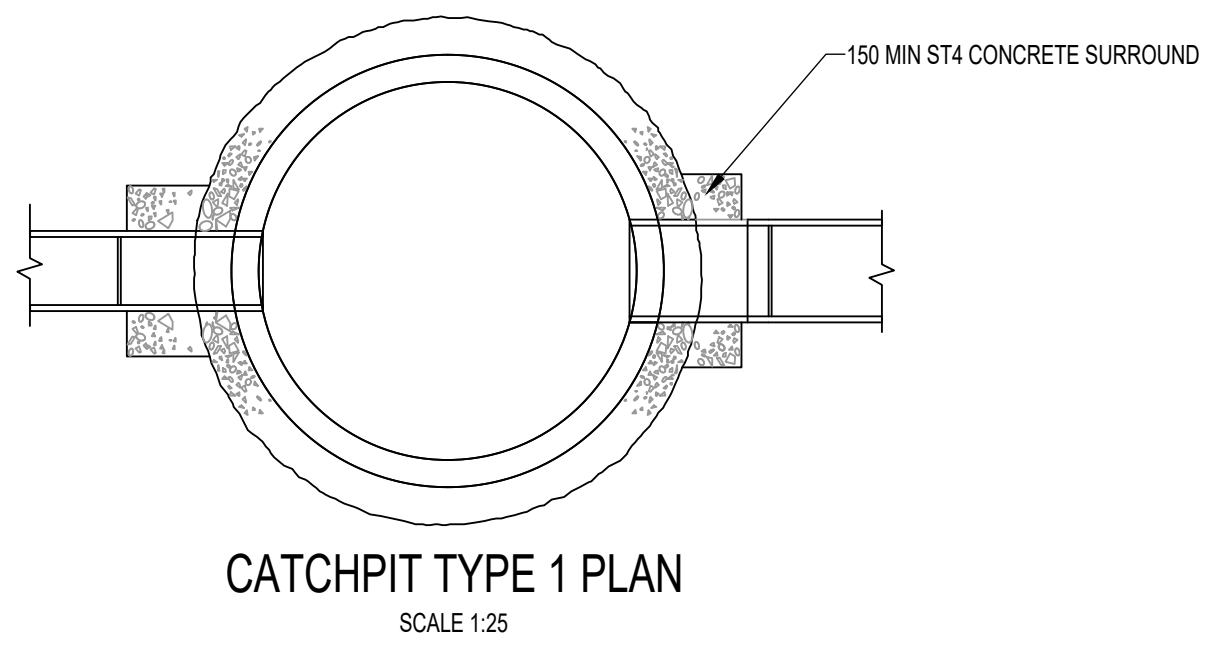
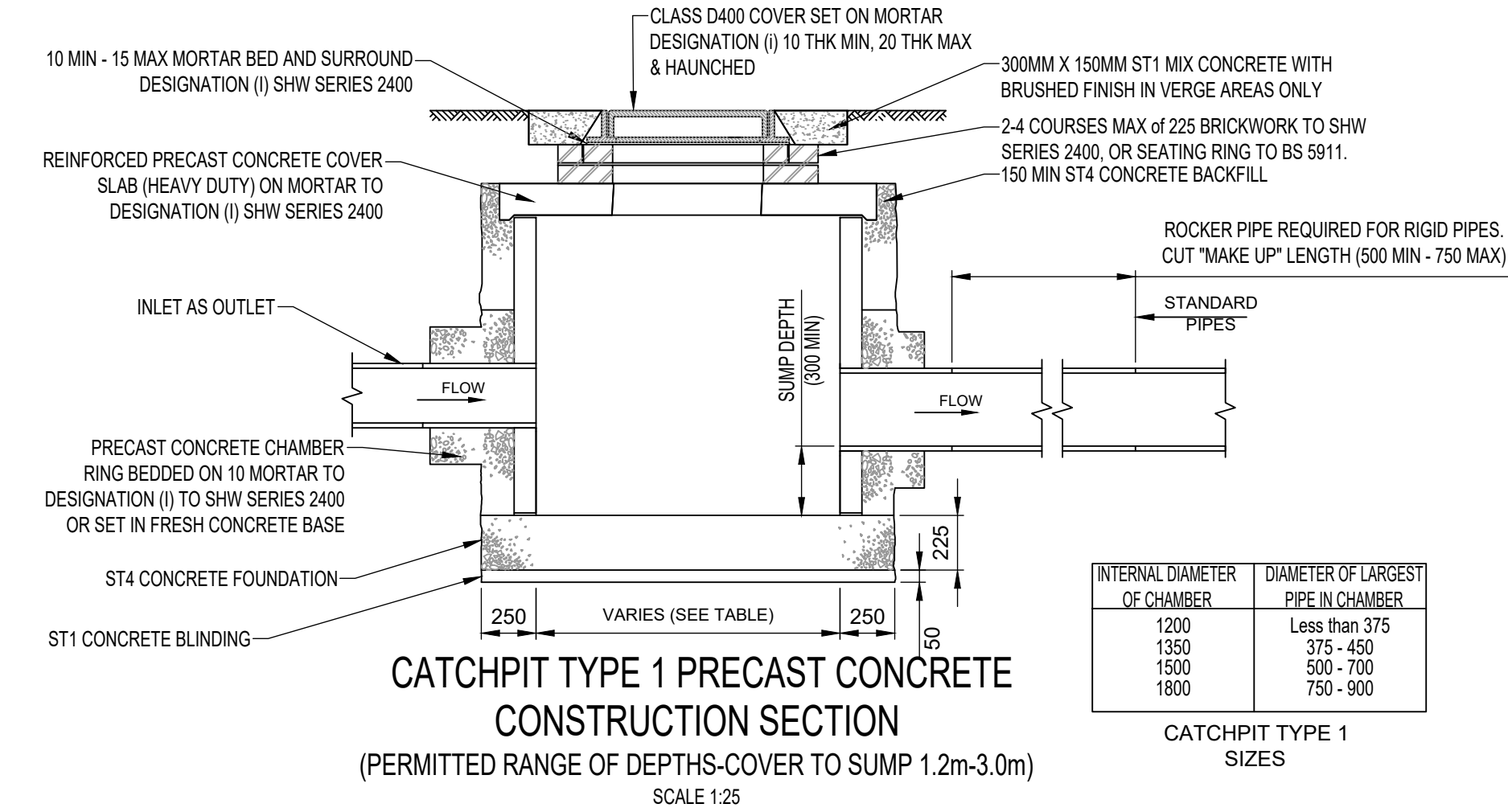
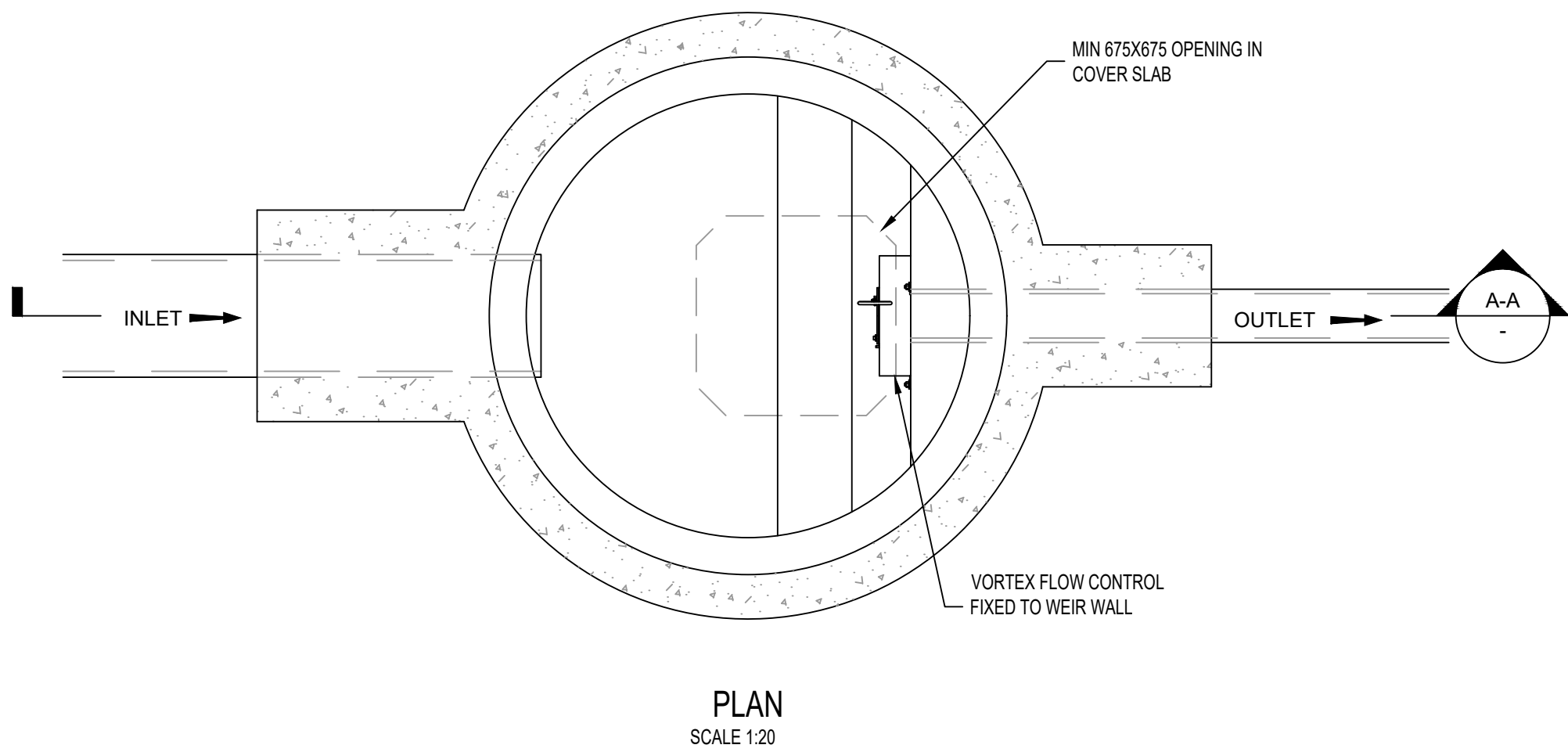
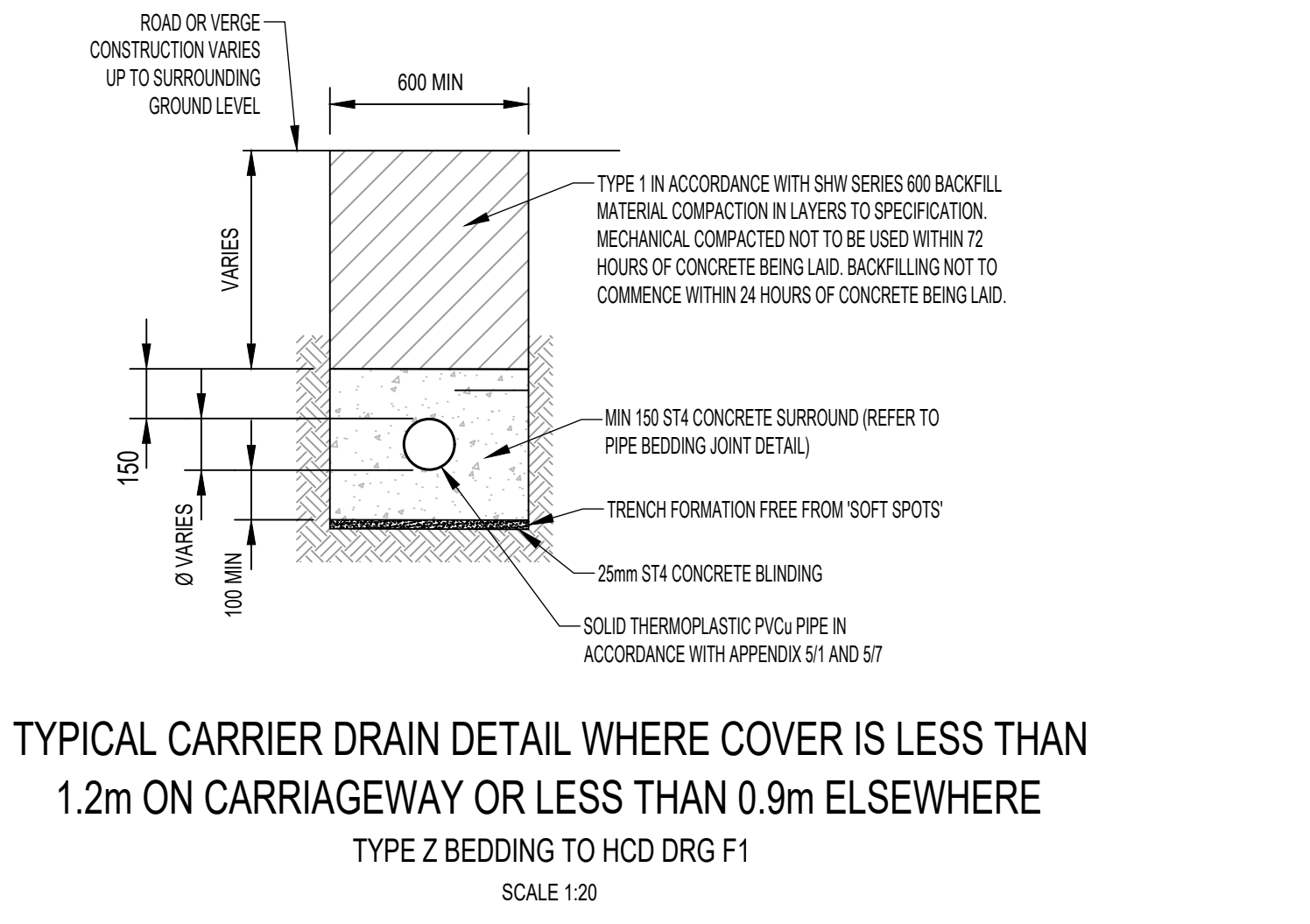
