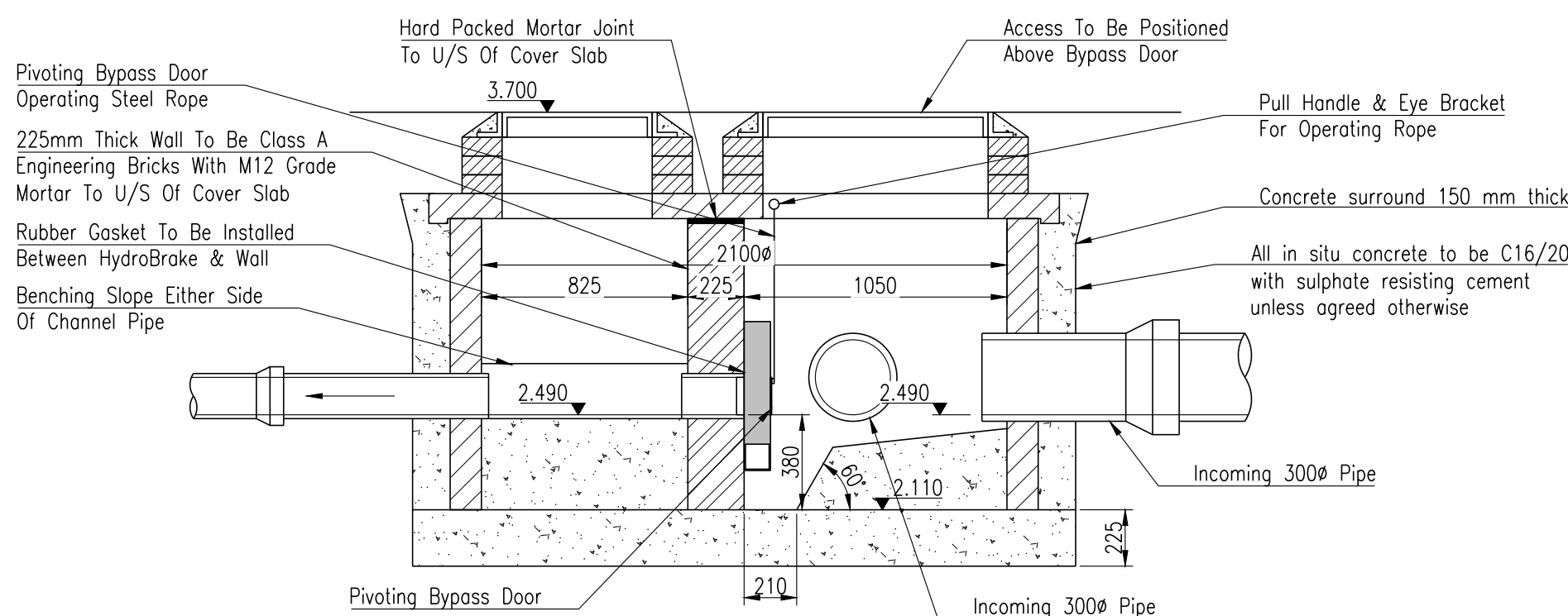
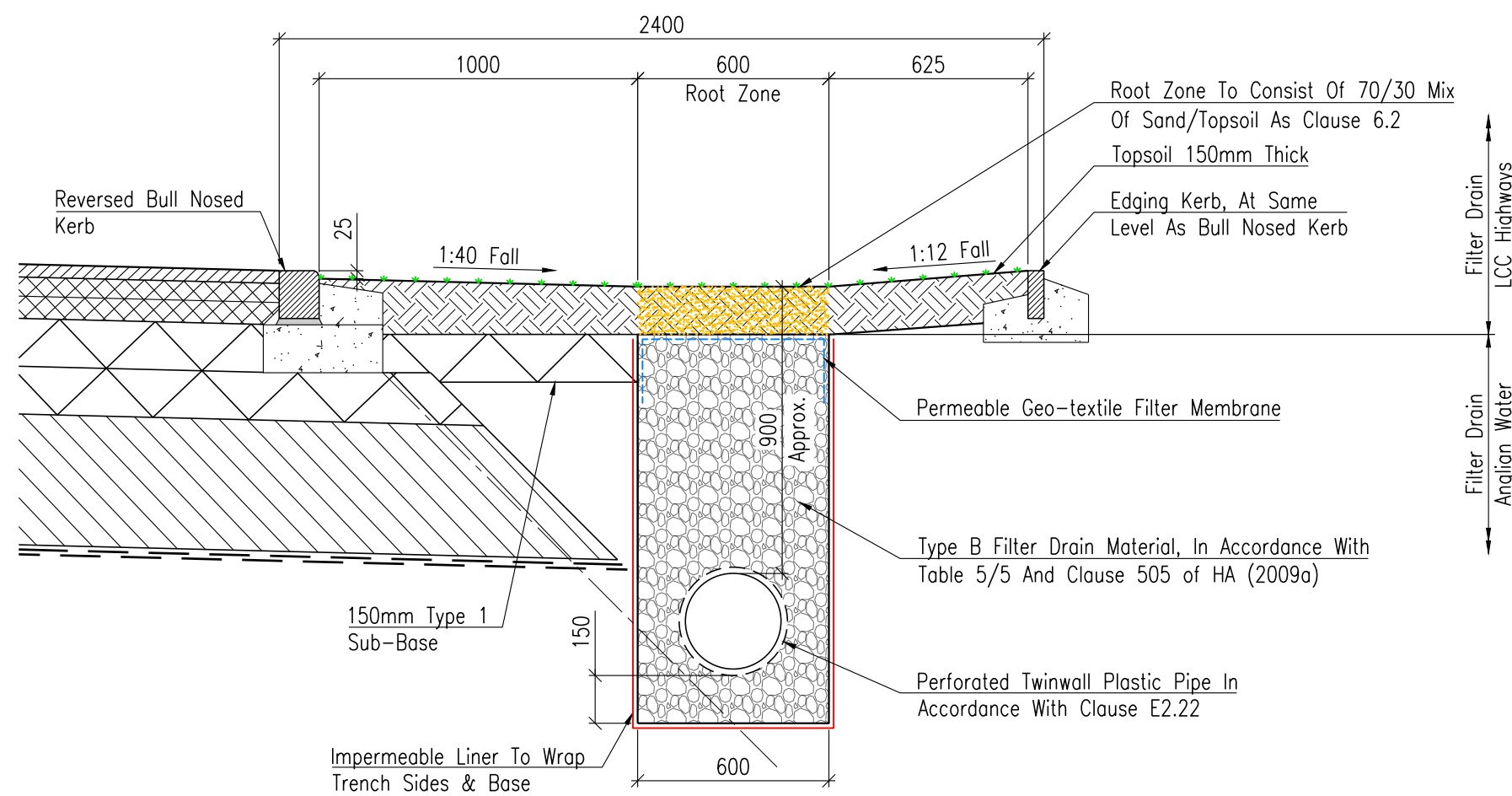


