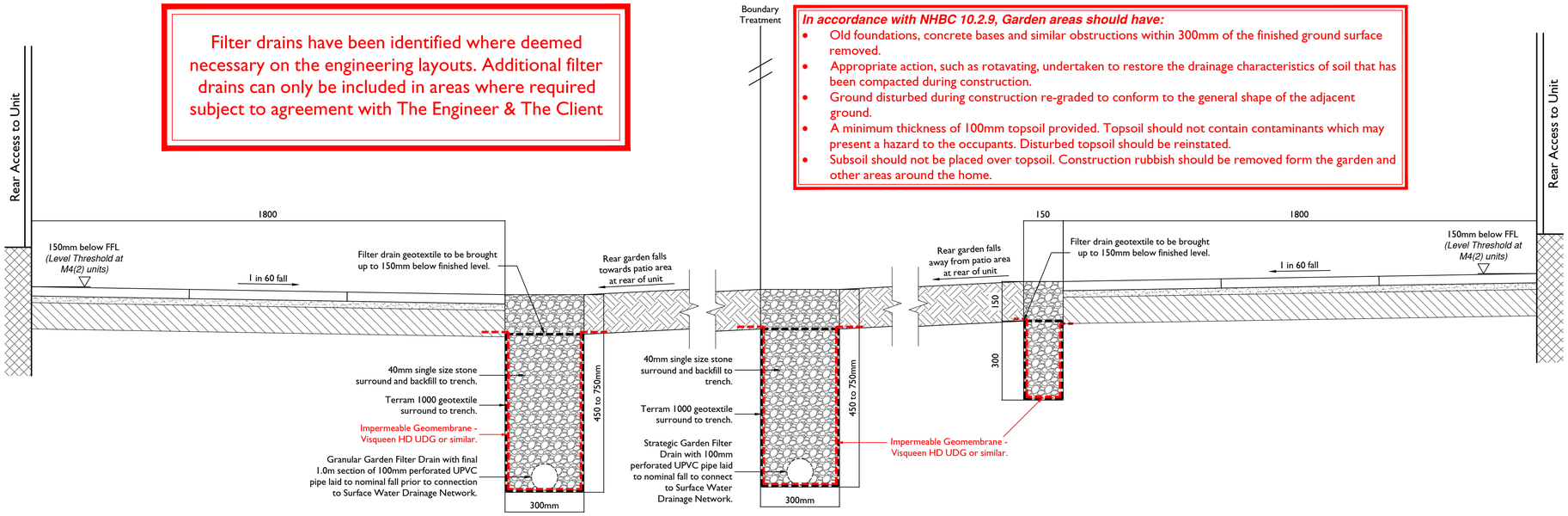
Filter drains have been identified where deemed necessary on the engineering layouts. Additional filter drains can only be included in areas where required subject to agreement with The Engineer & The Client

***In accordance with NHBC 10.2.9, Garden areas should have:***

- Old foundations, concrete bases and similar obstructions within 300mm of the finished ground surface removed.
- Appropriate action, such as rotavating, undertaken to restore the drainage characteristics of soil that has been compacted during construction.
- Ground disturbed during construction re-graded to conform to the general shape of the adjacent ground.
- A minimum thickness of 100mm topsoil provided. Topsoil should not contain contaminants which may present a hazard to the occupants. Disturbed topsoil should be reinstated.
- Subsoil should not be placed over topsoil. Construction rubbish should be removed form the garden and other areas around the home.




## Typical Strategic Cross Section Through Rear Gardens

*(This detail has been provided in the unlikely event that the conditions listed above are not met and to provide an additional means for flood mitigation in rear gardens)*

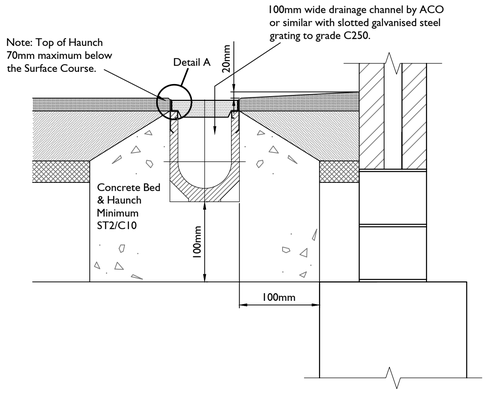
## NOTES

1. This drawing should be read in conjunction with other Domestic Drainage Construction Details, Foul & Surface Water Sewer Longitudinal Sections (CIV-4100 to 4110), Foul & Surface Water Sewer Manhole Schedules (CIV-4310 to 4311) and Domestic Drainage Layouts (CIV-4351 to 4355).
2. All dimensions are in millimetres unless stated otherwise.
3. Do not scale from this drawing. Only written dimensions are to be used.
4. All construction to be in accordance with SSG Appendix C Design and Construction Guidance Version 2.3 dated November 2023 and the specific requirements of IWNL Water.
5. Refer to geotechnical report for sulphate resisting class and ACEC class.
6. Insitu concrete generally to be GEN 4 Designated Mix.
7. Insitu reinforced concrete to be RC 35 Designated Mix only when specified.
8. All insitu concrete to be thoroughly compacted.
9. All covers to be stamped "FW" or "SW". as appropriate.
10. For Manufacturer and specification of pipes and fittings refer to drainage layout and schedule.
11. Drainage pipes and fittings to be Hepworth vitrified clay and PVCu or Wavin Osma PVCu or other equivalent approved. Refer to drainage layout and schedules for details of manufacturer and specification.
12. *Outgoing pipes greater than 600mm diameter should be fitted with guard bars, safety chains [to BS EN 818-3] or other safety devices in accordance with the IWNL Water safety policy.*