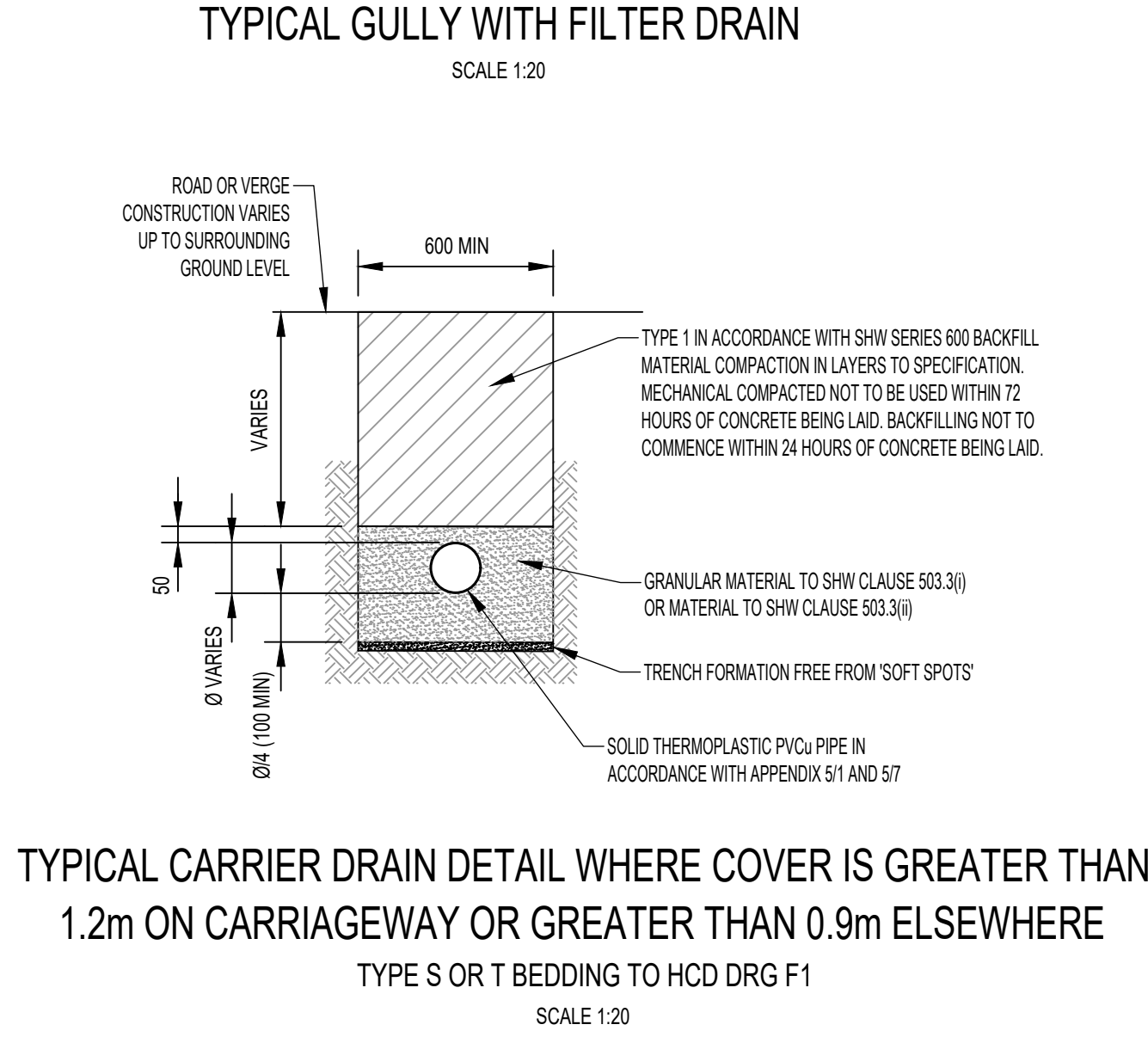
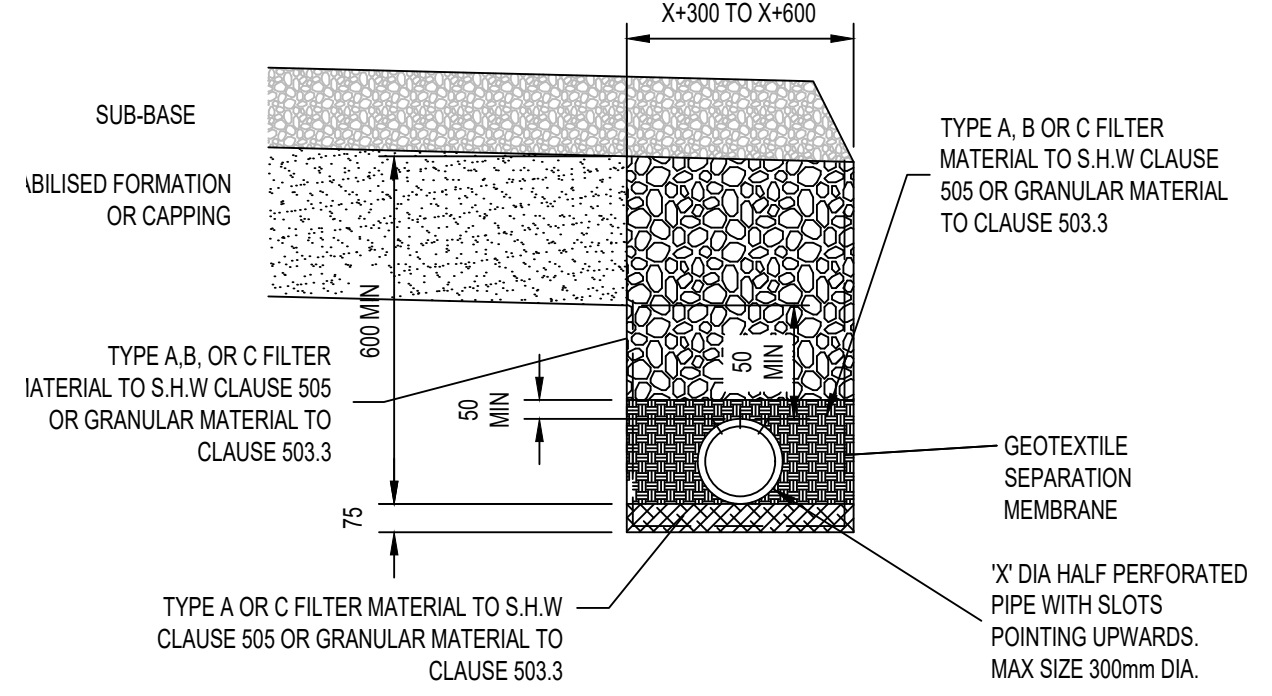
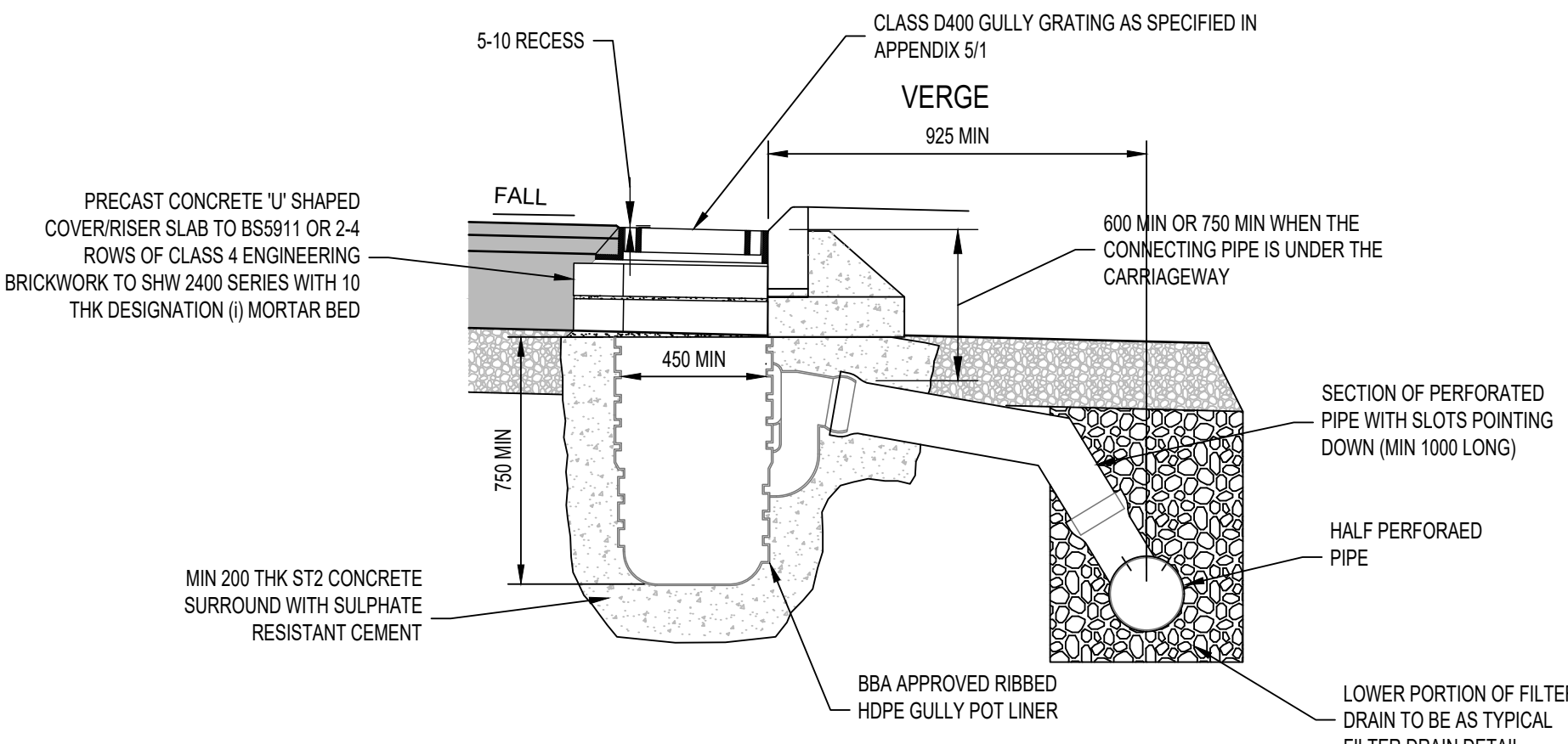


TYPICAL ATTENUATION CHAMBER DETAIL

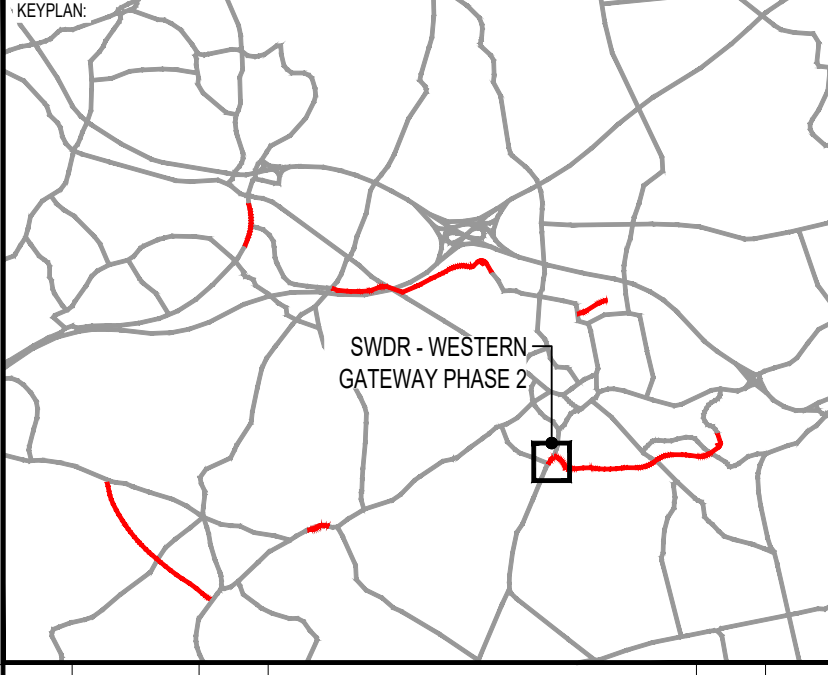


| CHAMBER  | STORAGE STRUCTURE | HYDROBRAKE REFERENCE       | HYDROBRAKE I.L. (m) | DESIGN HEAD (m) | DESIGN FLOW (l/s) | OVERFLOW I.L. (m) | DISCHARGE RATE 1:1YR + 10% CC (l/s) | DISCHARGE RATE 1:30YR + 20% CC (l/s) | DISCHARGE RATE 1:100YR + 40% CC (l/s) |
|----------|-------------------|----------------------------|---------------------|-----------------|-------------------|-------------------|-------------------------------------|--------------------------------------|---------------------------------------|
| C1-1.004 | OVERSIZED PIPES   | MD-SHE-0330-6160-0505-6160 | 50.908              | 0.505           | 61.6              | 51.670            | 28.7 (SEE NOTE 4)                   | 61.5                                 | 69.1 (flood - 5.5 m <sup>2</sup> )    |



DO NOT SCALE

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
  - ALL LEVELS ARE IN METRES AOD UNLESS NOTED OTHERWISE.