### S13 HYDROBRAKE MANHOLE DETAIL

Scale 1:25



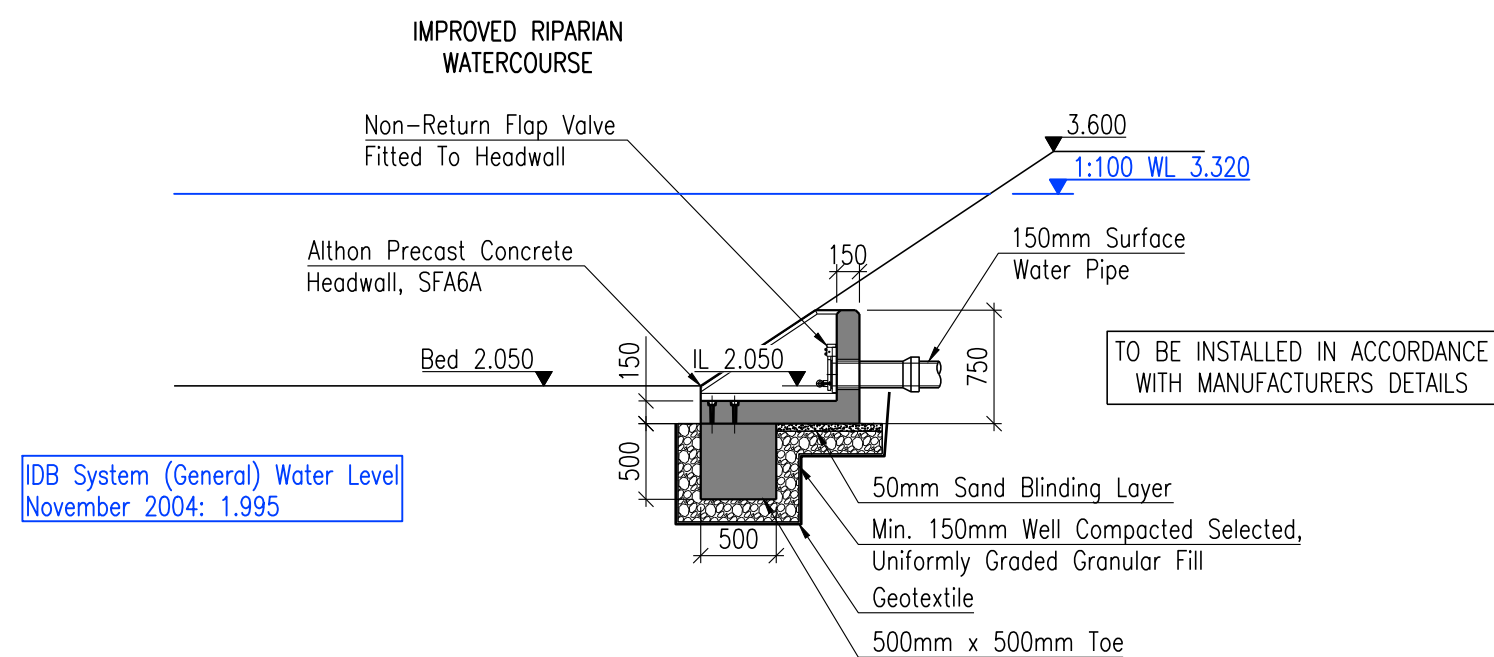
## Section



### Typical Filter Drain Construction Detail

Scale 1:20


FOR ADDITIONAL DRAINAGE DETAILS  
PLEASE REFER TO DRAWING 11221/22



### Proposed Outfall Detail To Watercourse

Scale 1:50

1. If you do not fully understand the risks involved during the construction of the items included on this drawing ask your manager, health & safety advisor or a member of the design team before proceeding.
  2. Existing services may exist on-site. The contractor shall liaise with all relevant service companies and arrange for all services to be located, marked and protected.
  3. Drainage works may involve deep excavations and/or heavy plant/materials. The contractor shall read and understand the Ground Investigation Report and be aware of potential variations in soil conditions over the site.
  4. The potential for danger to the general public and site personnel exists from the presence of high voltage overhead power lines on the highway authority (Lincolnshire County Council) and ensure safe method of working is maintained at all times.
  5. Contractors shall ensure that pipes are asbestos cement or fibre reinforced pipes, or concrete pipes containing asbestos fibre. Contractor to ensure competent staff adequately trained are engaged in the works, and disposal of any affected material undertaken in line with current legislation and good practice guidelines.
  6. Contractors to be aware that overhead cables may cross the site.
  7. The contractor shall be aware that workers may involve working adjacent to or in existing watercourses.
  8. Works may involve working in close proximity to an existing water main. The contractor is to ensure that this is fully located and protected during the works.
- The specification in all respects shall be in accordance with the Lincolnshire County Council Development Road and Sustainable Drainage Specification and Construction.
2. Within the channel of traditional drainage, the minimum longitudinal fall for highways, without channel blocks shall be 1 in 150, and with channel blocks 1 in 250.