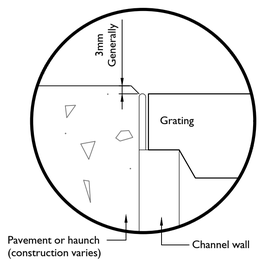
## DEPTH OF PIPE COVER

The minimum depth of pipe cover to the crown of gravity pipes without protection should be as follows:

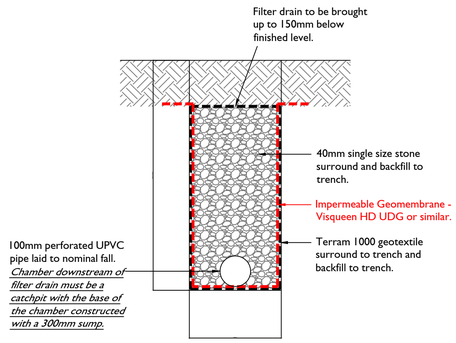
- domestic gardens and pathways without any possibility of vehicular access, 0.35m;
- domestic driveways, parking areas and yards with height restrictions to prevent entry by vehicles with a gross weight in access of 7.5 tonnes, 0.5m;
- domestic driveways, parking areas and narrow streets without footways (e.g. mews developments) with limited access for vehicles with a gross weight in excess of 7.5 tonnes, 0.9m;
- agricultural land and public open space, 0.9m;
- other highways and parking areas with unrestricted access to vehicles with a gross vehicle weight in excess of 7.5 tonnes, 1.2m.




## Channel Drainage Construction Typical Detail

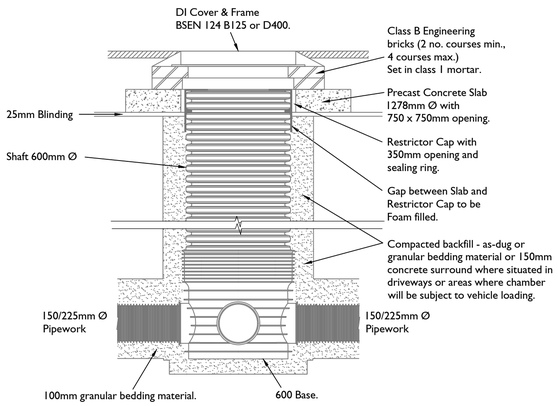



Detail A

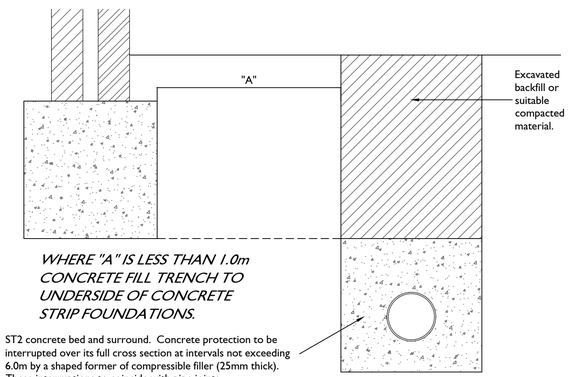


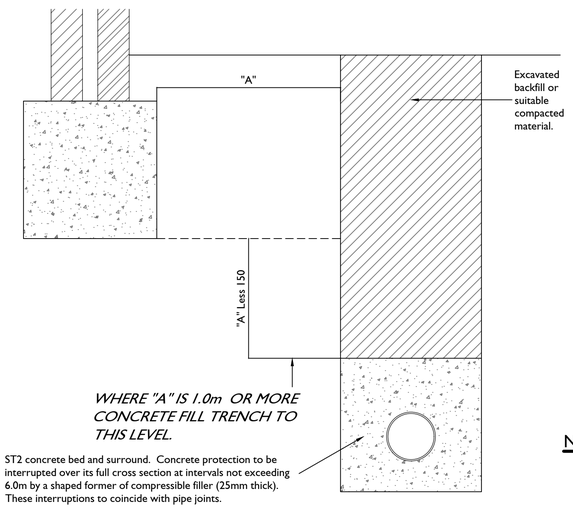

## Filter Drain Typical Detail

*(Connection of filter drains to the Surface Water Network is subject to Approval from IWNL Water)*




## 600mmØ PPIC Typical Detail




## Pipe Runs Near Buildings

*NOTE: THIS DETAIL IS NOT APPLICABLE WHERE BUILDINGS HAVE PILED FOUNDATIONS.*

**NOTE:-** WHERE SCHEDULE INDICATES CATCHPIT, BASE OF CHAMBER TO BE CONSTRUCTED 500mm SUMP IN PLACE OF BENCHED BASE

*SUBJECT TO PLANNING APPROVAL*

### CDM NOTES

1. EXISTING SERVICES. Depth of existing services must be determined prior to works commencing. The contractor is responsible for establishing underground services in accordance with HSE Guidance note HS (G) 47. Any services which would be within the proposed construction layers must be lowered to below the sub-base.

| Rev | Note |
|---|---|

**INITIAL TENDER ISSUE**
SUBJECT TO ADOPTING AUTHORITY APPROVAL

Scale @ A1: Not to Scale

| Rev | Date | Drawn | Checked | Authorised |
|---|---|---|---|---|

Project: Crawley Down Road, Felbridge

Title: Domestic Drainage Construction Details Sheet 2

Client: BARRATT HOMES

Date: JUNE 2025 Drawn by : AD
Checked by : JC Authorised by : TRS
Drg No: CIV-4361 Rev:

INFRA ENGINEERING PRACTICE

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