

- This drawing should be read in conjunction with other Domestic Drainage Construction Details, Foul & Surface Water Sewer Longitudinal Sections (200 Series), Foul & Surface Water Sewer Manhole Schedules (400 Series) & Domestic Drainage Layouts (450 Series).
- All dimensions are in millimetres unless stated otherwise.
- Do not scale from this drawing. Only written dimensions are to be used.
- All drainage construction to be in accordance with the Building Regulations & BS8301 & Sewerage Sector Guidance Appendix C Design and Construction Guidance v2.3 dated November 2023 and specific requirements of IWNL.
- Refer to geotechnical report for sulphate resisting class and ACEC class.
- In situ concrete generally to be GEN 4 Designated Mix.
- In situ reinforced concrete to be RC 35 Designated Mix only when specified.
- All in situ concrete to be thoroughly compacted.
- All covers to be stamped "FW" or "SW" as appropriate.
- For Manufacturer and specification of pipes and fittings refer to drainage layout and schedule.
- Drainage pipes and fittings to be Hepworth vitrified clay and PVCu or Wavin Osma PVCu or other equal approved. Refer to drainage layout and schedules for details of manufacturer and specification.
- 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.**

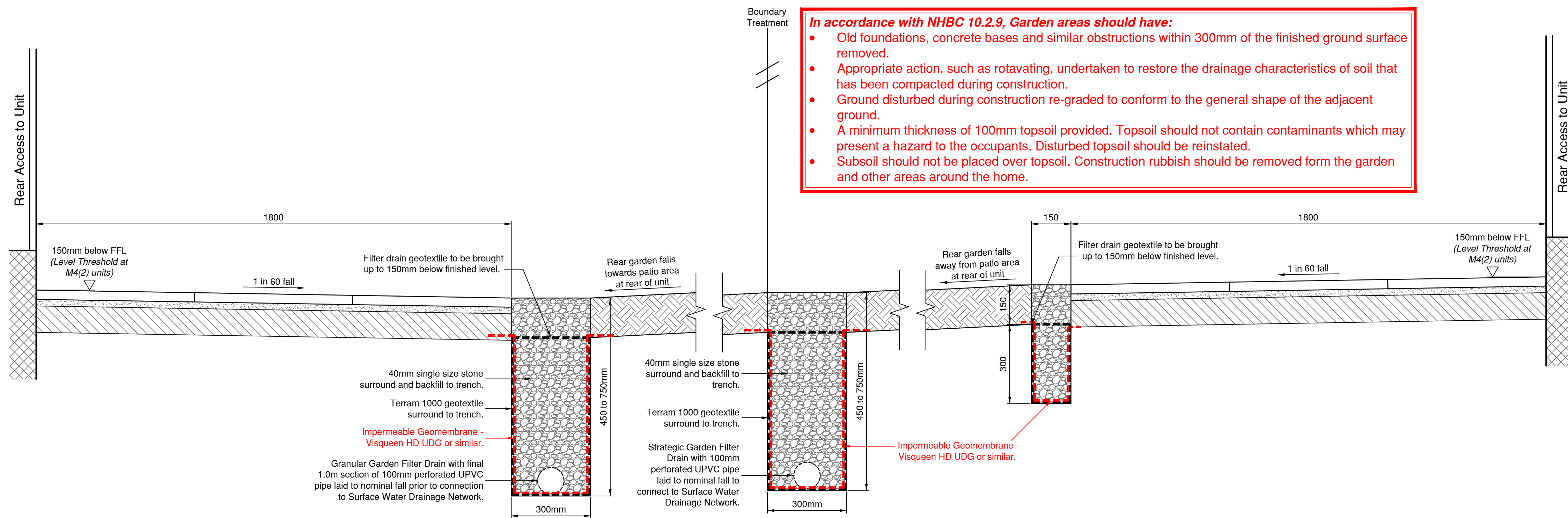
DEPTH OF PIPE COVER

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

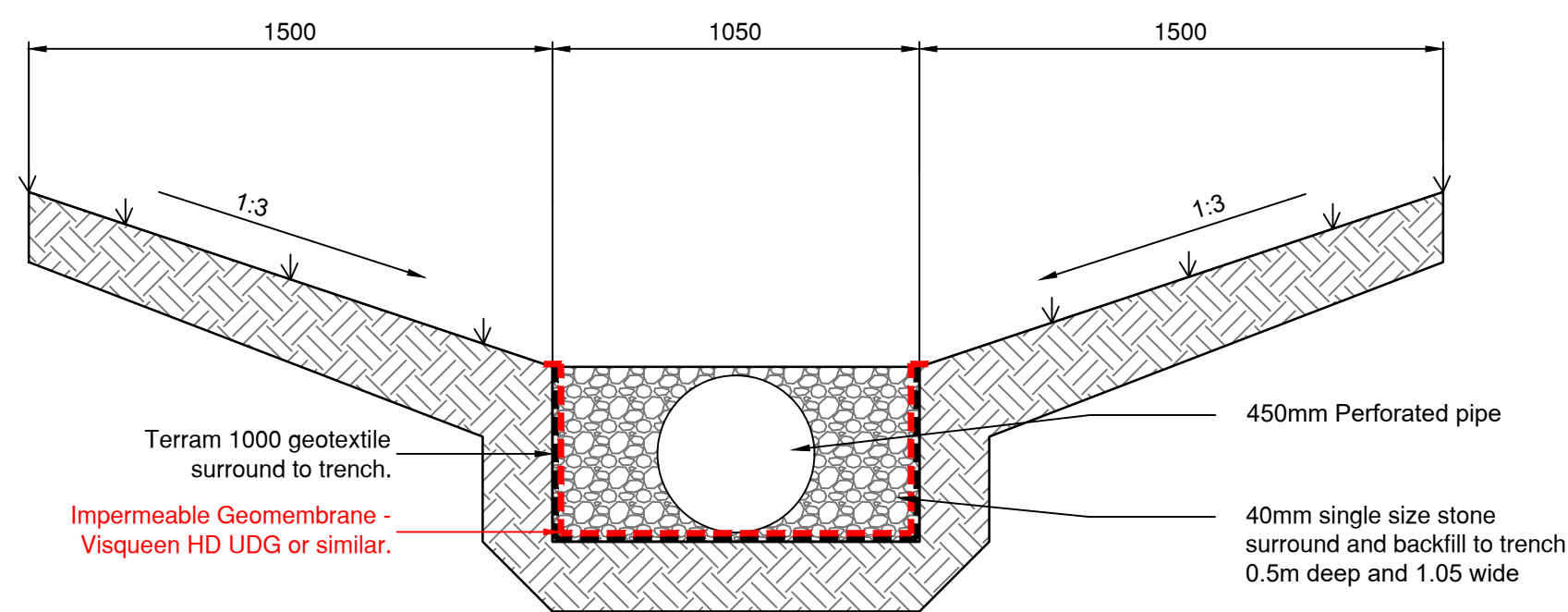
- domestic gardens and pathways without any possibility of vehicular access, 0.35m;
- domestic driveways, parking areas and yards with height restrictions to prevent entry by vehicles with a gross weight in excess of 7.5 tonnes, 0.5m;
- domestic driveways, parking areas and narrow streets without footways (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.

In accordance with NHBC 10.2.9, Garden areas should have:

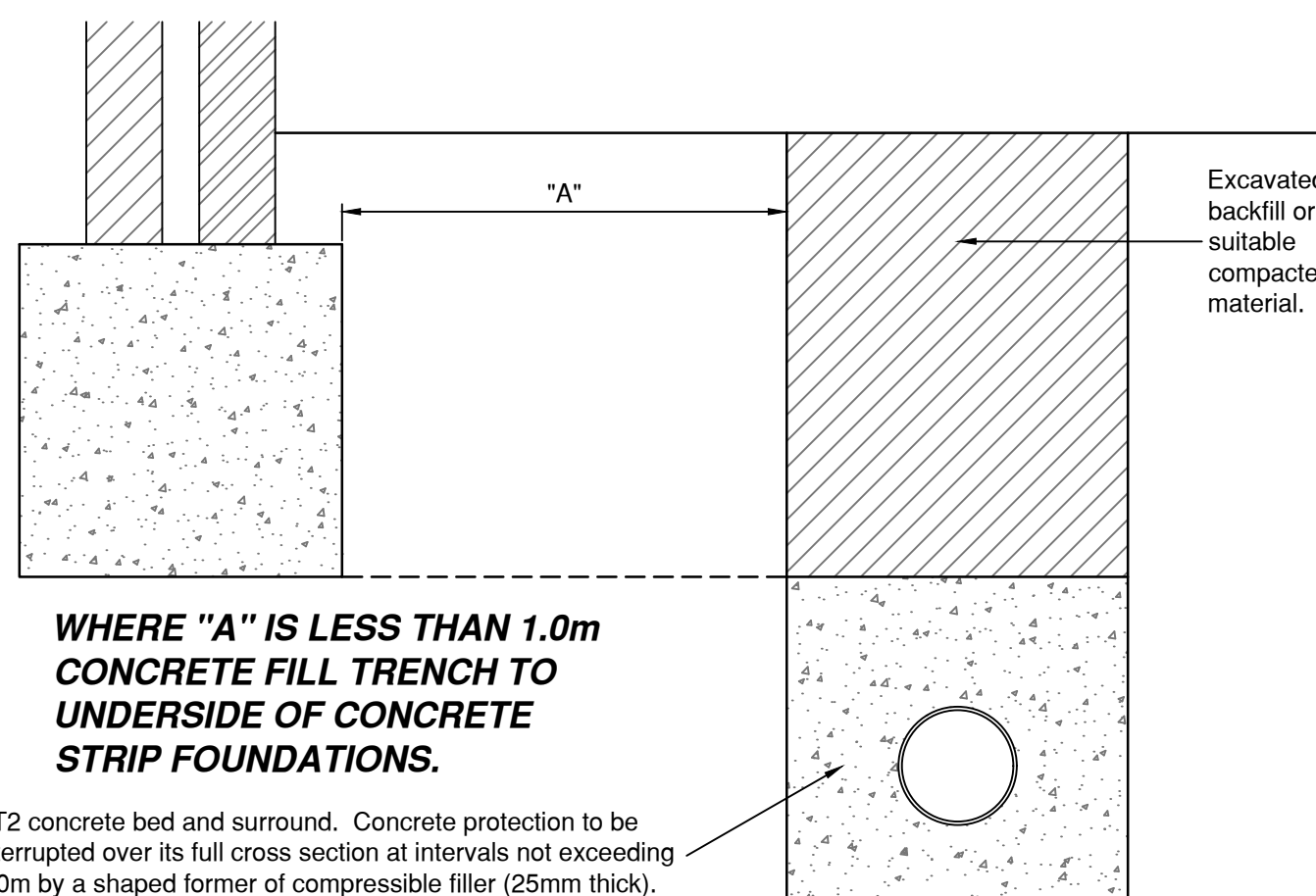
- Old foundations, concrete bases and similar obstructions within 300mm of the finished ground surface removed.
- Appropriate action, such as rotavating, undertaken to restore the drainage characteristics of soil that has been compacted during construction.
- Ground disturbed during construction re-graded 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 from 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)

**Swale with Filter Drain Typical Detail**

(Not to Scale)