  - TO BE READ IN CONJUNCTION WITH DRAWING WMHP-TG-WG2-DR-DD-0501 AND DRAINAGE SPECIFICATION WMHP-TG-WG2-SP-DD-0501 AND SCHEDULE WMHP-TG-WG2-SH-DD-0501.
  - THE FLOW RATE FOR THE 1:1 YEAR STORM CANNOT BE RESTRICTED TO THE EXISTING 1:1 YEAR FLOW RATE WITHOUT MORE COMPLEX FLOW CONTROL ARRANGEMENTS. GIVEN THAT THE MORE STRINGENT 1:30 YEAR CC IS ADEQUATELY RESTRICTED AND GIVEN THAT THE DIFFERENCES BETWEEN THE PROPOSED AND EXISTING DISCHARGE RATES ARE MINIMAL FOR THE 1:1 YEAR STORM THIS HAS BEEN DEEMED AS ACCEPTABLE IN THE DESIGN.



|     |            |     |                                                 |     |     |
|-----|------------|-----|-------------------------------------------------|-----|-----|
| PO2 | 30/07/2021 | BPH | REVISED FOR PLANNING DISCHARGE AND SCO COMMENTS | BH  | JC  |
| PO1 | 04/02/2021 | RDS | DETAILED DESIGN ISSUE                           | BH  | JC  |
| REV | DATE       | BY  | DESCRIPTION                                     | CHK | APP |

DRAWING STATUS: **SUITABLE FOR EXAMINATION** **S8**

DESIGNER: **Tony Gee and Partners LLP**  
Hardy House  
140 High Street  
Esher, Surrey  
KT10 9JL  
Tel: 01372 461600  
www.tonygee.com  
Consulting Civil, Structural and Geotechnical Engineers

CONTRACTOR: **Balfour Beatty**

CLIENT: **WOKINGHAM BOROUGH COUNCIL**  
Shute End, Wokingham, Berkshire RG40 1BN  
Tel: (0118) 974 6000 Web: www.wokingham.gov.uk

PROJECT: **WOKINGHAM MAJOR HIGHWAYS PROGRAMME  
SWDR WESTERN GATEWAY PHASE 2**

TITLE: **ROUNDBOUT ENHANCEMENT  
DRAINAGE  
DETAILS**

|                                       |                  |                 |
|---------------------------------------|------------------|-----------------|
| SCALE @ A1:<br>AS SHOWN               | CHECKED:<br>BH   | APPROVED:<br>JC |
| PROJECT NO:<br>C118048                | DESIGNED:<br>RDS | DRAWN:<br>RDS   |
| DRAWING NO:<br>WMHP-TG-WG2-DR-DD-0511 | DATE:<br>July 21 | REV:<br>P02     |

File name: S:\PROJECTS\2021\BCT18048\BMD1-WP\DRAWINGS\WMHP-TG-WG2-DR-DD-0511.DWG, printed on 28 July 2021 19:15:51, by Ben Hawkins