- See Clause 10.1 of the Development Road and Sustainable Drainage Specification and Construction. In addition, ensure that the first section of the road falls away from the road to the right which is covered by general topography requires it to rise, this change of direction should take place after the first set of gullies. This is to ensure a 'false bottom' with associated debris problems is not created in the bedrock of junctions.
3. General deterioration of the existing highway/footway/verges created through the use of the new drainage system. This includes the removal of the current Development Road and Sustainable Drainage Specification and Construction of the developers' own cost at the agreement of the inspecting Development Management Officer.
  4. No Private surface water shall discharge onto the adoptable highway.
  5. No private, structural features shall overhang the adoptable highway.
  6. No private retaining walls exceeding 1.37m shall be within 3.66m of the highway boundary.

| A  | 11.02.22 | Drawing Updated To Suit LCC & AWS Comments |          |                 |
|--|----------|--|----------|-----------------|
| Rev  | Date     | Remarks                                    |          |                 |
| Status   |          |  |          |                 |
| FOR INFORMATION  |          |  |          |                 |
|  <div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> <b>SIDEBOTTOM<br/>RICHARDSON<br/>CHENG LTD</b><br/> <small>CONSULTING STRUCTURAL AND CIVIL ENGINEERS</small> </div> <div style="display: inline-block; vertical-align: middle; margin-left: 10px;"> <small>15 High Street,<br/>Spalding,<br/>Lincs. PE11 1TW</small><br/> <small>Tel: 01775 712660<br/>Fax: 01775 712635<br/>Email: src@src66.co.uk</small> </div> |          |  |          |                 |
| Project  |          |  |          |                 |
| <b>Residential Development off<br/>South Street, Swineshead,<br/>Boston, Lincs.</b><br><b>For SL Developments</b>  |          |  |          |                 |
| Title  |          |  |          |                 |
| <u>Section 104</u><br><b>Proposed Drainage Details</b><br><b>(Sheet 2 of 2)</b>  |          |  |          |                 |
| Date   | Nov, '21 | Scale                                      | As Shown | @A1             |
| Drawn  | MP       | Checked                                    | SRC      |                 |
| Design   | SRC      | File Name                                  | 11221-23 |                 |
| DRG No. 11221/23   |          |  |          | Rev<br><b>A</b> |