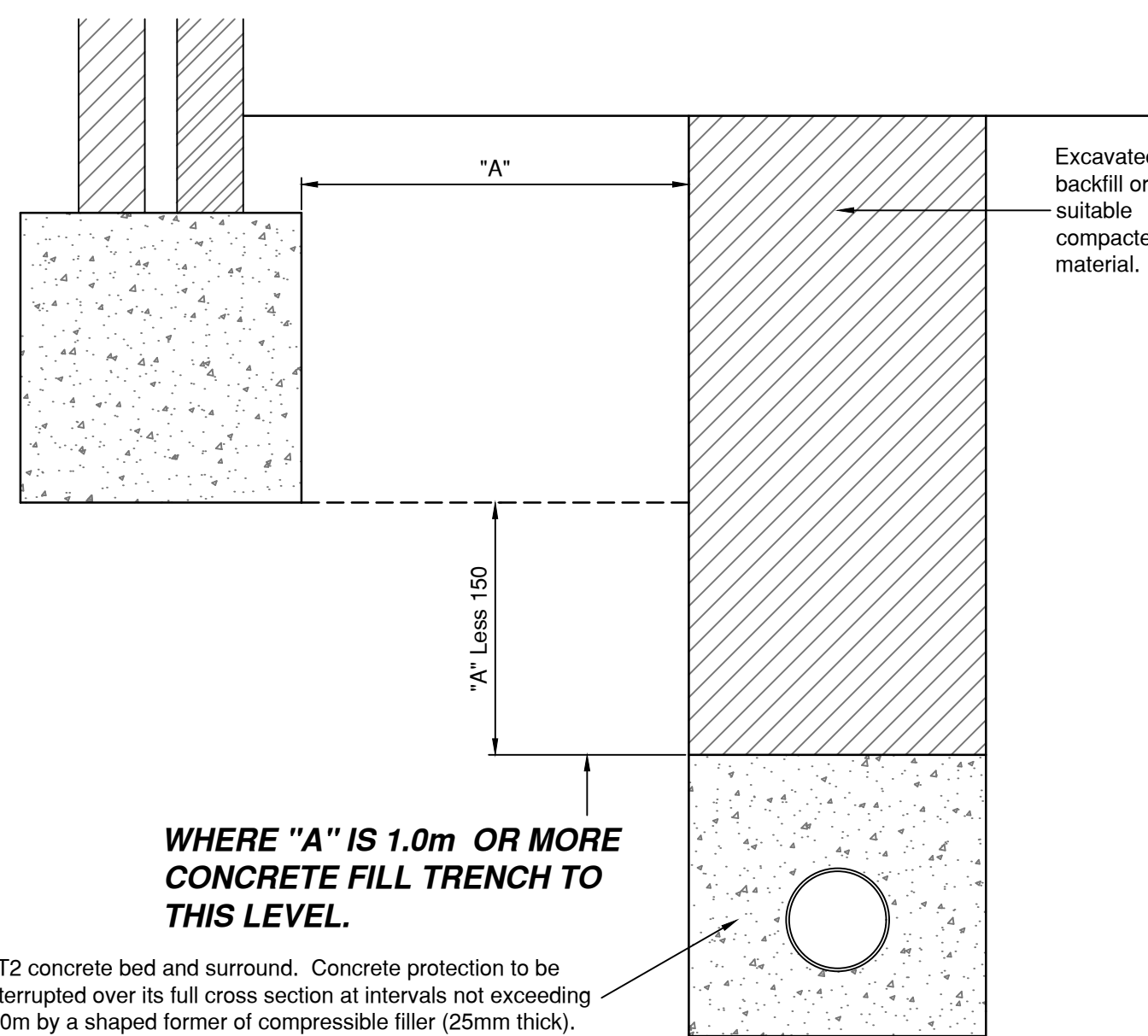


**WHERE "A" IS LESS THAN 1.0m
CONCRETE FILL TRENCH TO
UNDERSIDE OF CONCRETE
STRIP FOUNDATIONS.**

ST2 concrete bed and surround. Concrete protection to be interrupted over its full cross section at intervals not exceeding 6.0m by a shaped former of compressible filler (25mm thick). These interruptions to coincide with pipe joints.

Pipe Runs Near Buildings

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



**WHERE "A" IS 1.0m OR MORE
CONCRETE FILL TRENCH TO
THIS LEVEL.**

ST2 concrete bed and surround. Concrete protection to be interrupted over its full cross section at intervals not exceeding 6.0m by a shaped former of compressible filler (25mm thick). These interruptions to coincide with pipe joints.

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

-	-	Original Issue
Rev.	Date	Amendments



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Drawing Status	FOR TENDER
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Client	Foreman Homes Ltd
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Project	Land West of Church Lane & Horsemere Green Lane, Climping
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Drawing Title	Domestic Drainage Details
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Scale at A1	Date	Drawn By	Checked By	Project No.
	Jul 25	JHL	LDF	D2385

Drawing Code	Drawing No.	Rev.
000-BPC-WD-ZZ-D-C	D474	-